

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
FILING UNDER 37 C.F.R. 1.53(b)**

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Assistant Commissioner for Patents
Washington, DC 20231

Express Mail Label No. EL443984135US
Date of Deposit March 22, 2000



Sir:

This is a request for filing a **continuation-in-part** application under 37 C.F.R.
1.53(b) of

Applicant(s): Berka *et al.*

Title: Methods For Monitoring Multiple Gene Expression

370 pages of specification 0 sheets of formal drawings 2803 pages of Sequence Listing
3 sheets of Declaration and Power of Attorney

[x] The filing fee is calculated as follows:

Basic Fee:	\$690.00
Total Claims: 20 - 20 = 0 x 18 =	\$0
Independent Claims: 3 - 3 = 0 x 78 =	\$0
Total Fee:	\$690.00

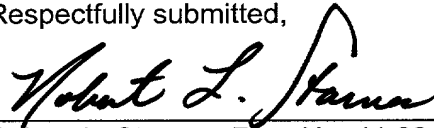
This application is a continuation-in-part of application no. 09/273,623 filed on March 22, 1999 and claims priority under 35 U.S.C. 119, the contents of which are fully incorporated herein by reference.

Address all future communications to Steve T. Zelson, Esq., Novo Nordisk of North America, Inc., 405 Lexington Avenue, Suite 6400, New York, NY 10174-6401.

Please charge the required fee, estimated to be \$690, to Novo Nordisk of North America, Inc., Deposit Account No. 14-1447. A duplicate of this sheet is enclosed.

Date: March 22, 2000

Respectfully submitted,


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03-24-00

A

Attorney Docket No.: 5849.200-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL CERTIFICATE

Box Patent Application
Assistant Commissioner for Patents
Washington, DC 20231

Re: U.S. Patent Application for
"Methods For Monitoring Multiple Gene Expression"
Applicants: Berka *et al.*

03/22/00
09/533559
PTO

Sir:

Express Mail Label No.: EL443984135US

Date of Deposit: March 22, 2000

I hereby certify that the following attached paper(s) or fee

1. Filing Under 37 C.F.R. 1.53(b) (in duplicate)
2. Patent Application
3. Executed Combined Declaration and Power of Attorney
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9. Verified Statement
10. Information Disclosure Statement Transmittal (in duplicate)
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are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, DC 20231.

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(Name of person mailing papers or fees)

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(Signature of person mailing papers or fees)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Berka *et al.*

Serial No.: To be assigned

Group Art Unit: To be assigned

Filed: March 22, 2000

Examiner: To be assigned

For: Methods For Monitoring Multiple Gene Expression

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Before the above-captioned application is taken up for examination, entry of the following amendment is respectfully requested:

IN THE CLAIMS:

Please cancel claims 6-10, 14-18, 21-25, 29-33, 35-39, 43-61, 63, and 66-89 without prejudice or disclaimer.

Please amend claim 34 as follows:

At line 1, delete "any of claims 1-33" and insert --claim 1--.

Please amend claim 40 as follows:

At line 1, delete "any of claims 1-39" and insert --claim 1--.

Please amend claim 13 as follows:

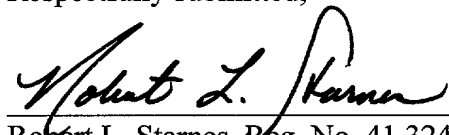
At line 1, delete "any of claims 41-61" and insert --claim 41--.

REMARKS

This amendment is submitted to cancel claims and correct improper multiple dependent claims. Since only claims are cancelled and dependencies are altered, there is no new matter added, and entry of the amendment is respectfully requested.

Respectfully submitted,

Date: March 22, 2000



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METHODS FOR MONITORING MULTIPLE GENE EXPRESSION

5

Cross-Reference to Related Application

This application is a continuation-in-part of pending U.S. application Serial No. 09/273,623 filed March 22, 1999, which application is fully incorporated herein by reference.

10

Background of the Invention

Field of the Invention

The present invention relates to methods for monitoring expression of a plurality of genes in filamentous fungal cells. The present invention also relates to expressed sequenced tags and to substrates and computer readable media containing such expressed sequenced tags for monitoring expression of a plurality of genes in filamentous fungal cells.

Description of the Related Art

Microarray technology is increasingly becoming the method of choice for the quantitative and simultaneous analysis of the expression levels of many thousands of genes. Microarray analyses typically follow the steps of gene selection, microarray synthesis, sample preparation, array hybridization, detection, and data analysis (Watson *et al.*, 1998, *Current Opinion in Biotechnology* 9: 609-614).

PCR-amplified coding sequences of genomic DNA are particularly useful in microarrays for obtaining global expression profiles where the genome of the organism has been fully sequenced.

Chu *et al.*, 1998, *Science* 282: 699-705 disclose the use of microarrays containing PCR-amplified genomic coding sequences for determining the temporal expression of *Saccharomyces cerevisiae* genes during sporulation.

For other organisms whose genomes have not been sequenced, global expression profiles may be obtained with arraying (1) random genomic DNA segments or clones (*e.g.*, from a genomic DNA library); (2) random cDNA clones (*e.g.*, from one or more cDNA

libraries) that are uncharacterized at the DNA sequence level; or (3) EST clones that have been sequenced and partially characterized with respect to putative identification and function.

However, there are disadvantages with using random genomic or cDNA clones from organisms whose genomes have not been fully sequenced. These disadvantages include (1) more than one gene may be represented on a single clone; (2) no gene(s) may be encoded on a single clone; (3) extensive characterization and DNA sequencing is required to follow-up array spots that appear interesting; and (4) duplicity, multiplicity, and reduncancy add to the follow-up work.

Expressed sequenced tags (ESTs) are partial cDNA sequences of expressed genes. Simply stated, an EST is a segment of a sequence from a cDNA clone that corresponds to the mRNA of a specific gene. The use of sequenced ESTs in microarrays compared to genomic clones or random cDNA clones provides several advantages especially for organisms whose genomes have not been sequenced. First, one spot on an array equals one gene or open reading frame, so redundancy is eliminated. Second, since sequence information is available so that redundancy and follow-up characterization is minimized. Third, EST microarrays can be organized based on function of the gene products to facilitate analysis of the results (e.g., ESTs encoding enzymes from the same metabolic pathway can be arranged or grouped accordingly).

Ruan *et al.*, 1998, *The Plant Journal* 15: 821-833, disclose the use of microarrays containing *Arabidopsis thaliana* EST sequences for determining the temporal expression of *Arabidopsis thaliana* genes in root, leaf, and two stages of floral development.

Iyer *et al.*, 1999, *Science* 283; 83-87, disclose the use of microarrays containing human EST sequences for determining the temporal expression of human fibroblast cells in response to serum.

Hayward *et al.*, 2000, *Molecular Microbiology* 35: 6-14, disclose shotgun DNA microarrays and stage-specific gene expression in *Plasmodium falciparum* malaria.

Filamentous fungi are increasingly being used as host microorganisms for the industrial production of enzymes and other proteins whether endogenous or heterogenous to the microorganisms. There is a need in the art to provide methods for monitoring the global expression of genes from filamentous fungal cells to improve the production potential of these microorganisms.

It is an object of the present invention to provide alternative methods for monitoring expression of a plurality of genes in filamentous fungal cells.

Summary of the Invention

5

The present invention relates to methods for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells, comprising:

10 (a) adding a mixture of fluorescence-labeled nucleic acids isolated from the filamentous fungal cells to a substrate containing an array of filamentous fungal ESTs under conditions where the nucleic acids hybridize to complementary sequences of the ESTs in the array, wherein the nucleic acids from the first filamentous fungal cell and the one or more second filamentous fungal cells are labeled with a first fluorescent reporter and one or more different second fluorescent reporters, respectively; and

15 (b) examining the array by fluorescence under fluorescence excitation conditions wherein the relative expression of the genes in the filamentous fungal cells is determined by the observed fluorescence emission color of each spot in the array in which (i) the ESTs in the array that hybridize to the nucleic acids obtained from either the first or the one or more second filamentous fungal cells produce a distinct first fluorescence emission color or one or more second fluorescence emission colors, respectively, and (ii) the ESTs in the array that hybridize to the nucleic acids obtained from both the first and one or more second filamentous fungal cells produce a distinct combined fluorescence emission color. In a preferred embodiment, the filamentous fungal ESTs are selected from the group consisting of SEQ ID NOs. 1-7860, nucleic acid fragments of SEQ ID NOs. 1-7860, and nucleic acid
20 sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to the sequences of SEQ ID NOs. 1-7860.

25

The present invention further relates to isolated ESTs obtained from *Fusarium venenatum* (SEQ ID NOs. 1-3770), *Aspergillus niger* (SEQ ID NOs. 3771-4376), *Aspergillus oryzae* (SEQ ID NOs. 4377-7401), and *Trichoderma reesei* (SEQ ID NOs. 7402-7860).

30

The present invention also relates to computer readable media and substrates containing an array of such filamentous fungal ESTs for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes

in one or more second filamentous fungal cells.

Detailed Description of the Invention

5 The present invention relates to methods for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells. The methods comprise (a) adding a mixture of fluorescence-labeled nucleic acids isolated from the two or more filamentous fungal cells with different fluorescent reporters for each cell's nucleic acids to a substrate containing an
10 array of filamentous fungal ESTs under conditions where the nucleic acids hybridize to complementary sequences of the ESTs in the array; and (b) examining the array by fluorescence under fluorescence excitation conditions wherein the relative expression of the genes in the two or more cells is determined by the observed fluorescence emission color of each spot in the array.

15 The methods of the present invention may be used to monitor global expression of a plurality of genes from a filamentous fungal cell, discover new genes, identify possible functions of unknown open reading frames, and monitor gene copy number variation and stability. For example, the global view of changes in expression of genes may be used to provide a picture of the way in which filamentous fungal cells adapt to changes in culture
20 conditions, environmental stress, or other physiological provocation. Other possibilities for monitoring global expression include spore morphogenesis, recombination, metabolic or catabolic pathway engineering.

25 The methods of the present invention are particularly advantageous because one spot on an array equals one gene or open reading frame; extensive follow-up characterization is unnecessary since sequence information is available, and EST microarrays can be organized based on function of the gene products.

Expressed Sequenced Tags

30 The term "expressed sequenced tag" or "EST" is defined herein as a segment of a sequence from a cDNA clone of an expressed filamentous fungal gene. The term "EST" will be understood to also include two or more ESTs assembled into a contig. In the methods of the present invention, the filamentous fungal ESTs described herein preferably represent a

plurality of genes present in the two or more filamentous fungal cells to be evaluated.

ESTs are generally generated as follows: Total polyadenylated mRNA is isolated from a filamentous fungal cell and reverse transcribed into total cDNA. The total cDNA is digested with a restriction endonuclease, size-selected by agarose gel electrophoresis, isolated, and ligated into a vector, *e.g.*, pZErO-2.1. The ligation mixture is transformed into competent *E. coli* cells and transformants are selected under selective pressure, *e.g.*, kanamycin selection. The cDNA libraries isolated from the selected transformants are amplified, isolated, and partially sequenced. The partial sequences are then compared to sequences in various publicly available databases for identification.

Any method known in the art may be used for generating ESTs (see, for example, Adams *et al.*, 1991, *Science* 252: 1651-1656; Fields, 1996, *Tibtech* 14: 286-289; Weinstock *et al.*, 1994, *Current Opinion in Biotechnology* 5: 599-603; Matsubara and Okubo, 1993, *Current Opinions in Biotechnology* 4: 672-677; Nelson *et al.*, 1997, *Fungal Genet. Biol.* 21: 348-363; Roe *et al.*, <http://www.genome.ou.edu/fungal.html>).

In the methods of the present invention, the filamentous fungal ESTs are preferably at least about 50 bp in length, more preferably at least about 100 bp in length, even more preferably at least about 150 bp in length, and most preferably at least about 200 bp in length. Furthermore, the ESTs are preferably directional ESTs. However, nondirectional ESTs may also be used. A "directional EST" is defined as a cDNA cloned in the same orientation relative to the vector cloning sites, *e.g.*, 5'→3' or 3'→5'.

The filamentous fungal ESTs may be obtained from any filamentous fungal cell but preferably from an *Acremonium*, *Aspergillus*, *Fusarium*, *Humicola*, *Mucor*, *Myceliophthora*, *Neurospora*, *Penicillium*, *Thielavia*, *Tolypocladium*, or *Trichoderma* cell, and more preferably from an *Aspergillus aculeatus*, *Aspergillus awamori*, *Aspergillus foetidus*, *Aspergillus japonicus*, *Aspergillus nidulans*, *Aspergillus niger*, *Aspergillus oryzae*, *Fusarium bactridioides*, *Fusarium cerealis*, *Fusarium crookwellense*, *Fusarium culmorum*, *Fusarium graminearum*, *Fusarium graminum*, *Fusarium heterosporum*, *Fusarium negundi*, *Fusarium oxysporum*, *Fusarium reticulatum*, *Fusarium roseum*, *Fusarium sambucinum*, *Fusarium sarcochroum*, *Fusarium sporotrichioides*, *Fusarium sulphureum*, *Fusarium torulosum*, *Fusarium trichothecioides*, *Fusarium venenatum*, *Humicola insolens*, *Humicola lanuginosa*, *Mucor miehei*, *Myceliophthora thermophila*, *Neurospora crassa*, *Penicillium purpurogenum*, *Thielavia terrestris*, *Trichoderma harzianum*, *Trichoderma koningii*, *Trichoderma*

longibrachiatum, *Trichoderma reesei*, or *Trichoderma viride* cell.

In a preferred embodiment, the ESTs are obtained from *Fusarium venenatum*. In a more preferred embodiment, the ESTs are obtained from *Fusarium venenatum* A3/5, which was originally deposited as *Fusarium graminearum* ATCC 20334 and recently reclassified as *Fusarium venenatum* by Yoder and Christianson, 1998, *Fungal Genetics and Biology* 23: 62-80 and O'Donnell *et al.*, 1998, *Fungal Genetics and Biology* 23: 57-67; as well as taxonomic equivalents of *Fusarium venenatum* regardless of the species name by which they are currently known. In another more preferred embodiment, the *Fusarium venenatum* cell is a morphological mutant of *Fusarium venenatum* A3/5 or *Fusarium venenatum* ATCC 20334, as disclosed in WO 97/26330. In a most preferred embodiment, the *Fusarium venenatum* ESTs are selected from the group consisting of SEQ ID NOs. 1-3770, nucleic acid fragments of SEQ ID NOs. 1-3770, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 1-3770.

In another preferred embodiment, the ESTs are obtained from *Aspergillus niger*. In another more preferred embodiment, the *Aspergillus niger* ESTs are selected from the group consisting of SEQ ID NOs. 3771-4376, nucleic acid fragments of SEQ ID NOs. 3771-4376, and nucleotide sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 3771-4376.

In another preferred embodiment, the ESTs are obtained from *Aspergillus oryzae*. In another more preferred embodiment, the ESTs are obtained from *Aspergillus oryzae* strain IFO 4177. In another most preferred embodiment, the *Aspergillus oryzae* ESTs are selected from the group consisting of SEQ ID NOs. 4377-7401, nucleic acid fragments of SEQ ID NOs. 4377-7401, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to the sequences of SEQ ID NOs. 4377-7401.

In another preferred embodiment, the ESTs are obtained from *Trichoderma reesei*. In another more preferred embodiment, the ESTs are obtained from *Trichoderma reesei* strain RutC-30 (Montenecourt and Eveleigh, 1979, *Adv. Chem. Ser.* 181: 289-301). In another most preferred embodiment, the *Trichoderma reesei* ESTs are selected from the group consisting of SEQ ID NOs. 7402-7860, nucleic acid fragments of SEQ ID NOs. 7402-7860, or nucleic acid sequences having at least 95%, preferably at least 99% and most preferably at least

99.9% homology to a sequence of SEQ ID NOs. 7402-7860.

For purposes of the present invention, the degree of homology between two nucleic acid sequences is determined by the Wilbur-Lipman method (Wilbur and Lipman, 1983, *Proceedings of the National Academy of Science USA* 80: 726-730) using the LASERGENE™ MEGALIGN™ software (DNASTAR, Inc., Madison, WI) with an identity table and the following multiple alignment parameters: Gap penalty of 10 and gap length penalty of 10. Pairwise alignment parameters are Ktuple=3, gap penalty=3, and windows=20.

Microarrays

The term "an array of ESTs" is defined herein as a linear or two-dimensional array of preferably discrete elements of ESTs, each having a finite area, formed on the surface of a solid support.

The term "microarray" is defined herein as an array of EST elements having a density of discrete EST elements of at least about 100/cm², and preferably at least about 1000/cm². The EST elements in a microarray have typical dimensions, e.g., diameters, in the range of between about 10 to about 250 μm, preferably in the range of between about 10 to about 200 μm, more preferably in the range of between about 20 to about 150 μm, even more preferably in the range of between about 20 to about 100 μm, most preferably in the range of between about 20 to about 75 μm, and even most preferably in the range of between about 25 to about 50 μm, and are separated from other EST elements in the microarray by about the same distance.

Methods and instruments for forming microarrays on the surface of a solid support are well known in the art. See, for example, U.S. Patent No. 5,807,522; U.S. Patent No. 5,700,637; and U.S. Patent No. 5,770,151. The instrument may be an automated device such as described in U.S. Patent No. 5,807,522.

The term "a substrate containing an array of ESTs" is defined herein as a solid support having deposited on the surface of the support one or more of a plurality of ESTs for use in detecting binding of labeled cDNAs to the ESTs.

The substrate may, in one aspect, be a glass support (e.g., glass slide) having a hydrophilic or hydrophobic coating on the surface of the support, and an array of distinct ESTs electrostatically bound non-covalently to the coating, where each distinct EST is disposed at a separate, defined position.

Each microarray in the substrate preferably contains at least 10^3 distinct ESTs in a surface area of less than about 1 cm^2 . Each distinct EST (i) is disposed at a separate, defined position in the array, (ii) has a length of at least 50 bp, and (iii) is present in a defined amount between about 0.1 femtomoles and 100 nanomoles or higher if necessary.

5 For a hydrophilic coating, the glass slide is coated by placing a film of a polycationic polymer with a uniform thickness on the surface of the slide and drying the film to form a dried coating. The amount of polycationic polymer added should be sufficient to form at least a monolayer of polymers on the glass surface. The polymer film is bound to the surface via electrostatic binding between negative silyl-OH groups on the surface and charged
10 cationic groups in the polymers. Such polycationic polymers include, but are not limited to, polylysine and polyarginine.

Another coating strategy employs reactive aldehydes to couple DNA to the slides (Schena *et al.*, 1996, *Proceedings of the National Academy of Science USA* 93: 10614-10619; Heller *et al.*, 1997, *Proceedings of the National Academy of Science USA* 94: 2150-2155).

15 Alternatively, the surface may have a relatively hydrophobic character, *i.e.*, one that causes aqueous medium deposited on the surface to bead. A variety of known hydrophobic polymers, such as polystyrene, polypropylene, or polyethylene, have desirable hydrophobic properties, as do glass and a variety of lubricant or other hydrophobic films that may be applied to the support surface. A support surface is "hydrophobic" if an aqueous droplet
20 applied to the surface does not spread out substantially beyond the area size of the applied droplet, wherein the surface acts to prevent spreading of the droplet applied to the surface by hydrophobic interaction with the droplet.

In another aspect, the substrate may be a multi-cell substrate where each cell contains a microarray of ESTs, and preferably an identical microarray, formed on a porous surface.
25 For example, a 96-cell array may typically have array dimensions between about 12 and 244 mm in width and 8 and 400 mm in length, with the cells in the array having width and length dimension of $1/12$ and $1/8$ the array width and length dimensions, respectively, *i.e.*, between about 1 and 20 in width and 1 and 50 mm in length.

30 The solid support may include a water-impermeable backing such as a glass slide or rigid polymer sheet, or other non-porous material. Formed on the surface of the backing is a water-permeable film which is formed of porous material. Such porous materials include, but are not limited to, nitrocellulose membrane nylon, polypropylene, and PVDF polymer. The

thickness of the film is preferably between about 10 and 1000 μm . The film may be applied to the backing by spraying or coating, or by applying a preformed membrane to the backing.

The film surface may be partitioned into a desirable array of cells by water-impermeable grid lines typically at a distance of about 100 to 2000 μm above the film surface. The grid lines can be formed on the surface of the film by laying down an uncured flowable resin or elastomer solution in an array grid, allowing the material to infiltrate the porous film down to the backing, and then curing the grid lines to form the cell-array substrate.

The barrier material of the grid lines may be a flowable silicone, wax-based material, thermoset material (*e.g.*, epoxy), or any other useful material. The grid lines may be applied to the solid support using a narrow syringe, printing techniques, heat-seal stamping, or any other useful method known in the art.

Each well preferably contains a microarray of distinct ESTs. "Distinct ESTs" as applied to the ESTs forming a microarray is defined herein as an array member which is distinct from other array members on the basis of a different EST sequence, and/or different concentrations of the same or distinct ESTs, and/or different mixtures of distinct ESTs or different-concentrations of ESTs. Thus an array of "distinct ESTs" may be an array containing, as its members, (i) distinct ESTs, which may have a defined amount in each member, (ii) different, graded concentrations of given-sequence ESTs, and/or (iii) different-composition mixtures of two or more distinct ESTs.

However, any type of substrate known in the art may be used in the methods of the present invention.

The delivery of a known amount of a selected EST to a specific position on the support surface is preferably performed with a dispensing device equipped with one or more tips for insuring reproducible deposition and location of the ESTs and for preparing multiple arrays. Any dispensing device known in the art may be used in the methods of the present invention. See, for example, U.S. Patent No. 5,807,522. The dispensing device preferably contains a plurality of tips.

For liquid-dispensing on a hydrophilic surface, the liquid will have less of a tendency to bead, and the dispensed volume will be more sensitive to the total dwell time of the dispenser tip in the immediate vicinity of the support surface.

For liquid-dispensing on a hydrophobic surface, flow of fluid from the tip onto the

support surface will continue from the dispenser onto the support surface until it forms a liquid bead. At a given bead size, *i.e.*, volume, the tendency of liquid to flow onto the surface will be balanced by the hydrophobic surface interaction of the bead with the support surface, which acts to limit the total bead area on the surface, and by the surface tension of the droplet, which tends toward a given bead curvature. At this point, a given bead volume will have formed, and continued contact of the dispenser tip with the bead, as the dispenser tip is being withdrawn, will have little or no effect on bead volume.

The desired deposition volume, *i.e.*, bead volume, formed is preferably in the range 2 pl (picoliters) to 2 nl (nanoliters), although volumes as high as 100 nl or more may be dispensed. It will be appreciated that the selected dispensed volume will depend on (i) the "footprint" of the dispenser tip(s), *i.e.*, the size of the area spanned by the tip(s), (ii) the hydrophobicity of the support surface, and (iii) the time of contact with and rate of withdrawal of the tip(s) from the support surface. In addition, bead size may be reduced by increasing the viscosity of the medium, effectively reducing the flow time of liquid from the dispensing device onto the support surface. The drop size may be further constrained by depositing the drop in a hydrophilic region surrounded by a hydrophobic grid pattern on the support surface.

At a given tip size, bead volume can be reduced in a controlled fashion by increasing surface hydrophobicity, reducing time of contact of the tip with the surface, increasing rate of movement of the tip away from the surface, and/or increasing the viscosity of the medium. Once these parameters are fixed, a selected deposition volume in the desired pl to nl range can be achieved in a repeatable fashion.

After depositing a liquid droplet of an EST sample at one selected location on a support, the tip may be moved to a corresponding position on a second support, the EST sample is deposited at that position, and this process is repeated until the EST sample has been deposited at a selected position on a plurality of supports.

This deposition process may then be repeated with another EST sample at another microarray position on each of the supports.

The diameter of each EST region is preferably between about 20-200 μm . The spacing between each region and its closest (non-diagonal) neighbor, measured from center-to-center, is preferably in the range of about 20-400 μm . Thus, for example, an array having a center-to-center spacing of about 250 μm contains about 40 regions/ cm^2 or 1,600

regions/cm². After formation of the array, the support is treated to evaporate the liquid of the droplet forming each region, to leave a desired array of dried, relatively flat EST regions. This drying may be done by heating or under vacuum.

5 Filamentous Fungal Cells

In the methods of the present invention, the two or more filamentous fungal cells may be any filamentous fungal cell where one of the cells is used as a reference for identifying differences in expression of the same or similar complement of genes in the other cell. In one aspect, the two or more cells are the same cell. For example, they may be compared under different growth conditions, *e.g.*, oxygen limitation, nutrition, and/or physiology. In another aspect, one or more cells are mutants of the reference cell. For example, the mutant(s) may have a different phenotype. In a further aspect, the two or more cells are of different species (*e.g.*, *Aspergillus oryzae* and *Aspergillus sojae*). In another further aspect, the two or more cells are of different genera. In an even further aspect, one or more cells are transformants of the reference cell, wherein the one or more transformants exhibit a different property. For example, the transformants may have an improved phenotype relative to the reference cell and/or one of the other transformants. The term "phenotype" is defined herein as an observable or outward characteristic of a cell determined by its genotype and modulated by its environment. Such improved phenotypes may include, but are not limited to, improved secretion or production of a protein or compound, reduced or no secretion or production of a protein or compound, improved or reduced expression of a gene, desirable morphology, an altered growth rate under desired conditions, relief of over-expression mediated growth inhibition, or tolerance to low oxygen conditions.

The filamentous fungal cells may be any filamentous fungal cells, but preferably *Acremonium*, *Aspergillus*, *Fusarium*, *Humicola*, *Mucor*, *Myceliophthora*, *Neurospora*, *Penicillium*, *Thielavia*, *Tolypocladium*, or *Trichoderma* cells, and more preferably *Aspergillus aculeatus*, *Aspergillus awamori*, *Aspergillus foetidus*, *Aspergillus japonicus*, *Aspergillus nidulans*, *Aspergillus niger*, *Aspergillus oryzae*, *Fusarium bac-tridioides*, *Fusarium cerealis*, *Fusarium crookwellense*, *Fusarium culmorum*, *Fusarium graminearum*, *Fusarium graminum*, *Fusarium heterosporum*, *Fusarium negundi*, *Fusarium oxysporum*, *Fusarium reticulatum*, *Fusarium roseum*, *Fusarium sambucinum*, *Fusarium sarcochroum*, *Fusarium sporotrichioides*, *Fusarium sulphureum*, *Fusarium torulosum*, *Fusarium*

trichothecioides, *Fusarium venenatum*, *Humicola insolens*, *Humicola lanuginosa*, *Mucor miehei*, *Myceliophthora thermophila*, *Neurospora crassa*, *Penicillium purpurogenum*, *Thielavia terrestris*, *Trichoderma harzianum*, *Trichoderma koningii*, *Trichoderma longibrachiatum*, *Trichoderma reesei*, or *Trichoderma viride* cells.

5 In a preferred embodiment, the filamentous fungal cells are *Fusarium* or *Aspergillus* cells. In a more preferred embodiment, the *Fusarium* cells are *Fusarium venenatum* cells. In another more preferred embodiment, the *Aspergillus* cells are *Aspergillus niger* cells. In another more preferred embodiment, the *Aspergillus* cells are *Aspergillus oryzae* cells.

10 In a most preferred embodiment, the *Fusarium venenatum* cells are *Fusarium venenatum* A3/5 cells as described herein. In another most preferred embodiment, the *Fusarium venenatum* cells are morphological mutants of *Fusarium venenatum* A3/5 as described herein. In another most preferred embodiment, the *Aspergillus oryzae* cells are *Aspergillus oryzae* strain IFO 4177 cells.

15 In the methods of the present invention, the cells are cultivated in a nutrient medium suitable for growth using methods well known in the art for isolation of the nucleic acids to be used as probes. For example, the cells may be cultivated by shake flask cultivation, small-scale or large-scale fermentation (including continuous, batch, fed-batch, or solid state fermentations) in laboratory or industrial fermentors performed in a suitable medium. The cultivation takes place in a suitable nutrient medium comprising carbon and nitrogen sources and inorganic salts, using procedures known in the art. Suitable media are available from commercial suppliers or may be prepared according to published compositions (e.g., in catalogues of the American Type Culture Collection).

Nucleic Acid Probes

25 The nucleic acid probes from the two or more filamentous fungal cells may be any nucleic acid including genomic DNA, cDNA, and RNA, and may be isolated using standard methods known in the art. For example, cDNA probes may be obtained from the total polyadenylated mRNA isolated from the cells using standard methods and reverse transcribed into total cDNA.

30 The populations of isolated nucleic acid probes may be labeled with colorimetric, radioactive, fluorescent reporters, or other reporters using methods known in the art (Chen *et al.*, 1998, *Genomics* 51: 313-324; DeRisi *et al.*, 1997, *Science* 278: 680-686; U.S. Patent No.

5,770,367).

In a preferred embodiment, the probes are labeled with fluorescent reporters. For example, cDNA probes may be labeled during reverse transcription from the respective mRNA pools by incorporation of fluorophores as dye-labeled nucleotides (DeRisi *et al.*, 1997, *supra*), e.g., Cy5-labeled deoxyuridine triphosphate, or the isolated cDNAs may be directly labeled with different fluorescent functional groups. Fluorescent-labeled nucleotides include, but are not limited to, fluorescein conjugated nucleotide analogs (green fluorescence), lissamine nucleotide analogs (red fluorescence). Fluorescent functional groups include, but are not limited to, Cy3 (a green fluorescent dye) and Cy5 (red fluorescent dye).

Array Hybridization

The labeled nucleic acids from the two or more filamentous fungal cells are then added to a substrate containing an array of ESTs under conditions where the nucleic acid pools from the two or more filamentous fungal cells hybridize to complementary sequences of the ESTs in the array. For purposes of the present invention, hybridization indicates that the labeled nucleic acids from the two or more cells hybridize to the ESTs under very low to very high stringency conditions.

A small volume of the labeled nucleic acids mixture is loaded onto the substrate. The solution will spread to cover the entire microarray. In the case of a multi-cell substrate, one or more solutions are loaded into each cell which stop at the barrier elements.

For nucleic acid probes of at least about 100 nucleotides in length, very low to very high stringency conditions are defined as prehybridization and hybridization at 42°C in 5X SSPE, 0.3% SDS, 200 µg/ml sheared and denatured salmon sperm DNA, and either 25% formamide for very low and low stringencies, 35% formamide for medium and medium-high stringencies, or 50% formamide for high and very high stringencies, following standard Southern blotting procedures.

For nucleic acid probes of at least about 100 nucleotides in length, the carrier material is finally washed three times each for 15 minutes using 2 x SSC, 0.2% SDS preferably at least at 45°C (very low stringency), more preferably at least at 50°C (low stringency), more preferably at least at 55°C (medium stringency), more preferably at least at 60°C (medium-high stringency), even more preferably at least at 65°C (high stringency), and most preferably at least at 70°C (very high stringency).

For shorter nucleic acid probes which are about 50 nucleotides to about 100 nucleotides in length, stringency conditions are defined as prehybridization, hybridization, and washing post-hybridization at 5°C to 10°C below the calculated T_m using the calculation according to Bolton and McCarthy (1962, *Proceedings of the National Academy of Sciences USA* 48:1390) in 0.9 M NaCl, 0.09 M Tris-HCl pH 7.6, 6 mM EDTA, 0.5% NP-40, 1X Denhardt's solution, 1 mM sodium pyrophosphate, 1 mM sodium monobasic phosphate, 0.1 mM ATP, and 0.2 mg of yeast RNA per ml following standard Southern blotting procedures.

For shorter nucleic acid probes which are about 50 nucleotides to about 100 nucleotides in length, the carrier material is washed once in 6X SCC plus 0.1% SDS for 15 minutes and twice each for 15 minutes using 6X SSC at 5°C to 10°C below the calculated T_m .

The choice of hybridization conditions will depend on the degree of homology between the ESTs and the nucleic acids obtained from the two or more filamentous fungal cells. For example, where the cells are the same cell from which the ESTs were obtained, high stringency conditions may be most suitable. Where the cells are from a genus or species different from which the ESTs were obtained, low or medium stringency conditions may be more suitable.

In a preferred embodiment, the hybridization is conducted under low stringency conditions. In a more preferred embodiment, the hybridization is conducted under medium stringency conditions. In a most preferred embodiment, the hybridization is conducted under high stringency conditions.

The entire solid support is then reacted with detection reagents if needed and analyzed using standard calorimetric, radioactive, or fluorescent detection means. All processing and detection steps are performed simultaneously to all of the microarrays on the solid support ensuring uniform assay conditions for all of the microarrays on the solid support.

Detection

The most common detection method is laser-induced fluorescence detection using confocal optics (Cheung *et al.*, 1998, *Nat. Genet.* 18: 225-230). The array is examined under fluorescence excitation conditions such that (i) the ESTs in the array that hybridize to the nucleic acid probes obtained from one of the first cell and one or more second cells produces a distinct first fluorescence emission color or one or second fluorescence emission colors, respectively, and (ii) ESTs in the array that hybridize to substantially equal numbers of

nucleic acid probes obtained from the first cell and one of the one or more second cells produce a distinct combined fluorescence emission color, respectively; wherein the relative expression of the genes in the two or more cells can be determined by the observed fluorescence emission color of each spot in the array.

5 The fluorescence excitation conditions are based on the selection of the fluorescence reporters. For example, Cy3 and Cy5 reporters are detected with solid state lasers operating at 532 nm and 632 nm, respectively.

Other methods of detection may be used as described herein

10 **Data Analysis**

15 The fluorescence data obtained from the scanned image may then be analyzed using any of the commercially available image analysis software. The software preferably identifies array elements, subtracts backgrounds, deconvolutes multi-color images, flags or removes artifacts, verifies that controls have performed properly, and normalizes the signals (Chen *et al.*, 1997, *Journal of Biomedical Optics* 2: 364-374).

20 Several computational methods have been described for the analysis and interpretation of microarray-based expression profiles including cluster analysis (Eisen *et al.*, 1998, *Proc. Nat. Acad. Sci. USA* 95: 14863-14868), parametric ordering of genes (Spellman *et al.*, 1998, *Mol. Biol. Cell* 9: 3273-3297), and supervised clustering methods based on representative hand-picked or computer-generated expression profiles (Chu *et al.*, 1998, *Science* 282: 699-705).

Computer Readable Media

25 The filamentous fungal ESTs described herein may be "provided" in a variety of mediums to facilitate their use. The term "provided" refers to a manufacture comprising an array of filamentous fungal ESTs. Such manufactures provide a large portion of the genomes of *Fusarium venenatum*, *Aspergillus niger*, *Aspergillus oryzae*, or *Trichoderma reesei* and parts thereof (*e.g.*, an open reading frame (ORF)) in a form which allows one skilled in the art to examine the manufacture using means not directly applicable to examining the genome or
30 a subset thereof as it exists in nature or in purified form.

Thus, the present invention also relates to such a manufacture in the form of a computer readable medium comprising an array of ESTs selected from the group consisting

of SEQ ID NOs. 1-7860, nucleic acid fragments of SEQ ID NOs. 1-7860, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 1-7860.

In a preferred embodiment, the computer readable medium comprises an array of *Fusarium venenatum* ESTs selected from the group consisting of SEQ ID NOs. 1-3770, nucleic acid fragments of SEQ ID NOs. 1-3770, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 1-3770. In a more preferred embodiment, the computer readable medium comprises an array of ESTs selected from the group consisting of SEQ ID NOs. 1-3770.

In another preferred embodiment, the computer readable medium comprises an array of *Aspergillus niger* ESTs selected from the group consisting of SEQ ID NOs. 3771-4376, nucleic acid fragments of SEQ ID NOs. 3771-4376, and nucleotide sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 3771-4376. In another more preferred embodiment, the computer readable medium comprises an array of ESTs selected from the group consisting of SEQ ID NOs. 3771-4376.

In another preferred embodiment, the computer readable medium comprises an array of *Aspergillus oryzae* ESTs selected from the group consisting of SEQ ID NOs. 4377-7401, nucleic acid fragments of SEQ ID NOs. 4377-7401, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to the sequences of SEQ ID NOs. 4377-7401. In another more preferred embodiment, the computer readable medium comprises an array of ESTs selected from the group consisting of SEQ ID NOs. 4377-7401.

In another preferred embodiment, the computer readable medium comprises an array of *Trichoderma reesei* ESTs selected from the group consisting of SEQ ID NOs. 7402-7860, nucleic acid fragments of SEQ ID NOs. 7402-7860, or nucleic acid sequences having at least 95%, preferably at least 99% and most preferably at least 99.9% homology to a sequence of SEQ ID NOs. 7402-7860. In another more preferred embodiment, the computer readable medium comprises an array of *Trichoderma reesei* ESTs selected from the group consisting of SEQ ID NOs. 7402-7860.

In one application of this embodiment, the ESTs of the present invention can be recorded on computer readable media. The term "computer readable media" is defined herein as any medium which can be read and accessed directly by a computer. Such computer readable media include, but are not limited to, magnetic storage media, *e.g.*, floppy discs, hard disc storage medium, and magnetic tape; optical storage media, *e.g.*, CD-ROM, DVD; electrical storage media, *e.g.*, RAM and ROM; and hybrids of these categories, *e.g.*, magnetic/optical storage media. One skilled in the art can readily appreciate how any of the presently known computer readable media can be used to create a manufacture comprising computer readable medium having recorded thereon a nucleotide sequence of the present invention. Likewise, it will be clear to those of skill how additional computer readable media that may be developed also can be used to create analogous manufactures having recorded thereon a nucleotide sequence of the present invention.

As used herein, "recorded" refers to a process for storing information on computer readable medium. One skilled in the art can readily adopt any of the presently known methods for recording information on computer readable medium to generate manufactures comprising the nucleotide sequence information of the present invention.

A variety of data storage structures are available for creating a computer readable medium having recorded thereon a nucleotide sequence of the present invention. The choice of the data storage structure will generally be based on the means chosen to access the stored information. In addition, a variety of data processor programs and formats can be used to store the nucleotide sequence information of the present invention on computer readable medium. The sequence information can be represented in a word processing text file, formatted in commercially-available software such as WordPerfect and Microsoft Word, or represented in the form of an ASCII file, stored in a database application, such as DB2, Sybase, Oracle, or the like. A skilled artisan can readily adapt any number of data-processor structuring formats (*e.g.*, text file or database) in order to obtain computer readable medium having recorded thereon the nucleotide sequence information of the present invention.

Various computer software are publicly available that allow a skilled artisan to access sequence information provided in a computer readable medium. Thus, by providing in computer readable form an array of ESTs selected from the group consisting of SEQ ID NOs. 1-7860, nucleic acid fragments of SEQ ID NOs. 1-7860, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least

99.9% homology to SEQ ID NOs. 1-7860 enables one skilled in the art to routinely access the provided sequence information for a wide variety of purposes.

Software utilizing the BLAST (Altschul *et al.*, 1990, *Journal of Molecular Biology* 215: 403-410) and BLAZE (Brutlag *et al.*, 1993, *Comp. Chem.* 17: 203-207) search algorithms may be used to identify open reading frames (ORFs) within a genome of interest, which contain homology to ORFs or proteins from both *Fusarium venenatum*, *Aspergillus niger*, *Aspergillus oryzae*, or *Trichoderma reesei* and from other organisms. Among the ORFs discussed herein are protein encoding fragments of the *Fusarium venenatum*, *Aspergillus niger*, *Aspergillus oryzae*, and *Trichoderma reesei* genome useful in producing commercially important proteins, such as enzymes used in fermentation reactions and in the production of commercially useful metabolites.

The present invention further provides systems, particularly computer-based systems, which contain the sequence information described herein. Such systems are designed to identify, among other things, genes and gene products - many of which could be products themselves or used to genetically modify an industrial expression host through increased or decreased expression of a specific gene sequence(s).

The term "a computer-based system" is defined here the hardware means, software means, and data storage means used to analyze the nucleotide sequence information of the present invention. The minimum hardware means of the computer-based systems of the present invention comprises a central processing unit (CPU), input means, output means, and data storage means. One skilled in the art can readily appreciate that any currently available computer-based system is suitable for use in the present invention.

As stated above, the computer-based systems of the present invention comprise a data storage means having stored therein a nucleotide sequence of the present invention and the necessary hardware means and software means for supporting and implementing a search means.

The term "data storage means" is defined herein as memory which can store nucleotide sequence information of the present invention, or a memory access means which can access manufactures having recorded thereon the nucleotide sequence information of the present invention.

The term "search means" refers is defined herein as one or more programs which are implemented on the computer-based system to compare a target sequence or target structural

motif with the sequence information stored within the data storage means. Search means are used to identify fragments or regions of the present genomic sequences which match a particular target sequence or target motif. A variety of known algorithms are disclosed publicly and a variety of commercially available software for conducting search means are and can be used in the computer-based systems of the present invention. Examples of such software includes, but is not limited to, MacPattern (Fuchs, 1991, *Comput. Appl. Biosci.* 7: 105-106), BLASTN and BLASTX (NCBI). One skilled in the art can readily recognize that any one of the available algorithms or implementing software packages for conducting homology searches can be adapted for use in the present computer-based systems.

The term "target sequence" is defined here as any DNA or amino acid sequence of six or more nucleotides or two or more amino acids. One skilled in the art can readily recognize that the longer a target sequence is, the less likely a target sequence will be present as a random occurrence in the database. The most preferred sequence length of a target sequence is from about 10 to 100 amino acids or from about 30 to 300 nucleotide residues. However, it is well recognized that searches for commercially important fragments, such as sequence fragments involved in gene expression and protein processing, may be of shorter length.

The term "a target structural motif" or "target motif" is defined herein as any rationally selected sequence or combination of sequences in which the sequence(s) are chosen based on a three-dimensional configuration which is formed upon the folding of the target motif. There are a variety of target motifs known in the art. Protein target motifs include, but are not limited to, enzyme active sites and signal sequences, substrate and cofactor binding domains, transmembrane domains, and sites for post-translational modifications. Nucleic acid target motifs include, but are not limited to, promoter sequences, hairpin structures and inducible expression elements (protein binding sequences), repeats, palindromes, dyad symmetries, intron-exon boundaries, transcription and translation start and stop sites, and polyadenylation signals.

A variety of structural formats for the input and output means can be used to input and output the information in the computer-based systems of the present invention. A preferred format for an output means ranks fragments of the *Fusarium venenatum*, *Aspergillus niger*, *Aspergillus oryzae*, and *Trichoderma reesei* genomic sequences possessing varying degrees of homology to the target sequence or target motif. Such presentation provides one skilled in

the art with a ranking of sequences which contain various amounts of the target sequence or target motif and identifies the degree of homology contained in the identified fragment.

A variety of comparing means can be used to compare a target sequence or target motif with the data storage means to identify sequence fragments of the *Fusarium venenatum*, *Aspergillus niger*, *Aspergillus oryzae*, and *Trichoderma reesei* genomes. For example, implementing software which utilize the BLAST and BLAZE algorithms, described in Altschul *et al.*, 1990, *Journal of Molecular Biology* 215: 403-410, may be used to identify open reading frames within the *Fusarium venenatum*, *Aspergillus niger*, *Aspergillus oryzae*, or *Trichoderma reesei* genome or the genomes of other organisms. A skilled artisan can readily recognize that any one of the publicly available homology search programs can be used as the search means for the computer-based systems of the present invention. Of course, suitable proprietary systems that may be known to those of skill also may be employed in this regard.

Tables 1-4 in the present application provide listings of sequences, which can be products themselves or used to genetically modify an industrial expression host through increased or decreased expression of a specific gene sequence(s). These were generated by applying the above-mentioned computer based systems to the sequences of the invention. Tables 1-4 are generally referred to as lists of annotated EST sequences and furthermore serve an important task in the interpretation of the data generated by the method of the present invention.

Substrates

The present invention also relates to substrates as described herein comprising an array of filamentous fungal ESTs. In a preferred embodiment, the substrate comprises an array of filamentous fungal ESTs selected from the group consisting of SEQ ID NOs. 1-7860, nucleic acid fragments of SEQ ID NOs. 1-7860, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 1-7860. In a more preferred embodiment, the substrate comprises an array of EST sequences selected from the group consisting of SEQ ID NOs. 1-7860.

In a preferred embodiment, the substrate comprises an array of *Fusarium venenatum* ESTs selected from the group consisting of SEQ ID NOs. 1-3770, nucleic acid fragments of

SEQ ID NOs. 1-3770, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 1-3770. In a more preferred embodiment, the substrate comprises an array of *Fusarium venenatum* ESTs selected from the group consisting of SEQ ID NOs. 1-3770.

5 In another preferred embodiment, the substrate comprises an array of *Aspergillus niger* ESTs selected from the group consisting of SEQ ID NOs. 3771-4376, nucleic acid fragments of SEQ ID NOs. 3771-4376, and nucleotide sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 3771-4376. In another more preferred embodiment, the substrate
10 comprises an array of *Aspergillus niger* ESTs selected from the group consisting of SEQ ID NOs. 3771-4376.

In another preferred embodiment, the substrate comprises an array of *Aspergillus oryzae* ESTs selected from the group consisting of SEQ ID NOs. 4377-7401, nucleic acid fragments of SEQ ID NOs. 4377-7401, and nucleic acid sequences having at least 90%,
15 preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to the sequences of SEQ ID NOs. 4377-7401. In another more preferred embodiment, the substrate comprises an array of *Aspergillus oryzae* ESTs selected from the group consisting of SEQ ID NOs. 4377-7401.

In another preferred embodiment, the substrate comprises an array of *Trichoderma reesei* ESTs selected from the group consisting of SEQ ID NOs. 7402-7860, nucleic acid fragments of SEQ ID NOs. 7402-7860, or nucleic acid sequences having at least 95%,
20 preferably at least 99% and most preferably at least 99.9% homology to a sequence of SEQ ID NOs. 7402-7860. In another more preferred embodiment, the substrate comprises an array of *Trichoderma reesei* ESTs selected from the group consisting of SEQ ID NOs. 7402-7860.

25 **Isolated Nucleic Acids**

The present invention also relates to isolated filamentous fungal ESTs.

In a preferred embodiment, the isolated ESTs are *Fusarium venenatum* ESTs selected from the group consisting of SEQ ID NOs. 1-3770, nucleic acid fragments of SEQ ID NOs.
30 1-3770, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 1-3770. In a more preferred embodiment, the *Fusarium venenatum* ESTs are SEQ ID NOs. 1-

3770.

In another preferred embodiment, the isolated ESTs are *Aspergillus niger* ESTs selected from the group consisting of SEQ ID NOs. 3771-4376, nucleic acid fragments of SEQ ID NOs. 3771-4376, and nucleotide sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 3771-4376. In another more preferred embodiment, the *Aspergillus niger* ESTs are SEQ ID NOs. 3771-4376.

In another preferred embodiment, the isolated ESTs are *Aspergillus oryzae* ESTs selected from the group consisting of SEQ ID NOs. 4377-7401, nucleic acid fragments of SEQ ID NOs. 4377-7401, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to the sequences of SEQ ID NOs. 4377-7401.

In another preferred embodiment, the isolated ESTs are *Trichoderma reesei* ESTs selected from the group consisting of SEQ ID NOs. 7402-7860, nucleic acid fragments of SEQ ID NOs. 7402-7860, or nucleic acid sequences having at least 95%, preferably at least 99% and most preferably at least 99.9% homology to a sequence of SEQ ID NOs. 7402-7860. In another more preferred embodiment, the *Trichoderma reesei* ESTs are SEQ ID NOs. 7402-7860.

The present invention also relates to isolated nucleic acid sequences comprising any of the filamentous fungal ESTs selected from the group consisting of SEQ ID NOs. 1-7860, nucleic acid fragments of SEQ ID NOs. 1-7860, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to the sequences of SEQ ID NOs. 1-7860.

The present invention is further described by the following examples which should not be construed as limiting the scope of the invention.

Examples

Chemicals used as buffers and substrates were commercial products of at least reagent grade.

Example 1: Fermentation and Mycelial Tissue

Fusarium venenatum CC1-3, a morphological mutant of *Fusarium* strain ATCC 20334 (Wiebe *et al.*, 1991, *Mycol. Research* 95: 1284-1288), was grown in a two-liter lab-scale fermentor using a fed-batch fermentation scheme with maltose syrup as the carbon source and yeast extract. Ammonium phosphate was provided in the feed. The pH was maintained at 6 to 6.5, and the temperature was kept at 30°C with positive dissolved oxygen. Mycelial samples were harvested at 2, 4, 6, and 8 days post-inoculum and quick-frozen in liquid nitrogen. The samples were stored at -80°C until they were disrupted for RNA extraction.

Aspergillus niger strain Bo-95 was fermented in a minimal salts, maltodextrin based medium with a subsequent carbon feed of glucose at pH 4.75 and 34°C. Mycelia were harvested and frozen at -80°C. The *Aspergillus niger* mycelial sample was ground to a fine powder in the presence of liquid nitrogen prior to extraction of total cellular RNA.

Aspergillus oryzae strain A1560 (IFO 4177) was grown in two 20-liter lab fermentors on a 10-liter scale at 34°C using yeast extract and dextrose in the batch medium, and maltose syrup, urea, yeast extract, and trace metals in the feed. Fungal mycelia from the first lab fermentor were harvested by filtering through a cellulose filter (pore size 7-11 microns) after 27 hours, 68.5 hours, 118 hours, and 139 hours of growth. The growth conditions for the second fermentor were identical to the first one, except for a slower growth rate during the first 20 hours of fermentation. Fungal mycelia from the second lab fermentor were harvested as above after 68.3 hours of growth. The harvested mycelia were immediately frozen in liquid N₂ and stored at -80°C.

The *Aspergillus oryzae* strain A1560 was also grown in four 20-liter lab fermentors on a 10-liter scale at 34°C using sucrose in the batch medium, and maltose syrup, ammonia, and yeast extract in the feed.

The first of the four fermentations was carried out at pH 4.0.

The second of the four fermentations was carried out at pH 7.0 with a constant low agitation rate (550 rpm) to achieve the rapid development of reductive metabolism.

The third of the four fermentations was carried out at pH 7.0 under phosphate limited growth by lowering the amount of phosphate and yeast extract added to the batch medium.

The fourth of the four fermentations was carried out at pH 7.0 and 39°C. After 75 hours of fermentation the temperature was lowered to 34°C. At 98 hours of fermentation the

addition of carbon feed was stopped and the culture was allowed to starve for the last 30 hours of the fermentation.

Fungal mycelial samples from the four lab fermentors above were then collected as described above, immediately frozen in liquid N₂, and stored at -80°C.

5 *Aspergillus oryzae* strain A1560 was also grown on Whatman filters placed on Coven-N agar plates for two days. The mycelia were collected, immediately frozen in liquid N₂, and stored at -80°C.

Aspergillus oryzae strain A1560 was also grown at 30°C in 150 ml shake flasks containing RS-2 medium (Kofod *et al.*, 1994, *Journal of Biological Chemistry* 269: 29182-10 29189) or a defined minimal medium. Fungal mycelia were collected after 5 days of growth in the RS-2 medium and 3 and 4 days of growth in the defined minimal medium, immediately frozen in liquid N₂, and stored at -80°C.

Aspergillus oryzae strain AL-11 was fermented similarly as described above for *Aspergillus oryzae* strain A1560 in a 20-liter lab fermentor on a 10-liter scale at 34°C using yeast extract and dextrose in the batch medium, and maltose syrup, urea, yeast extract, and trace metals in the feed with a slow growth rate during the first 20 hours of fermentation. Fungal mycelia were harvested at 74.1 hours as above, immediately frozen in liquid N₂ and stored at -80°C.

20 *Trichoderma reesei* strain RutC-30 (Montenecourt and Eveleigh, 1979, *Adv. Chem. Ser.* 181: 289-301) was cultivated in a pilot scale fermentation tank in growth medium containing a complex carbon source. Fungal mycelium was collected from a one-liter sample, and immediately frozen in liquid N₂ and stored at -80°C.

Example 2: *Fusarium venenatum* Directional cDNA Library Construction

25 Total cellular RNA was extracted from the *Fusarium venenatum* mycelial samples described in Example 1 according to the method of Timberlake and Barnard (1981, *Cell* 26: 29-37), and the RNA samples were analyzed by Northern hybridization after blotting from 1% formaldehyde-agarose gels (Davis *et al.*, 1986, *Basic Methods in Molecular Biology*, Elsevier Science Publishing Co., Inc., New York). Polyadenylated mRNA fractions were isolated from total RNA with an mRNA Separator Kit™ (Clontech Laboratories, Inc., Palo Alto, CA) according to the manufacturer's instructions. Double-stranded cDNA was synthesized using approximately 5 µg of poly(A)+ mRNA according to the method of Gubler

and Hoffman (1983, *Gene* 25: 263-269) except a *NotI*-(dT)₁₈ primer (Pharmacia Biotech, Inc., Piscataway, NJ) was used to initiate first strand synthesis. The cDNA was treated with mung bean nuclease (Boehringer Mannheim Corporation, Indianapolis, IN) and the ends were made blunt with T4 DNA polymerase (New England Biolabs, Beverly, MA).

5 The cDNA was digested with *NotI*, size selected by agarose gel electrophoresis (ca. 0.7-4.5 kb), and ligated with pZerO-2.1 (Invitrogen Corporation, Carlsbad, CA) which had been cleaved with *NotI* plus *EcoRV* and dephosphorylated with calf-intestine alkaline phosphatase (Boehringer Mannheim Corporation, Indianapolis, IN). The ligation mixture was used to transform competent *E. coli* TOP10 cells (Invitrogen Corporation, Carlsbad, CA).
10 Transformants were selected on 2YT agar plates (Miller, 1992, *A Short Course in Bacterial Genetics. A Laboratory Manual and Handbook for Escherichia coli and Related Bacteria*, Cold Spring Harbor Press, Cold Spring Harbor, New York) which contained kanamycin at a final concentration of 50 µg/ml.

Two independent directional cDNA libraries were constructed using the plasmid
5 cloning vector pZerO-2.1. Library A was made using mRNA from mycelia harvested at four days, and Library B was constructed with mRNA from the six day time point. One library (prepared from 4 day cells) consisted about 7.5×10^4 independent clones and a second library B (prepared from 6 day cells) consisted of roughly 1.2×10^5 clones. Miniprep DNA was isolated from forty colonies in each library and checked for the presence and size of cDNA
20 inserts. In this analysis 39 of 40 colonies (97.5%) from Library A contained inserts with sizes ranging from 600 bp to 2200 bp (avg. = 1050 bp). Similarly, 39 of 40 colonies (97.5%) picked from Library B had inserts with sizes ranging from 800 bp to 3600 bp (avg. = 1380 bp). Each of these libraries was amplified using standard techniques (Birren, *et al.*, 1998, *Genome Analysis, Volume 2, Detecting Genes, A Laboratory Manual*. Cold Spring Harbor
25 Laboratory Press, Cold Spring Harbor, NY), and each amplified library was stored as a DNA pool at 4°C in 10 mM Tris-HCl, pH 7.6, 1 mM EDTA.

Example 3: *Fusarium venenatum* EST Template Preparation

From each directional cDNA library described in Example 2, transformant colonies
30 were picked directly from the transformation plates into 96-well microtiter dishes which contained 200 µl of 2YT broth (Miller, 1992, *supra*) with 50 µg/ml kanamycin. The plates were incubated overnight at 37°C without shaking. After incubation 100 µl of sterile 50%

glycerol was added to each well. The transformants were replicated into secondary, deep-dish 96-well microculture plates (Advanced Genetic Technologies Corporation, Gaithersburg, MD) containing 1 ml of Magnificent Broth™ (MacConnell Research, San Diego, CA) supplemented with 50 µg of kanamycin per ml in each well. The primary microtiter plates were stored frozen at -80°C. The secondary deep-dish plates were incubated at 37°C overnight with vigorous agitation (300 rpm) on rotary shaker. To prevent spilling and cross-contamination, and to allow sufficient aeration, each secondary culture plate was covered with a polypropylene pad (Advanced Genetic Technologies Corporation, Gaithersburg, MD) and a plastic microtiter dish cover. DNA was isolated from each well using the 96-well Miniprep Kit protocol of Advanced Genetic Technologies Corporation (Gaithersburg, MD) as modified by Utterback *et al.* (1995, *Genome Sci. Technol.* 1: 1-8).

Example 4: *Aspergillus niger* Directional cDNA Library Construction

Total cellular RNA was extracted from the *Aspergillus niger* mycelial samples described in Example 1 using a QiaEasy RNA maxi kit (QIAGEN, Valencia, CA) with the following modification. The extract was sheared by passage up and down in a 16-gauge needle three times before the addition of the 70% ethanol step. PolyA⁺ RNA was isolated using a Qiagen Oligotex kit following the instructions provided by the manufacturer (QIAGEN, Valencia, CA).

Double-stranded cDNA was synthesized from 5 µg of *Aspergillus oryzae* A1560 poly(A)⁺ RNA by the RNase H method (Gubler and Hoffman 1983, *Gene* 25: 263-269; Sambrook *et al.*, 1989, *Molecular Cloning: A Laboratory Manual*, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York) using a hair-pin modification. The poly(A)⁺RNA (5 µg in 5 µl of 0.1% diethylpyrocarbonate-treated water) was heated at 70°C for 8 minutes in a pre-siliconized, RNase-free Eppendorf tube, quenched on ice, and combined in a final volume of 50 µl with reverse transcriptase buffer (50 mM Tris-Cl pH 8.3, 75 mM KCl, 3 mM MgCl₂, 10 mM DTT) containing 1 mM of dATP, dGTP and dTTP, and 0.5 mM of 5-methyl-dCTP (Pharmacia, Uppsala, Sweden), 40 units of human placental ribonuclease inhibitor (Promega, Madison, WI), 4.81 µg of oligo(dT)₁₈-*NotI* primer (Pharmacia, Uppsala, Sweden) and 1000 units of SuperScript II RNase H - reverse transcriptase (Life Technologies, Gaithersburg, MD).

First-strand cDNA was synthesized by incubating the reaction mixture at 45°C for 1

hour. After synthesis, the mRNA:cDNA hybrid mixture was gel filtrated through a MicroSpin S-400 HR (Pharmacia, Uppsala, Sweden) spin column according to the manufacturer's instructions.

After gel filtration, the hybrids were diluted in 250 µl of second strand buffer (20 mM Tris-Cl pH 7.4, 90 mM KCl, 4.6 mM MgCl₂, 10 mM (NH₄)₂SO₄, 0.16 mM βNAD⁺) containing 200 µM of each dNTP, 60 units of *E. coli* DNA polymerase I (Pharmacia, Uppsala, Sweden), 5.25 units of RNase H (Promega, Madison, WI), and 15 units of *E. coli* DNA ligase (Boehringer Mannheim, Indianapolis, IN). Second strand cDNA synthesis was performed by incubating the reaction tube at 16°C for 2 hours, and an additional 15 minutes at 25°C. The reaction was stopped by addition of EDTA to 20 mM final concentration followed by phenol and chloroform extractions.

The double-stranded cDNA was purified using a QiaQuick PCR spin column according to the manufacturer's instructions (QIAGEN, Valencia, CA), washed in 70% ethanol, dried (SpeedVac), and resuspended in 30 µl of Mung bean nuclease buffer (30 mM sodium acetate pH 4.6, 300 mM NaCl, 1 mM ZnSO₄, 0.35 mM dithiothreitol, 2% glycerol) containing 25 units of Mung bean nuclease (Pharmacia, Uppsala, Sweden). The single-stranded hair-pin DNA was clipped by incubating the reaction at 30°C for 30 minutes, followed by addition of 70 µl of 10 mM Tris-Cl, pH 7.5, 1 mM EDTA, phenol extraction, and ethanol precipitation with 2 volumes of 96% ethanol and 0.1 volume 3 M sodium acetate pH 5.2 on ice for 30 minutes.

After treatment of the cDNA with mung bean nuclease, the cDNA was cut with the restriction endonuclease *NotI*. The cDNA was ligated into a pZERo2 vector (Invitrogen, Carlsbad, CA) that had been previously cut with restriction endonucleases *EcoRV* and *NotI*. The ligation mixture was used to transform by electroporation *E. coli* strain DH10B (Life Technologies, Gaithersburg, MD) to generate approximately 4.5 million kanamycin resistant transformants. The transformants were plated onto 2YT agar plates containing 50 µg/ml kanamycin. The colonies were harvested and DNA was isolated using Qiagen Maxi kits (QIAGEN, Valencia, CA) and the instructions supplied by the manufacturer.

An aliquot of the *Aspergillus niger* DNA preparation was cut with restriction endonuclease *NotI* and run on an agarose gel. Based upon the migration of standard DNA markers, a band containing DNA from molecular size approximately 3.8 kb to 6.1 kb was excised from the gel and purified with a QiaExII purification kit (QIAGEN, Valencia, CA).

The cDNA was ligated with T4 DNA polymerase using standard conditions, and used to transform *E. coli* strain DH10B to kanamycin resistance by electroporation to generate colonies for sequence analysis.

5 **Example 5: *Aspergillus niger* EST Template Preparation**

cDNA was isolated from individual kanamycin resistant colonies using a Qiagen 96-well manifold plasmid preparation system (QIAGEN, Valencia, CA) and the instructions supplied by the manufacturer.

10 **Example 6: *Aspergillus oryzae* Directional cDNA Library Construction**

Total RNA was prepared from the *Aspergillus oryzae* mycelial samples described in Example 1 by extraction with guanidinium thiocyanate followed by ultracentrifugation through a 5.7 M CsCl cushion (Chirgwin *et al.*, 1979, *Biochemistry* 18: 5294-5299) using the following modifications. The frozen mycelia were ground in liquid N₂ to a fine powder with a mortar and a pestle, followed by grinding in a precooled coffee mill, and immediately suspended in 5 volumes of RNA extraction buffer (4 M guanidinium thiocyanate, 0.5% sodium laurylsarcosine, 25 mM sodium citrate pH 7.0, 0.1 M β-mercaptoethanol). The mixture was stirred for 30 minutes at room temperature and centrifuged (20 minutes at 10 000 rpm, Beckman) to pellet the cell debris. The supernatant was collected, carefully layered onto a 5.7 M CsCl cushion (5.7 M CsCl, 10 mM EDTA, pH 7.5, 0.1% DEPC; autoclaved prior to use) using 26.5 ml supernatant per 12.0 ml of CsCl cushion, and centrifuged to obtain the total RNA (Beckman, SW 28 rotor, 25 000 rpm, room temperature, 24 hours). After centrifugation the supernatant was carefully removed and the bottom of the tube containing the RNA pellet was cut off and rinsed with 70% ethanol. The total RNA pellet was transferred to an Eppendorf tube, suspended in 500 μl of TE, pH 7.6 (if difficult, heat occasionally for 5 minutes at 65°C), phenol extracted, and precipitated with ethanol for 12 hours at -20°C (2.5 volumes of ethanol, 0.1 volume of 3M sodium acetate pH 5.2). The RNA was collected by centrifugation, washed in 70% ethanol, and resuspended in a minimum volume of DEPC. The RNA concentration was determined by measuring OD_{260/280}.

30 The poly(A)⁺ RNA was isolated by oligo(dT)-cellulose affinity chromatography (Aviv & Leder, 1972, *Proceedings of the National Academy of Sciences USA* 69: 1408-1412). A total of 0.2 g of oligo(dT) cellulose (Boehringer Mannheim, Indianapolis, IN) was preswollen

in 10 ml of 1x of column loading buffer (20 mM Tris-Cl, pH 7.6, 0.5 M NaCl, 1 mM EDTA, 0.1% SDS), loaded onto a DEPC-treated, plugged plastic column (Poly Prep Chromatography Column, BioRad, Hercules, CA), and equilibrated with 20 ml of 1x loading buffer. The total RNA (1-2 mg) was heated at 65°C for 8 minutes, quenched on ice for 5 minutes, and after addition of 1 volume of 2x column loading buffer to the RNA sample loaded onto the column. The eluate was collected and reloaded 2-3 times by heating the sample as above and quenching on ice prior to each loading. The oligo(dT) column was washed with 10 volumes of 1x loading buffer, then with 3 volumes of medium salt buffer (20 mM Tris-Cl, pH 7.6, 0.1 M NaCl, 1 mM EDTA, 0.1% SDS), followed by elution of the poly(A)⁺ RNA with 3 volumes of elution buffer (10 mM Tris-Cl, pH 7.6, 1 mM EDTA, 0.05% SDS) preheated to 65°C, by collecting 500 µl fractions. The OD₂₆₀ was read for each collected fraction, and the mRNA containing fractions were pooled and ethanol precipitated at -20°C for 12 hours. The poly(A)⁺ RNA was collected by centrifugation, resuspended in DEPC-DIW and stored in 5-10 µg aliquots at -80°C.

Double-stranded cDNA was synthesized from 5 µg of *Aspergillus oryzae* A1560 poly(A)⁺ RNA by the RNase H method (Gubler and Hoffman 1983, *supra*; Sambrook *et al.*, 1989, *supra*) using a hair-pin modification. The poly(A)⁺ RNA (5 µg in 5 µl of DEPC-treated water) was heated at 70°C for 8 minutes in a pre-siliconized, RNase-free Eppendorf tube, quenched on ice, and combined in a final volume of 50 µl with reverse transcriptase buffer (50 mM Tris-Cl pH 8.3, 75 mM KCl, 3 mM MgCl₂, 10 mM DTT) containing 1 mM of dATP, dGTP and dTTP, and 0.5 mM of 5-methyl-dCTP, 40 units of human placental ribonuclease inhibitor, 4.81 µg of oligo(dT)₁₈-*NotI* primer and 1000 units of SuperScript II RNase H - reverse transcriptase.

First-strand cDNA was synthesized by incubating the reaction mixture at 45°C for 1 hour. After synthesis, the mRNA:cDNA hybrid mixture was gel filtrated through a Pharmacia MicroSpin S-400 HR spin column according to the manufacturer's instructions.

After the gel filtration, the hybrids were diluted in 250 µl of second strand buffer (20 mM Tris-Cl pH 7.4, 90 mM KCl, 4.6 mM MgCl₂, 10 mM (NH₄)₂SO₄, 0.16 mM βNAD⁺) containing 200 µM of each dNTP, 60 units of *E. coli* DNA polymerase I (Pharmacia, Uppsala, Sweden), 5.25 units of RNase H, and 15 units of *E. coli* DNA ligase. Second strand cDNA synthesis was performed by incubating the reaction tube at 16°C for 2 hours, and an additional 15 minutes at 25°C. The reaction was stopped by addition of EDTA to 20 mM

final concentration followed by phenol and chloroform extractions.

The double-stranded cDNA was ethanol precipitated at -20°C for 12 hours by addition of 2 volumes of 96% ethanol and 0.2 volume of 10 M ammonium acetate, recovered by centrifugation, washed in 70% ethanol, dried (SpeedVac), and resuspended in 30 µl of Mung bean nuclease buffer (30 mM sodium acetate pH 4.6, 300 mM NaCl, 1 mM ZnSO₄, 0.35 mM dithiothreitol, 2% glycerol) containing 25 units of Mung bean nuclease. The single-stranded hair-pin DNA was clipped by incubating the reaction at 30°C for 30 minutes, followed by addition of 70 µl of 10 mM Tris-Cl, pH 7.5, 1 mM EDTA, phenol extraction, and ethanol precipitation with 2 volumes of 96% ethanol and 0.1 volume 3 M sodium acetate pH 5.2 on ice for 30 minutes.

The double-stranded cDNAs were recovered by centrifugation (20,000 rpm, 30 minutes), and blunt-ended with T4 DNA polymerase in 30 µl of T4 DNA polymerase buffer (20 mM Tris-acetate, pH 7.9, 10 mM magnesium acetate, 50 mM potassium acetate, 1 mM dithiothreitol) containing 0.5 mM of each dNTP, and 5 units of T4 DNA polymerase by incubating the reaction mixture at +16°C for 1 hour. The reaction was stopped by addition of EDTA to 20 mM final concentration, followed by phenol and chloroform extractions and ethanol precipitation for 12 h at -20°C by adding 2 volumes of 96% ethanol and 0.1 volume of 3M sodium acetate pH 5.2.

After the fill-in reaction the cDNAs were recovered by centrifugation as above, washed in 70% ethanol, and the DNA pellet was dried in a SpeedVac. The cDNA pellet was resuspended in 25 µl of ligation buffer (30 mM Tris-Cl, pH 7.8, 10 mM MgCl₂, 10 mM dithiothreitol, 0.5 mM ATP) containing 2 µg *Eco*RI adaptors (0.2µg/µl, Pharmacia, Uppsala, Sweden) and 20 units of T4 ligase by incubating the reaction mix at 16°C for 12 hours. The reaction was stopped by heating at 65°C for 20 minutes, and then placed on ice for 5 minutes.

The adapted cDNA was digested with *Not*I by addition of 20 µl autoclaved water, 5 µl of 10x *Not*I restriction enzyme buffer and 50 units of *Not*I, followed by incubation for 3 hours at 37°C. The reaction was stopped by heating the sample at 65 °C for 15 minutes. The cDNAs were size-fractionated by agarose gel electrophoresis on a 0.8% SeaPlaque GTG low melting temperature agarose gel (FMC, Rockland, ME) in 1x TBE (in autoclaved water) to separate unligated adaptors and small cDNAs. The gel was run for 12 hours at 15 V, and the cDNA was size-selected with a cut-off at 0.7 kb by cutting out the lower part of the agarose gel. Then a 1.5% agarose gel was poured in front of the cDNA-containing gel, and the double-

stranded cDNAs were concentrated by running the gel backwards until it appeared as a compressed band on the gel. The cDNA-containing gel piece was cut out from the gel and the cDNA was extracted from the gel using the GFX gel band purification kit (Amersham, Arlington Heights, IL) as follows. The trimmed gel slice was weighed in a 2 ml Biopure Eppendorf tube, then 10 ml of Capture Buffer was added for each 10 mg of gel slice, the gel slice was dissolved by incubation at 60°C for 10 minutes, until the agarose was completely solubilized, the sample at the bottom of the tube by brief centrifugation. The melted sample was transferred to the GFX spin column placed in a collection tube, incubated at 25°C for 1 minute, and then spun at full speed in a microcentrifuge for 30 seconds. The flow-through was discarded, and the column was washed with 500 µl of wash buffer, followed by centrifugation at full speed for 30 seconds. The collection tube was discarded, and the column was placed in a 1.5 ml Eppendorf tube, followed by elution of the cDNA by addition of 50 µl of TE pH 7.5 to the center of the column, incubation at 25°C for 1 minute, and finally by centrifugation for 1 minute at maximum speed. The eluted cDNA was stored at -20°C until library construction.

A plasmid DNA preparation for a *EcoRI-NotI* insert-containing pYES2.0 cDNA clone, was purified using a QIAGEN Tip-100 according to the manufacturer's instructions (QIAGEN, Valencia, CA). A total of 10 µg of purified plasmid DNA was digested to completion with *NotI* and *EcoRI* in a total volume of 60 µl by addition of 6 µl of 10x NEBuffer for *EcoRI* (New England Biolabs, Beverly, MA), 40 units of *NotI*, and 20 units of *EcoRI* followed by incubation for 6 hours at 37°C. The reaction was stopped by heating the sample at 65°C for 20 minutes. The digested plasmid DNA was extracted once with phenol-chloroform, then with chloroform, followed by ethanol precipitation for 12 hours at -20°C by adding 2 volumes of 96% ethanol and 0.1 volume of 3 M sodium acetate pH 5.2. The precipitated DNA was resuspended in 25 µl of 1x TE pH 7.5, loaded on a 0.8% SeaKem agarose gel in 1x TBE, and run on the gel for 3 hours at 60 V. The digested vector was cut out from the gel, and the DNA was extracted from the gel using the GFX gel band purification kit (Amersham-Pharmacia Biotech, Uppsala, Sweden) according to the manufacturer's instructions. After measuring the DNA concentration by OD_{260/280}, the eluted vector was stored at -20°C until library construction.

To establish the optimal ligation conditions for the cDNA library, four test ligations were carried out in 10 µl of ligation buffer (30 mM Tris-Cl pH 7.8, 10 mM MgCl₂, 10 mM

DTT, 0.5 mM ATP) containing 7 µl of double-stranded cDNA, (corresponding to approximately 1/10 of the total volume in the cDNA sample), 2 units of T4 ligase, and 25 ng, 50 ng and 75 ng of *EcoRI-NotI* cleaved pYES2.0 vector, respectively (Invitrogen). The vector background control ligation reaction contained 75 ng of *EcoRI-NotI* cleaved pYES.0 vector without cDNA. The ligation reactions were performed by incubation at 16°C for 12 hours, heated at 65°C for 20 minutes, and then 10 µl of autoclaved water was added to each tube. One µl of the ligation mixtures was electroporated (200 W, 2.5 kV, 25 mF) to 40 µl electrocompetent *E. coli* DH10B cells (Life Technologies, Gaithersburg, MD). After addition of 1 ml SOC to each transformation mix, the cells were grown at 37°C for 1 hour, 50 µl and 5 µl from each electroporation were plated on LB plates supplemented with ampicillin at 100 µg per ml and grown at 37°C for 12 hours. Using the optimal conditions, 18 *Aspergillus oryzae* A1560 cDNA libraries containing $1-2.5 \times 10^7$ independent colony forming units was established in *E. coli*, with a vector background of ca. 1%. The cDNA library was stored as (1) individual pools (25,000 c.f.u./pool) in 20% glycerol at -80°C; (2) cell pellets of the same pools at -20°C; (3) Qiagen purified plasmid DNA from individual pools at -20°C (Qiagen Tip 100); and (4) directional, double-stranded cDNA at -20°C.

Example 7: *Aspergillus oryzae* EST Template Preparation

From each cDNA library described in Example 6, transformant colonies were picked directly from the transformation plates into 96-well microtiter dishes (QIAGEN, GmbH, Hilden Germany) which contained 200 µl TB broth (Life Technologies, Frederick Maryland) with 100 µg ampicillin per ml. The plates were incubated 24 hours with agitation (300 rpm) on a rotary shaker. To prevent spilling and cross-contamination, and to allow sufficient aeration, the plates were covered with a microporous tape sheet AirPore™ (QIAGEN GmbH, Hilden Germany).

cDNA was isolated from each well using the QIAprep 96 Turbo kit (QIAGEN GmbH, Hilden Germany).

Example 8: *Trichoderma reesei* Directional cDNA Library Construction

Total RNA was prepared from the *Trichoderma reesei* mycelial samples described in Example 1 by extraction with guanidinium thiocyanate followed by ultracentrifugation through a 5.7 M CsCl cushion (Chirgwin *et al.*, 1979, *Biochemistry* 18: 5294-5299) as

described in Example 6. The total RNA concentration was determined by measuring OD_{260/280}.

The poly(A)⁺ RNA was isolated by oligo(dT)-cellulose affinity chromatography (Aviv & Leder, 1972, *Proceedings of the National Academy of Sciences USA* 69: 1408-1412) as described in example 6. Double-stranded *EcoRI-NotI*-directional cDNA was synthesized from 5 µg of *Trichoderma reesei* RutC-30 poly(A)⁺ RNA by the method described in example 6. The cDNAs were size-fractionated by agarose gel electrophoresis on a 0.8% SeaPlaque GTG low melting temperature agarose gel (FMC, Rockland, ME) in 1X TBE (in autoclaved water) to separate unligated adaptors and small cDNAs. The gel was run for 12 hours at 15 V, and the cDNA was size-selected with a cut-off at 0.7 kb by cutting out the lower part of the agarose gel. The cDNAs were recovered from the agarose gel as described in Example 6, and ligated into *EcoRI-NotI* cleaved pYES2.0 vector, using the optimal ligation conditions described in Example 6, resulting in a cDNA library comprising ca.1 x 10⁷ independent colony forming units was established in *E. coli*, with a vector background of 1%. The cDNA library was stored as (1) individual pools (25,000 c.f.u./pool) in 20% glycerol at -80°C; (2) cell pellets of the same pools at -20°C; (3) Qiagen purified plasmid DNA from individual pools at -20°C (Qiagen Tip 100); and (4) directional, double-stranded cDNA at -20°C.

Example 9: *Trichoderma reesei* EST Template Preparation

cDNA was isolated from individual *Trichoderma reesei* colonies using a Qiagen 96-well manifold plasmid preparation system (QIAGEN, Valencia, CA) and the instructions supplied by the manufacturer.

Example 10: DNA Sequencing and Analysis of Nucleotide Sequence Data of the *Fusarium venenatum* EST Library

Single-pass DNA sequencing was conducted with a Perkin-Elmer Applied Biosystems Model 377 XL Automatic DNA Sequencer (Perkin-Elmer Applied Biosystems, Inc., Foster City, CA) using dye-terminator chemistry (Giesecke *et al.*, 1992, *Journal of Virology Methods* 38: 47-60) and the reverse lac sequencing primer.

Nucleotide sequence data were scrutinized for quality, and samples giving improper spacing or ambiguity levels exceeding 2% were discarded or re-run. Vector sequences were

trimmed manually with assistance of FACTURA™ software (Perkin-Elmer Applied Biosystems, Inc., Foster City, CA). In addition, sequences were truncated at the end of each sample when the number of ambiguous base calls increased. All sequences were compared to each other to construct overlapping contigs using AutoAssembler™ software (Perkin-Elmer Applied Biosystems, Inc., Foster City, CA). The contigs were subsequently used in combination with TIGR Assembler software (Sutton *et al.*, 1995, *Genome Science and Technology* 1: 9019) to determine multiplicity of various cDNA species represented in each library. Lastly, all sequences were translated in three frames and searched against a non-redundant data base (NRDB) using GeneAssist™ software (Perkin-Elmer Applied Biosystems, Inc., Foster City, CA) with a modified Smith-Waterman algorithm using the BLOSUM 62 matrix with a threshold score of 70. The NRDB was assembled from Genpept, Swiss-Prot, and PIR databases.

The *Fusarium venenatum* EST sequences are designated SEQ ID NOs. 1–3770. An "N" in a nucleic acid sequence means that the nucleotide is an A, C, G, or T.

Example 11: DNA Sequencing and Analysis of Nucleotide Sequence Data of the *Aspergillus niger* EST Library

DNA sequencing was performed as described in Example 10. Following DNA sequencing, the generation of individual EST sequence files was performed by removal of flanking vector and polyA sequences, removal of sequences with a high percentage of ambiguous base calls, and removal of all sequences less than 100 processed nucleotides in length. Contiguous EST sequences were identified using the TIGR Assembler software (Sutton *et al.*, 1995, *supra*).

The *Aspergillus niger* EST sequences are designated SEQ ID NOs. 3771–4376. An "N" in a nucleic acid sequence means that the nucleotide is an A, C, G, or T.

Example 12: DNA Sequencing and Analysis of Nucleotide Sequence Data of the *Aspergillus oryzae* EST Library

Single-pass DNA sequencing of the *Aspergillus oryzae* ESTs was conducted with a Perkin-Elmer Applied Biosystems Model 377 XL Automatic DNA Sequencer (Perkin-Elmer Applied Biosystems, Inc., Foster City, CA) using dye-terminator chemistry (Giesecke *et al.*, 1992, *Journal of Virology Methods* 38: 47-60) and a pYES specific primer (Invitrogen,

Carlsbad, CA). Vector sequences were removed with the crossmatch program from the Phred/Phrap package (Ewing and Green, 1998, *Genome Research* 8: 186-194). The sequences were assembled with Phrap also from the Phred/Phrap package. The assembled sequences were searched with fastx3 (Pearson and Lipman, 1988, *Proceedings of the National Academy of Science USA* 85: 2444-2448; Pearson, 1990, *Methods in Enzymology* 183: 63-98) against a customized database consisting of protein sequences from SWISSPROT, SWISSPROTNEW, TREMBL, TREMBLNEW, REMTREMBL, PDB and GeneSeqP. The matrix used was BL50.

The *Aspergillus oryzae* EST sequences are designated SEQ ID NOs. 4377-7401. An "N" in a nucleic acid sequence means that the nucleotide is an A, C, G, or T.

Example 13: DNA Sequencing and Analysis of Nucleotide Sequence Data of the *Trichoderma reesei* EST Library

Single-pass DNA sequencing of the *Trichoderma reesei* ESTs was conducted with a Perkin-Elmer Applied Biosystems Model 377 XL Automatic DNA Sequencer (Perkin-Elmer Applied Biosystems, Inc., Foster City, CA) using dye-terminator chemistry (Giesecke *et al.*, 1992, *Journal of Virology Methods* 38: 47-60) and a pYES specific primer (Invitrogen, Carlsbad, CA). Vector sequence and low quality 3' sequence were removed with the pregap program from the Staden package (MRC, Cambridge, England). The sequences were assembled with Cap2 (Huang, 1996, *Genomics* 33: 21-31). The assembled sequences were searched with fastx3 (see Pearson and Lipman, 1988, *Proceedings of the National Academy of Science USA* 85: 2444-2448; Pearson, 1990, *Methods in Enzymology* 183: 63-98) against a customized database consisting of protein sequences from SWISSPROT, SWISSPROTNEW, TREMBL, TREMBLNEW, REMTREMBL, PDB and GeneSeqP. The matrix used was BL50.

The *Trichoderma reesei* EST sequences are designated SEQ ID NOs. 7402-7860. An "N" in a nucleic acid sequence means that the nucleotide is an A, C, G, or T.

Example 14: Compilation of *Fusarium venenatum*, *Aspergillus niger*, *Aspergillus oryzae*, and *Trichoderma reesei* ESTs

Tables 1-4 summarize the open reading frames (ORFs) in the *Fusarium venenatum*, *Aspergillus oryzae*, *Aspergillus oryzae*, and *Trichoderma reesei* EST sequences of the invention.

The EST's were annotated by searching the databases as specified in Example 12.

- 5 The description field from the database hit was assigned to a given EST if the z-score exceeded 200.

Functional categorization was done by use of the COG database (Tatusov *et al. Science* 1997 Oct 24; 278). This database contains 21 complete genomes: Each gene in the database is placed into one of the following categories: Translation, ribosomal structure and biogenesis; transcription; DNA replication, recombination and repair; cell division and chromosome partitioning; posttranslational modification, protein turnover, chaperones; cell envelope biogenesis, outer membrane; cell motility and secretion; inorganic ion transport and metabolism; signal transduction mechanisms; energy production and conversion; carbohydrate transport and metabolism; amino acid transport and metabolism; nucleotide transport and metabolism; coenzyme metabolism; lipid metabolism; general function prediction only; and function unknown. The EST's were searched against the COG database with fastx3 and a functional category was assigned to a sequence if a match was found with a z-score higher than 400.

The sequences were furthermore categorized into enzyme families. Examples of such classification are CAZy (Coutinho, P.M. & Henrissat, B., 1999, Carbohydrate-active enzymes: an integrated database approach, In *Recent Advances in Carbohydrate Bioengineering*, H.J. Gilbert, G. Davies, B. Henrissat and B. Svensson, eds., The Royal Society of Chemistry, Cambridge, *in press*) and (Coutinho, P.M. & Henrissat, B. (1999) The modular structure of cellulases and other carbohydrate-active enzymes: an integrated database approach, In *"Genetics, Biochemistry and Ecology of Cellulose Degradation"*, K. Ohmiya, K. Hayashi, K. Sakka, Y. Kobayashi, S. Karita and T. Kimura eds., Uni Publishers Co., Tokyo, pp. 15-23) accessible from: Coutinho, P.M. & Henrissat, B. (1999); Carbohydrate-Active Enzymes server at URL: <http://afmb.cnrs-mrs.fr/~pedro/CAZY/db.html>. At this site classifications into (a) Glycosidases and Transglycosidases (or Glycoside Hydrolases), (b) Glycosyltransferases, and (c) Polysaccharide Lyases and Carbohydrate Esterases are available.

Similarly, classifications of peptidases are available at the MEROPS database at <http://www.bi.bbsrc.ac.uk/Merops/Merops.htm>. This classification is essentially as identified by Rawlings and Barrett (Rawlings N.D., Barrett A.J., 1993, Evolutionary families of peptidases. *Biochemical Journal* 290: 205-218; Rawlings N.D., Barrett A.J., 1994, Families of serine peptidases. *Methods of Enzymology* 244: 19-61; Rawlings N.D., Barrett A.J., 1994, Families of cysteine peptidases. *Methods of Enzymology* 244: 461-486; Rawlings N.D., Barrett A.J., 1995, Families of aspartic peptidases and those of unknown catalytic mechanism, *Methods of Enzymology* 248: 105-120; and Rawlings N.D., Barrett A.J., 1995, Evolutionary families of metallopeptidases, *Methods of Enzymology* 248: 183-228.

Other classifications of lipases and oxidoreductase families were constructed in a similar manner, where structurally related enzymes were separated into distinct categories.

The EST sequences of the invention were compared by means of computer algorithms for homologies to the content of individual families. All sequences from a given family were used individually as a query to search a database of EST sequences of the invention using a number of different homology search algorithms like FASTA and BLAST (W. R. Pearson, 1990, Rapid and Sensitive Sequence Comparison with FASTP and FASTA, *Methods in Enzymology* 183: 63-98; and Altschul, Stephen F., Warren Gish, Webb Miller, Eugene W. Myers, and David J. Lipman, 1990, Basic local alignment search tool, *Journal of Molecular Biology* 215: 403-10). A distinct hit to a sequence of a given family predicted the particular EST sequence to encode a protein of that family. Using this method, part of the EST sequences listed in the table were shown to belong to distinct enzyme families.

Table 1. *Fusarium venenatum* ESTs

Sequence Listing	zscore	Annotation	Database	Functional category
1	2667.2	Talaromyces emersonii glucoamylase	geneseq Y23339	ND
2	4203.8	ELONGATION FACTOR 2 (EF-2).	swissprot P32324	ND
3	3198.0	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P23704	ND
4	1956.9	AMMONIUM TRANSPORTER MEPA	sptrembl q9y877	Inorganic ion transport and metabolism
6	2960.4	ELONGATION FACTOR 1-ALPHA (EF-1-ALPHA).	swissprot P34825	ND
7	2917.2	ABC1 TRANSPORTER.	sptrembl O13407	ND
8	2791.3	GAMMA-ACTIN.	tremblnew AAF00008	ND

9	2703.6	TUBULIN BETA CHAIN.	swissprot P53374	ND
12	2561.0	CITRATE SYNTHASE, MITOCHONDRIAL PRECURSOR (EC 4.1.3.7).	swissprot P34085	ND
13	2554.9	60S RIBOSOMAL PROTEIN L3.	tremblnew AAF15600	ND
14	2522.1	<i>Microscilla furvescens</i> catalase-53CA1.	geneseqp W33810	Inorganic ion transport and metabolism
15	2436.2	<i>Cladosporium herbarum</i> allergen Clah53.	geneseqp R71891	Energy production and conversion
16	2350.6	THIAZOLE BIOSYNTHETIC ENZYME PRECURSOR (STRESS-INDUCIBLE PROTEIN STI35).	swissprot P23618	ND
17	2331.8	SUBTILISIN-LIKE PROTEASE PR1H.	tremblnew CAB63907	Posttranslational modification, protein turnover, chaperones
18	2293.3	ALPHA-TUBULIN.	tremblnew CAA74848	ND
21	2165.4	GUANINE NUCLEOTIDE- BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (CROSS- PATHWAY CONTROL WD-REPEAT PROTEIN CPC-2).	swissprot Q01369	ND
22	2148.3	AMINO-ACID PERMEASE INDA1.	swissprot P34054	ND
24	2125.9	NMT1 PROTEIN HOMOLOG.	swissprot P42882	Inorganic ion transport and metabolism
25	2090.9	PUTATIVE MULTICOPPER OXIDASE YFL041W PRECURSOR (EC 1.-.-.-).	swissprot P43561	ND
26	2082.1	PLASMA MEMBRANE ATPASE (EC 3.6.1.35) (PROTON PUMP).	swissprot Q07421	Inorganic ion transport and metabolism
27	2071.7	PLASMA MEMBRANE ATPASE (EC 3.6.1.35) (PROTON PUMP).	swissprot Q07421	ND
28	2039.0	ADP,ATP CARRIER PROTEIN (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT).	swissprot P02723	ND
29	2026.4	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P37211	ND
30	2025.5	HEAT SHOCK 70 KD PROTEIN.	swissprot Q05944	Posttranslational modification, protein turnover, chaperones
31	1960.7	<i>T. harzianum</i> exochitinase.	geneseqp W01639	ND

32	1916.8	PUTATIVE DIHYDROXY-ACID DEHYDRATASE, MITOCHONDRIAL PRECURSOR (EC 4.2.1.9) (DAD) (2,3-DIHYDROXY ACID HYDROLYASE).	swissprot Q10318	ND
33	1905.0	CUTINASE TRANSCRIPTION FACTOR 1 ALPHA.	swissprot P52958	ND
34	1903.2	EUKARYOTIC INITIATION FACTOR 4A-LIKE PROTEIN CIF5.10.	swissprot Q10055	ND
35	1894.8	NADH DEHYDROGENASE SUBUNIT.	sptrembl Q01388	ND
36	1869.1	TRANSLATION RELEASE FACTOR ERF3.	sptrembl O42787	Amino acid transport and metabolism
37	1868.4	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (EC 1.2.1.12) (GAPDH).	swissprot P35143	ND
38	1852.7	VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (EC 3.6.1.34) (V-ATPASE 67 KD SUBUNIT).	swissprot P11592	ND
39	1838.0	PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE) (MULTIFUNCTIONAL BETA-OXIDATION PROTEIN) (MFP) [INCLUDES: 2-ENOYL-COA HYDRATASE (EC 4.2.1.-); D-3-HYDROXYACYL COA DEHYDROGENASE (EC 1.1.1.-)].	swissnew Q01373	ND
42	1816.8	N. crassa glucoamylase.	geneseqp R71034	ND
43	1798.7	XANTHINE DEHYDROGENASE (EC 1.1.1.204) (PURINE HYDROXYLASE I).	swissprot Q12553	ND
44	1769.7	78 KD GLUCOSE-REGULATED PROTEIN HOMOLOG PRECURSOR (GRP 78) (IMMUNOGLOBULIN HEAVY CHAIN BINDING PROTEIN HOMOLOG) (BIP).	swissnew P78695	ND
45	1769.5	RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE M2 CHAIN (EC 1.17.4.1) (RIBONUCLEOTIDE REDUCTASE).	swissprot P31350	Nucleotide transport
47	1740.5	6-PHOSPHOGLUCONATE DEHYDROGENASE, DECARBOXYLATING 1 (EC	swissprot P38720	ND

		1.1.1.44).		
48	1711.5	SERINE/THREONINE PROTEIN PHOSPHATASE PP2A CATALYTIC SUBUNIT (EC 3.1.3.16).	swissprot P48580	ND
49	1701.5	GEL1 PROTEIN.	sptrembl O74687	ND
50	1691.1	PUTATIVE LYSYL-TRNA SYNTHETASE.	tremblnew CAB52801	ND
51	1671.7	SIMILAR TO GLUTAMATE DECARBOXYLASE.	sptrembl Q05567	ND
52	1634.0	GLYCOGEN SYNTHASE.	sptrembl O93869	Cell envelope biogenesis, outer membrane
53	1630.0	CHROMOSOME XVI READING FRAME ORF YPL235W.	sptrembl Q12464	DNA replication, recombination and repair
54	1626.3	TRANSALDOLASE (EC 2.2.1.2).	sptrembl O42700	Carbohydrate transport and metabolism
56	1614.8	KETOL-ACID REDUCTOISOMERASE PRECURSOR (EC 1.1.1.86) (ACETOHYDROXY-ACID REDUCTOISOMERASE) (ALPHA-KETO-BETA- HYDROXYLACIL REDUCTOISOMERASE).	swissnew P38674	Amino acid transport and metabolism
57	1609.5	GLUTAMATE SYNTHASE [NADH] PRECURSOR (EC 1.4.1.14) (NADH-GOGAT).	swissnew Q03460	ND
58	1600.3	DICARBOXYLIC AMINO ACID PERMEASE.	swissprot P53388	ND
59	1599.3	Yeast ribosomal protein S7.	geneseqp W36115	ND
60	1579.6	SODIUM TRANSPORT ATPASE FST.	sptrembl Q00877	ND
61	1577.3	SIMILAR TO ASPARTATE AMINOTRANSFERASE.	sptrembl Q17994	Amino acid transport and metabolism
63	1562.2	EUKARYOTIC INITIATION FACTOR 4A (EIF-4A).	swissprot P47943	ND
65	1552.1	SUCCINATE DEHYDROGENASE [UBIQUINONE] IRON- SULFUR PROTEIN, MITOCHONDRIAL PRECURSOR (EC 1.3.5.1) (IP).	swissnew O42772	ND
67	1546.9	ACTIN-LIKE PROTEIN 3.	swissprot P78712	Cell division and chromosome partitioning
68	1538.6	HYPOTHETICAL 44.3 KD PROTEIN C27E2.03C IN CHROMOSOME I.	sptrembl O13998	ND
69	1529.6	BETA-GLUCOSIDASE 1 PRECURSOR (EC 3.2.1.21)	swissprot P48825	ND

		(PPASE).		
86	1419.8	MITOCHONDRIAL ATP-DEPENDENT PROTEASE PRECURSOR (EC 3.4.21.-).	swissprot P36775	Posttranslational modification, protein turnover, chaperones
87	1408.4	60S RIBOSOMAL PROTEIN L10.	tremblnew CAA22664	ND
88	1405.9	CHITINASE.	sptrembl Q92222	ND
89	1399.7	HISTIDINE KINASE (FRAGMENT).	tremblnew AAD40816	Signal transduction mechanisms
90	1389.9	CUTINASE G-BOX BINDING PROTEIN.	sptrembl Q00878	ND
91	1388.1	FLAVOHEMOGLOBIN.	sptrembl O74183	ND
92	1384.8	ACTIN-LIKE PROTEIN.	tremblnew CAB52711	Cell division and chromosome partitioning
93	1383.3	Trichoderma reesei ACEI transcriptional activator protein.	geneseqp W58572	ND
94	1375.8	40S RIBOSOMAL PROTEIN S3AE (S1).	swissprot P40910	ND
95	1370.2	GLUCOSAMINE-6-PHOSPHATE ISOMERASE (EC 5.3.1.10) (GLUCOSAMINE-6-PHOSPHATE DEAMINASE) (GNPDA) (GLCN6P DEAMINASE) (OSCILLIN) (KIAA0060).	swissprot P46926	Carbohydrate transport and metabolism
96	1365.9	14-3-3.	tremblnew BAA89421	ND
97	1360.4	C-1-TETRAHYDROFOLATE SYNTHASE.	sptrembl O42992	ND
98	1353.6	PYRABCN (EC 6.3.5.5).	sptrembl O93937	Nucleotide transport
99	1350.8	ASPARAGINE SYNTHETASE.	sptrembl O42902	ND
100	1349.2	UBIQUITIN--PROTEIN LIGASE RSP5 (EC 6.3.2.-).	swissprot P39940	ND
101	1346.1	ELONGATION FACTOR 3 (EF-3).	swissprot P25997	ND
102	1338.9	ENOLASE (EC 4.2.1.11).	tremblnew BAA23760	ND
103	1334.9	GTP-BINDING PROTEIN YPT1.	swissprot P33723	ND
104	1331.5	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl O59761	Energy production and conversion
105	1328.2	CYCLOPHILIN, MITOCHONDRIAL FORM PRECURSOR (EC 5.2.1.8).	sptrembl Q99009	ND
107	1314.0	40S RIBOSOMAL PROTEIN S6.	swissprot P05752	ND
108	1310.8	26S PROTEASE REGULATORY SUBUNIT 7 HOMOLOG (CIM5 PROTEIN)	swissprot P33299	Posttranslational modification, protein turnover,

		(TAT-BINDING HOMOLOG 3).		chaperones
109	1309.4	ACETYL-COA HYDROLASE (EC 3.1.2.1) (ACETYL-COA DEACYLASE) (ACETYL-COA ACYLASE) (ACETATE UTILIZATION PROTEIN).	swissprot P15937	ND
110	1309.1	60S ACIDIC RIBOSOMAL PROTEIN P0 (L10E).	swissprot P05317	ND
111	1308.8	CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT AAB-1.	sptrembl O13381	ND
113	1291.3	ADP-RIBOSYLATION FACTOR.	swissprot P34727	ND
114	1290.9	MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (EC 1.1.1.37).	swissprot P17505	ND
116	1289.4	HOMOCITRATE SYNTHASE (EC 4.1.3.21).	sptrembl O94225	ND
117	1285.6	FIMBRIN.	sptrembl O93981	ND
118	1284.9	EUKARYOTIC TRANSLATION INITIATION FACTOR 6 (EIF-6).	swissprot Q12522	ND
119	1283.8	Malassezia fungus MF-5 antigenic protein.	geneseqp W29772	ND
120	1282.5	HOMEODOMAIN DNA-BINDING TRANSCRIPTION FACTOR.	sptrembl O74252	ND
121	1281.8	CARNITINE ACETYL TRANSFERASE FACC.	sptrembl O13363	ND
122	1281.4	UBIQUITIN-CONJUGATING ENZYME E2-16 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (COLLETOTRICHUM HARD-SURFACE- INDUCED PROTEIN 1).	sptrembl O74196	ND
123	1278.4	FLAVOHEMOGLOBIN.	sptrembl O74183	ND
124	1275.7	MUS38.	sptrembl O74126	DNA replication, recombination and repair
125	1274.0	An enzyme with sugar transferase activity.	geneseqp W88044	ND
126	1270.2	TUBULIN ALPHA-A CHAIN.	swissprot P38668	ND
128	1266.0	40S RIBOSOMAL PROTEIN S9 (S7).	swissprot P52810	ND
129	1244.7	RAS-RELATED PROTEIN RAB-11B (ORA3).	swissprot P22129	ND
130	1241.0	PUTATIVE SODIUM P-TYPE ATPASE (FRAGMENT).	tremblnew CAB65298	ND
131	1237.4	HYDROXYMETHYLGLUTARYL-COA SYNTHASE (EC	swissprot P54874	ND

		4.1.3.5) (HMG-COA SYNTHASE) (3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE).		
132	1232.2	VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (EC 3.6.1.34) (V-ATPASE 67 KD SUBUNIT).	swissprot P11592	Energy production and conversion
133	1231.7	SQUALENE SYNTHASE.	sptrembl Q9Y753	ND
134	1230.8	ADENOSYLHOMOCYSTEINASE (EC 3.3.1.1) (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE).	swissprot P39954	ND
135	1224.8	PYRUVATE CARBOXYLASE.	sptrembl O93918	Amino acid transport and metabolism
136	1217.4	AMINONITROPHENYL PROPANEDIOL RESISTANCE PROTEIN.	swissprot P32629	ND
137	1213.0	HYPOTHETICAL 161.2 KD PROTEIN IN NMD5-HOM6 INTERGENIC REGION.	swissprot P47169	ND
138	1211.4	DIPHTHINE SYNTHASE (EC 2.1.1.98) (DIPHTAMIDE BIOSYNTHESIS METHYLTRANSFERASE).	swissprot P32469	Translation, ribosomal structure and biogenesis
139	1211.2	60S RIBOSOMAL PROTEIN L15.	swissprot O13418	ND
140	1211.1	ENOLASE (EC 4.2.1.11) (2-PHOSPHOGLYCERATE DEHYDRATASE) (2-PHOSPHO-D- GLYCERATE HYDRO-LYASE) (ALLERGEN CLA H 6) (CLA H VI).	swissprot P42040	Carbohydrate transport and metabolism
141	1210.2	26S PROTEASOME REGULATORY COMPLEX SUBUNIT P42D.	tremblnew AAF08391	Posttranslational modification, protein turnover, chaperones
142	1208.8	NADH-UBIQUINONE OXIDOREDUCTASE 23 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-23KD) (CI-23KD).	swissprot Q12644	ND
143	1208.5	HEAT SHOCK PROTEIN 90 HOMOLOG (SUPPRESSOR OF VEGETATIVE INCOMPATIBILITY MOD-E).	swissprot O43109	Posttranslational modification, protein turnover, chaperones
144	1208.2	ATP-DEPENDENT BILE ACID PERMEASE.	swissprot P32386	ND
145	1206.4	14-3-3 PROTEIN HOMOLOG (TH1433).	swissprot Q99002	ND
146	1206.4	AMINOTRANSFERASE 412	pdb 1YAA	ND

161	1166.6	HNRNP ARGININE N-METHYLTRANSFERASE (EC 2.1.1.-) (ODP1 PROTEIN).	swissprot P38074	ND
162	1160.6	VACUOLAR PROTEASE A PRECURSOR (EC 3.4.23.-).	swissprot Q01294	ND
163	1160.4	PLASMA MEMBRANE ATPASE (EC 3.6.1.35) (PROTON PUMP).	swissprot P07038	ND
164	1156.7	ISOCITRATE DEHYDROGENASE [NADP], MITOCHONDRIAL PRECURSOR (EC 1.1.1.42) (OXALOSUCCINATE DECARBOXYLASE) (IDH) (NADP+-SPECIFIC ICDH) (IDP).	swissprot P79089	Energy production and conversion
165	1150.9	40S RIBOSOMAL PROTEIN S2 (S4) (YS5) (RP12) (OMNIPOTENT SUPPRESSOR PROTEIN SUP44).	swissprot P25443	ND
166	1149.4	CRO1 PROTEIN.	sptrembl O42829	ND
167	1147.5	RIBOSOMAL PROTEIN L13A.	tremblnew AAD54383	ND
168	1143.0	MITOCHONDRIAL PHOSPHATE CARRIER PROTEIN (PHOSPHATE TRANSPORT PROTEIN) (PTP) (MITOCHONDRIAL IMPORT RECEPTOR) (P32).	swissprot P23641	ND
170	1136.4	LONG-CHAIN-FATTY-ACID--COA LIGASE 2 (EC 6.2.1.3) (LONG-CHAIN ACYL-COA SYNTHETASE 2) (FATTY ACID ACTIVATOR 2).	swissprot P39518	Lipid metabolism
171	1136.2	B. bassiana POPS reductase protein.	geneseqp Y33673	Inorganic ion transport and metabolism
173	1135.0	CPC3 PROTEIN.	sptrembl O74297	ND
174	1131.1	LINOLEATE DIOL SYNTHASE PRECURSOR.	tremblnew AAD49559	ND
175	1129.3	HYPOTHETICAL 68.3 KD PROTEIN.	sptrembl Q03195	ND
176	1127.7	ISOCITRATE LYASE (EC 4.1.3.1) (ISOCITRASE) (ISOCITRATASE) (ICL).	swissprot P28299	Energy production and conversion
177	1125.6	PUTATIVE CASEIN KINASE II CATALYTIC SUBUNIT.	sptrembl O64816	Signal transduction mechanisms
178	1124.8	PUTATIVE PHOSPHATIDYLINOSITOL-KINASE (FRAGMENT).	sptrembl Q9Y7K2	ND
179	1119.1	PHOSPHOGLYCERATE KINASE (EC 2.7.2.3).	swissprot P24590	ND
180	1118.8	NADH-UBIQUINONE OXIDOREDUCTASE 20.8 KD SUBUNIT (EC 1.6.5.3) (EC	swissprot P21976	ND

		1.6.99.3).		
181	1117.8	PROTEIN PHOSPHOTASE 2A 65KD REGULATORY SUBUNIT (A SUBUNIT).	sptrembl Q10293	ND
182	1117.6	Peptide transport protein ATPTR2Ap.	geneseqp R84891	ND
183	1115.8	FREQUENCY CLOCK PROTEIN.	swissnew Q00586	ND
184	1114.9	60S RIBOSOMAL PROTEIN L11 (L16) (YL16) (39A) (RP39).	swissprot P06380	ND
185	1109.0	S. brevicaulis beta-fructofuranosidase protein sequence.	geneseqp Y05278	ND
186	1104.2	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX CORE PROTEIN 2 PRECURSOR (EC 1.10.2.2).	swissprot O60044	ND
187	1101.6	NAD-SPECIFIC GLUTAMATE DEHYDROGENASE (EC 1.4.1.2) (NAD-GDH) (FRAGMENTS).	swissprot P00365	Amino acid transport and metabolism
188	1100.9	PUTATIVE MITOCHONDRIAL CARRIER PROTEIN YHM1/SHM1.	swissprot P38988	ND
189	1096.7	CYCLOPHILIN (EC 5.2.1.8).	sptrembl O93826	ND
190	1096.0	THIOREDOXIN REDUCTASE (EC 1.6.4.5).	swissprot P51978	ND
191	1092.3	40S RIBOSOMAL PROTEIN S5 (FRAGMENT).	sptrembl O65731	ND
192	1091.5	HEAT SHOCK PROTEIN 90 HOMOLOG (SUPPRESSOR OF VEGETATIVE INCOMPATIBILITY MOD-E).	swissprot O43109	Posttranslational modification, protein turnover, chaperones
193	1090.3	40S RIBOSOMAL PROTEIN S15 (S12).	swissprot P34737	Translation, ribosomal structure and biogenesis
194	1085.4	MALATE SYNTHASE, GLYOXYSOMAL (EC 4.1.3.2).	swissnew P28344	ND
195	1085.1	N. crassa mtr gene product.	geneseqp R79909	ND
196	1081.1	60S RIBOSOMAL PROTEIN L8 (L7A) (L4).	swissprot O13672	ND
197	1080.8	MITOGEN-ACTIVATED PROTEIN KINASE KINASE CPK1.	sptrembl O93876	Signal transduction mechanisms
198	1080.3	CORONIN-LIKE PROTEIN.	swissprot O13923	ND
199	1078.7	PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.	swissprot Q03532	DNA replication, recombination and repair
200	1078.1	UBI1.	tremblnew AAF24230	ND

201	1077.3	60S RIBOSOMAL PROTEIN L7-C.	swissprot O60143	ND
202	1076.8	40S RIBOSOMAL PROTEIN S7.	swissprot O43105	ND
203	1076.3	CHROMOSOME XII COSMID 9470.	sptrembl Q06287	ND
204	1072.5	SERINE/THREONINE PROTEIN KINASE FSK (FRAGMENT).	sptrembl Q00875	Signal transduction mechanisms
205	1066.5	RIBOSOMAL PROTEIN S28.	tremblnew CAB56815	ND
206	1064.5	STRESS-RESPONSIVE GENE PRODUCT.	tremblnew BAA85305	ND
208	1063.3	TOM70 GENE.	sptrembl O13499	ND
209	1056.9	TUBULIN BETA CHAIN.	swissprot O42786	ND
210	1056.2	NADP-SPECIFIC GLUTAMATE DEHYDROGENASE (EC 1.4.1.4) (NADP-GDH).	swissprot P00369	ND
211	1056.0	PHOSPHORIBOSYLAMIDOI MIDAZOLE-SUCCINOCARBOXAMIDE SYNTHASE, SAICAR SYNTHETASE.	tremblnew CAB52612	Nucleotide transport
212	1054.7	ADENYLATE KINASE CYTOSOLIC (EC 2.7.4.3) (ATP-AMP TRANSPHOSPHORYLASE).	swissprot P07170	Nucleotide transport
213	1051.1	LPG22P.	sptrembl Q02908	Transcription
214	1046.3	ADENOSINE-5'PHOSPHOSULFATE KINASE (EC 2.7.1.25) (ADENYLYLSULFATE KINASE) (APS KINASE).	sptrembl Q12657	ND
215	1045.7	HYPOTHETICAL 34.2 KD PROTEIN IN CUS1-RPL20A INTERGENIC REGION.	swissprot Q04013	ND
216	1045.0	RAS-RELATED PROTEIN RAB6.	tremblnew AAD25535	ND
217	1044.8	40S RIBOSOMAL PROTEIN S17 (CRP3).	swissprot P27770	ND
218	1039.9	CLATHRIN HEAVY CHAIN.	swissprot P22137	ND
219	1039.8	KINESIN.	sptrembl P78718	ND
220	1038.9	VACUOLAR ASPARTIC PROTEASE PRECURSOR.	sptrembl O42630	ND
221	1036.7	TUBULIN ALPHA-A CHAIN.	swissprot P38668	ND
222	1035.8	PROBABLE GYP7 PROTEIN (FRAGMENT).	swissprot P09379	ND
223	1035.7	PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE) (MULTIFUNCTIONAL BETA-OXIDATION PROTEIN) (MFP) [INCLUDES: 2-ENOYL-COA	swissnew Q01373	ND

		HYDRATASE (EC 4.2.1.-); D-3-HYDROXYACYL COA DEHYDROGENASE (EC 1.1.1.-)].		
224	1035.5	SEPTIN HOMOLOG SPN2.	tremblnew CAB57440	ND
225	1032.1	MYO-INOSITOL 1-PHOSPHATE SYNTHASE (EC 5.5.1.4).	sptrembl O65196	Lipid metabolism
226	1031.5	GAMMA-ACTIN.	tremblnew AAF00008	Cell division and chromosome partitioning
227	1031.2	PHOSPHO-2-DEHYDRO-3-DEOXYHEPTONATE ALDOLASE, TYROSINE-INHIBITED (EC 4.1.2.15) (PHOSPHO-2-KETO-3-DEOXYHEPTONATE ALDOLASE) (DAHP SYNTHETASE) (3-DEOXY-D-ARABINO-HEPTULOSONATE 7-PHOSPHATE SYNTHASE).	swissprot P32449	Amino acid transport and metabolism
228	1026.8	PUTATIVE CALCIUM P-TYPE ATPASE (FRAGMENT).	tremblnew CAB65295	Inorganic ion transport and metabolism
229	1026.3	60S RIBOSOMAL PROTEIN L2.	sptrembl O94253	ND
230	1026.2	CU-ZN SUPEROXIDE DISMUTASE.	sptrembl O94178	ND
231	1024.2	CARBOXY-CIS,CIS-MUCONATE CYCLASE (EC 5.5.1.5) (3-CARBOXY-CIS,CIS- MUCONATE LACTONIZING ENZYME) (CMLE).	swissprot P38677	ND
232	1020.5	PRP12P/SAP130.	tremblnew BAA86918	ND
233	1020.1	26S PROTEASE REGULATORY SUBUNIT 6B HOMOLOG.	swissprot P78578	Posttranslational modification, protein turnover, chaperones
234	1019.3	NADH-UBIQUINONE OXIDOREDUCTASE 40 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-40KD) (CI-40KD).	swissprot P25284	ND
235	1017.4	GLUCOSE-6-PHOSPHATE 1-DEHYDROGENASE (EC 1.1.1.49) (G6PD).	swissprot P48826	Carbohydrate transport and metabolism
236	1012.5	HEXOKINASE (EC 2.7.1.1).	sptrembl O93964	ND
237	1008.0	60S RIBOSOMAL PROTEIN L12.	swissprot P23358	ND
238	1007.8	POP3, A WD REPEAT PROTEIN.	tremblnew CAB57925	ND
239	1007.4	14-3-3 PROTEIN HOMOLOG	swissprot Q99002	ND

		(TH1433).		
240	1007.4	TRICHODIENE SYNTHASE (EC 4.1.99.6) (SESQUITERPENE CYCLASE) (TS).	swissprot P27679	ND
241	1004.9	PUTATIVE PROTEOSOME COMPONENT C6G10.04C (EC 3.4.99.46) (MACROPAIN SUBUNIT C6G10.04C) (PROTEINASE YSCE SUBUNIT C6G10.04C) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C6G10.04C).	sptrembl O14250	ND
242	1001.3	YME1 PROTEIN (EC 3.4.24.-) (TAT-BINDING HOMOLOG 11) (OSD1 PROTEIN).	swissprot P32795	Posttranslational modification, protein turnover, chaperones
243	1000.7	SERINE/THREONINE PROTEIN KINASE.	sptrembl Q99012	Signal transduction mechanisms
244	996.2	INTRACELLULAR METALLOPROTEINASE MEPB.	sptrembl P97996	Amino acid transport and metabolism
245	995.1	NADH-UBIQUINONE OXIDOREDUCTASE 30.4 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-30KD) (CI- 31KD).	swissprot P23710	ND
246	990.8	GENERAL AMINO-ACID PERMEASE GAP1.	swissprot P19145	Amino acid transport and metabolism
247	986.5	SULPHUR METABOLITE REPRESSION REGULATION PROTEIN SCONCP.	sptrembl Q92229	ND
248	985.2	DOLICHOL-PHOSPHATE MANNOSYLTRANSFERASE (EC 2.4.1.83) (DOLICHOL- PHOSPHATE MANNOSE SYNTHASE) (DOLICHYL- PHOSPHATE BETA-D- MANNOSYLTRANSFERASE).	sptrembl O14466	Cell envelope biogenesis, outer membrane
250	983.7	ARI PROTEIN.	sptrembl Q94981	ND
253	979.4	40S RIBOSOMAL PROTEIN S13 (S15).	swissprot P33192	ND
254	979.4	PROBABLE SUCCINYL- COA LIGASE [GDP- FORMING] ALPHA-CHAIN, MITOCHONDRIAL PRECURSOR (EC 6.2.1.4) (SUCCINYL-COA SYNTHETASE, ALPHA CHAIN) (SCS- ALPHA).	swissprot O13750	ND
255	976.7	40S RIBOSOMAL PROTEIN	swissprot P27073	ND

		S19 (S16).		
256	976.2	40S RIBOSOMAL PROTEIN S14 (CRP2).	swissprot P19115	ND
257	975.8	SUPEROXIDE DISMUTASE PRECURSOR (EC 1.15.1.1).	sptrembl Q9Y783	ND
258	974.3	40S RIBOSOMAL PROTEIN S8 (S14) (YS9) (RP19).	swissprot P05754	ND
259	972.5	Cystathionine gamma lyase.	geneseqp R66223	Amino acid transport and metabolism
260	966.7	AMINO-ACID PERMEASE INDA1.	swissprot P34054	Amino acid transport and metabolism
261	965.2	78 KD GLUCOSE-REGULATED PROTEIN HOMOLOG PRECURSOR (GRP 78) (IMMUNOGLOBULIN HEAVY CHAIN BINDING PROTEIN HOMOLOG) (BIP).	swissnew P78695	Posttranslational modification, protein turnover, chaperones
262	965.1	PHOSPHOGLUCOMUTASE.	sptrembl O74374	ND
263	964.1	CALMODULIN.	sptrembl O93930	ND
264	962.0	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 ALPHA SUBUNIT (EIF-2- ALPHA).	swissprot P20459	Translation, ribosomal structure and biogenesis
265	961.7	S-ADENOSYLMETHIONINE SYNTHETASE (EC 2.5.1.6) (METHIONINE ADENOSYLTRANSFERASE) (ADOMET SYNTHETASE).	swissprot P48466	ND
266	960.7	PROBABLE UTP--GLUCOSE-1-PHOSPHATE URIDYLTRANSFERASE.	tremblnew CAA22857	ND
267	959.5	PRPD PROTEIN.	swissprot P77243	ND
268	957.8	TRANSMEMBRANE PROTEIN.	tremblnew CAB65007	ND
269	955.2	HYPOTHETICAL 63.5 KD PROTEIN.	sptrembl O74965	ND
270	954.6	Aspergillus niger trehalose synthase.	geneseqp W49027	Carbohydrate transport and metabolism
271	954.6	SERINE/THREONINE-PROTEIN KINASE STE20 (EC 2.7.1.-).	swissnew Q03497	Signal transduction mechanisms
272	952.4	HYPOTHETICAL 55.8 KD PROTEIN.	tremblnew CAB63552	ND
273	949.3	40S RIBOSOMAL PROTEIN S11 (S18) (YS12) (RP41).	swissprot P26781	ND
274	949.1	HYPOTHETICAL 44.3 KD PROTEIN C1F7.07C IN CHROMOSOME I.	swissprot Q09919	Inorganic ion transport and metabolism
275	947.0	60S RIBOSOMAL PROTEIN L27A (L29).	swissprot P78987	Translation, ribosomal structure and biogenesis

276	946.1	OXIDOREDUCTASE (H2O2(A)) 293 aa	pdb 2CYP	ND
277	944.5	HYPOTHETICAL 22.1 KD PROTEIN IN CCP1-MET1 INTERGENIC REGION.	swissprot P36149	ND
278	944.4	PROTEASOME SUBUNIT YC7-ALPHA.	tremblnew CAA40292	ND
279	943.8	SERINE/THREONINE PROTEIN KINASE.	sptrembl O42795	Signal transduction mechanisms
280	942.9	CYTOCHROME C1, HEME PROTEIN PRECURSOR.	swissprot P07142	ND
281	942.6	Yeast ribosomal protein S7.	geneseqp W36115	Translation, ribosomal structure and biogenesis
282	938.9	FIMBRIN.	sptrembl O93981	ND
283	934.4	PUTATIVE CHOLINEPHOSPHATE CYTIDYLYLTRANSFERASE.	tremblnew CAA19310	ND
284	930.5	40S RIBOSOMAL PROTEIN S12.	sptrembl O59936	ND
285	929.6	REHYDRIN-LIKE PROTEIN.	sptrembl O94014	Posttranslational modification, protein turnover, chaperones
286	928.1	PROTEASOME COMPONENT PRE3 PRECURSOR (EC 3.4.99.46) (MACROPAIN SUBUNIT PRE3) (PROTEINASE YSCE SUBUNIT PRE3) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PRE3).	swissnew P38624	Posttranslational modification, protein turnover, chaperones
287	927.7	CARBOXYPEPTIDASE CPDS PRECURSOR (EC 3.4.16.-).	swissprot P52719	ND
288	927.2	PROBABLE PHOSPHATIDYLINOSITOL- 4-PHOSPHATE 5-KINASE FAB1 (EC 2.7.1.68) (1- PHOSPHATIDYLINOSITOL- 4-PHOSPHATE KINASE) (PIP5K) (PTDINS(4)P-5- KINASE) (DIPHOSPHOINOSITIDE KINASE).	swissprot P34756	ND
289	926.2	40S RIBOSOMAL PROTEIN S18.	swissprot P35271	ND
290	925.6	GLUTATHIONE- DEPENDENT FORMALDEHYDE DEHYDROGENASE (EC 1.2.1.1) (FDH) (FALDH).	swissprot Q06099	ND
291	925.2	PROTEIN PHOSPHATASE 2A DELTA (B'')	sptrembl O00494	ND

		REGULATORY SUBUNIT, DELTA3 ISOFORM (B").		
292	924.5	MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (MPG1 TRANSFERASE) (ATP-MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE)	sptrembl O74624	Cell envelope biogenesis, outer membrane
293	924.2	HYPOTHETICAL 39.3 KD PROTEIN C31G5.04 IN CHROMOSOME I.	sptrembl O14104	Amino acid transport and metabolism
294	921.8	60S RIBOSOMAL PROTEIN L20 (L18A).	swissprot P47913	ND
295	917.7	BETAINE ALDEHYDE DEHYDROGENASE (EC 1.2.1.8) (BADH).	swissprot P17445	Energy production and conversion
296	917.3	V-TYPE ATPASE SUBUNIT C'.	sptrembl Q9Y874	Energy production and conversion
297	916.8	60S RIBOSOMAL PROTEIN L23 (L17).	swissprot P04451	ND
298	915.2	Amino acid sequence of a maltogenic alpha amylase.	geneseq Y30621	ND
299	914.1	PUTATIVE 20KDA SUBUNIT OF THE V-ATPASE.	sptrembl P87252	ND
300	914.0	OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN.	swissprot P07144	ND
301	913.0	UTP-AMMONIA LIGASE.	sptrembl O74638	Nucleotide transport
302	912.2	CYCLIN-DEPENDENT PROTEIN KINASE.	sptrembl Q9Y8B7	Signal transduction mechanisms
303	910.8	HYPOTHETICAL 57.0 KD TRP-ASP REPEATS CONTAINING PROTEIN IN CPR4-SSK22 INTERGENIC REGION.	swissprot P25382	ND
304	907.8	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT (EC 3.6.1.34).	swissprot P31413	Energy production and conversion
305	907.4	40S RIBOSOMAL PROTEIN S26E (CRP5) (13.6 KD RIBOSOMAL PROTEIN).	swissprot P21772	ND
306	907.4	PUTATIVE 30.7 KD METHYLTRANSFERASE IN TSM1-ARE1 INTERGENIC REGION.	swissprot P25627	ND
307	906.5	PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE) (MULTIFUNCTIONAL BETA-OXIDATION	swissnew Q01373	ND

		PROTEIN) (MFP) [INCLUDES: 2-ENOYL-COA HYDRATASE (EC 4.2.1.-); D- 3-HYDROXYACYL COA DEHYDROGENASE (EC 1.1.1.-)].		
308	905.6	HISTONE H2A.	swissprot P08844	ND
309	905.0	PUTATIVE SEC14 CYTOSOLIC FACTOR (PHOSPHATIDYLINOSITOL/ PHOSPHATIDYL- CHOLINE TRANSFER PROTEIN) (PI/PC TP).	swissprot Q10137	ND
310	903.7	PUTATIVE UBIQUITIN FUSION DEGRADATION PROTEIN (FRAGMENT).	tremblnew CAA22594	ND
311	902.0	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB54867	Translation, ribosomal structure and biogenesis
312	901.5	FK506-BINDING PROTEIN PRECURSOR (FKBP-21) (PEPTIDYL-PROLYL CIS- TRANS ISOMERASE) (PPIASE) (EC 5.2.1.8).	swissprot O60046	Posttranslational modification, protein turnover, chaperones
313	901.0	PUTATIVE COATOMER BETA SUBUNIT (FRAGMENT).	sptrembl O74812	ND
314	900.5	Human aflatoxin B1 aldehyde reductase.	geneseqp Y24920	ND
316	898.6	HISTIDYL-TRNA SYNTHETASE.	sptrembl O43011	Translation, ribosomal structure and biogenesis
317	897.7	CHITIN SYNTHASE 3 (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE 3) (CLASS- III CHITIN SYNTHASE 3).	swissprot P29070	ND
318	894.2	PROBABLE T-COMPLEX PROTEIN 1, BETA SUBUNIT (TCP-1-BETA) (CCT-BETA).	swissprot Q10147	Posttranslational modification, protein turnover, chaperones
319	893.0	ISOCITRATE LYASE (EC 4.1.3.1) (ISOCITRASE) (ISOCITRATASE) (ICL).	swissprot P28299	Energy production and conversion
320	892.9	EIF-5A.	sptrembl O94083	ND
321	891.6	40S RIBOSOMAL PROTEIN S22 (S15A) (YS24).	swissprot P33953	ND
322	889.1	CUTINASE TRANSCRIPTION FACTOR 1 BETA.	swissprot P52959	ND
323	886.6	ORNITHINE CARBAMOYLTRANSFERAS E PRECURSOR (EC 2.1.3.3) (OTCASE) (ORNITHINE TRANSCARBAMYLASE).	swissprot P11803	Amino acid transport and metabolism

324	885.1	PUTATIVE ARP2/3 COMPLEX 41KD SUBUNIT.	tremblnew CAA70202	ND
325	885.0	LEUCYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.4) (LEUCINE--TRNA LIGASE) (LEURS).	swissprot P10857	ND
326	883.2	3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (EC 1.1.1.34) (HMG- COA REDUCTASE).	swissnew Q12577	ND
327	882.6	GLYCOSYLTRANSFERASE 858 aa, chain A+B	pdb 1YGP	Carbohydrate transport and metabolism
328	880.5	MINOR ALLERGEN ALT A 7 (ALT A VII).	swissprot P42058	ND
329	879.0	CARBON CATABOLITE REPRESSION REGULATOR.	sptrembl O94131	ND
330	876.4	PDI RELATED PROTEIN A.	sptrembl O93914	Energy production and conversion
331	874.2	ELONGATION FACTOR TU, MITOCHONDRIAL PRECURSOR.	swissprot P02992	Amino acid transport and metabolism
332	872.7	RAS-LIKE PROTEIN.	swissprot O42785	ND
333	870.4	SEVERIN KINASE.	sptrembl O61122	Signal transduction mechanisms
334	869.8	HYPOTHETICAL 65.3 KD PROTEIN IN MAD1-SCY1 INTERGENIC REGION.	swissprot P53154	Cell envelope biogenesis, outer membrane
335	868.3	T-COMPLEX PROTEIN 1, DELTA SUBUNIT (TCP-1-DELTA) (CCT-DELTA) (STIMULATOR OF TAR RNA BINDING).	swissprot P50991	Posttranslational modification, protein turnover, chaperones
336	867.2	HISTONE H3.	swissprot P07041	ND
337	865.7	UBIQUITIN-CONJUGATING ENZYME E2 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	sptrembl O76069	ND
338	863.9	60S RIBOSOMAL PROTEIN L19 (L23) (YL14) (RP33) (RP15L).	swissprot P05735	Translation, ribosomal structure and biogenesis
339	863.3	MRNA CLEAVAGE FACTOR I 25 KDA SUBUNIT.	sptrembl O43809	ND
340	862.1	PROTEIN PHOSPHATASE-1.	tremblnew AAD47567	ND
341	861.8	PROHIBITIN (FRAGMENT).	sptrembl O13357	Posttranslational modification, protein turnover, chaperones

		COMPONENT BETA SUBUNIT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.1) (PDHE1-B).		conversion
365	840.2	BETA-GLUCOSIDASE PRECURSOR (EC 3.2.1.21) (GENTOBIASE) (CELLOBIASE) (AMYGDALASE).	sptrembl Q12601	ND
366	839.4	PUTATIVE FAMILY-31 GLUCOSIDASE.	tremblnew CAB65603	Carbohydrate transport and metabolism
367	838.8	NONSENSE-MEDIATED MRNA DECAY PROTEIN 3.	swissprot P38861	Transcription
368	837.9	HEAT SHOCK PROTEIN SSC1, MITOCHONDRIAL PRECURSOR (ENDONUCLEASE SCEI 75 KD SUBUNIT).	swissprot P12398	Posttranslational modification, protein turnover, chaperones
369	837.0	GLUTAMATE SYNTHASE [NADPH] PRECURSOR (EC 1.4.1.13) (NADPH-GOGAT).	swissnew Q12680	ND
370	836.5	TRANSMEMBRANE TRANSPORTER LIZ1P.	sptrembl O43000	ND
371	836.2	FRUCTOSE-BISPHOSPHATE ALDOLASE (EC 4.1.2.13).	swissprot P36580	Carbohydrate transport and metabolism
372	835.8	TRICHODIENE OXYGENASE (EC 1.14.-.-) (CYTOCHROME P450 58).	swissprot Q12612	ND
373	834.7	HEXOKINASE (EC 2.7.1.1).	sptrembl O93964	ND
374	834.3	PROBABLE ACETYL-COA HYDROLASE.	tremblnew CAB52573	Energy production and conversion
375	833.0	HYPOTHETICAL 57.3 KD TRP-ASP REPEATS CONTAINING PROTEIN IN POM152- REC114 INTERGENIC REGION.	swissprot Q04225	ND
376	832.9	26S PROTEASE REGULATORY SUBUNIT 7 HOMOLOG.	tremblnew CAA16915	ND
377	831.6	GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT.	swissprot O14435	ND
378	831.5	SYMBIOSIS-RELATED PROTEIN.	swissprot P87068	ND
379	831.0	CHAPERONIN HSP78P.	sptrembl O74402	Posttranslational modification, protein turnover, chaperones
380	830.0	60S RIBOSOMAL PROTEIN L9-B (L8) (YL11) (RP25).	swissprot P51401	ND
381	829.2	CLATHRIN COAT ASSEMBLY PROTEIN.	sptrembl Q9Y7L6	ND

382	828.7	PROBABLE T-COMPLEX PROTEIN 1, ETA SUBUNIT (TCP-1-ETA) (CCT-ETA).	swissprot P87153	Posttranslational modification, protein turnover, chaperones
383	827.2	HYPOTHETICAL 49.6 KD PROTEIN IN ELM1-PRI2 INTERGENIC REGION.	swissprot P36091	ND
384	826.9	CLATHRIN COAT ASSEMBLY PROTEIN AP19 (CLATHRIN COAT ASSOCIATED PROTEIN AP19) (GOLGI ADAPTOR AP-1 19 KD ADAPTIN) (HA1 19 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN COMPLEX 1 SMALL CHAIN).	swissprot P56377	ND
385	826.6	NUCLEAR MOVEMENT PROTEIN NUDC.	swissprot P17624	ND
386	825.8	SERINE/THREONINE-PROTEIN KINASE NRC-2 (EC 2.7.1.-) (NONREPRESSIBLE CONIDIATION PROTEIN 2).	swissprot O42626	ND
387	824.9	PUTATIVE HOMOSERINE O-ACETYLTRANSFERASE.	sptrembl O13389	ND
388	824.3	SERINE PROTEASE PRECURSOR.	sptrembl O74236	Posttranslational modification, protein turnover, chaperones
389	823.9	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 GAMMA SUBUNIT (EIF-2- GAMMA).	swissprot P32481	Amino acid transport and metabolism
390	823.1	PSU1.	tremblnew BAA83907	ND
391	822.5	GLUTAMIC ACID DECARBOXYLASE.	tremblnew BAA88152	Amino acid transport and metabolism
392	820.8	CHROMOSOME XV READING FRAME ORF YOR091W.	sptrembl Q12000	ND
393	820.2	HYPOTHETICAL 22.4 KD PROTEIN.	sptrembl O13610	ND
394	819.7	CYTOCHROME C549.	tremblnew BAA85768	ND
395	818.8	40S RIBOSOMAL PROTEIN S16 (RP61R).	swissprot P40213	ND
397	817.5	CALNEXIN (FRAGMENT).	sptrembl Q41798	ND
398	816.8	PROBABLE UTP--GLUCOSE-1-PHOSPHATE URIDYLTRANSFERASE (EC 2.7.7.9) (UDP-GLUCOSE PYROPHOSPHORYLASE) (UDPGP) (UGPASE) (FRAGMENT).	swissprot P78811	ND
399	814.6	BRANCHING ENZYME.	sptrembl	Carbohydrate

			Q9Y8H3	transport and metabolism
400	814.1	HEAT SHOCK PROTEIN SSC1, MITOCHONDRIAL PRECURSOR (ENDONUCLEASE SCEI 75 KD SUBUNIT).	swissprot P12398	Posttranslational modification, protein turnover, chaperones
401	813.9	BENZOATE 4-MONOOXYGENASE (EC 1.14.13.12) (BENZOATE-PARA-HYDROXYLASE) (CYTOCHROME P450 53).	swissnew P17549	ND
402	811.4	TRANSKETOLASE (EC 2.2.1.1) (TK).	swissprot Q12630	Carbohydrate transport and metabolism
403	811.2	PROBABLE SERINE/THREONINE-PROTEIN KINASE C1D4.11C (EC 2.7.1.-).	swissprot Q10156	ND
404	811.0	HAPC.	sptrembl O59848	DNA replication, recombination and repair
405	810.6	SULFITE OXIDASE PRECURSOR (EC 1.8.3.1).	swissprot Q07116	ND
406	809.6	BETA-ADAPTIN (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN BETA SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 BETA LARGE CHAIN) (AP105B).	swissprot P21851	ND
407	809.6	Murine RENT1 protein.	geneseqp W36509	DNA replication, recombination and repair
408	809.5	HYPOTHETICAL 69.9 KD PROTEIN IN MIC1-SRB5 INTERGENIC REGION.	swissprot P53261	ND
409	808.8	Ester hydrolase protein encoded by rec 511 gene.	geneseqp R44609	ND
410	807.7	PUTATIVE SACCHAROPINE DEHYDROGENASE.	sptrembl O59711	Amino acid transport and metabolism
411	807.2	PROTEIN TRANSPORT PROTEIN SEC13.	swissprot P53024	ND
412	807.0	HISTONE H4.	swissprot P04914	DNA replication, recombination and repair
413	806.7	RHO3 PROTEIN.	swissprot Q00245	ND
414	805.6	TRANSLATIONALLY CONTROLLED TUMOR PROTEIN HOMOLOG (TCTP).	swissprot P35691	ND
415	805.5	PROBABLE ATP-DEPENDENT PERMEASE PRECURSOR.	swissprot P25371	ND
416	805.0	NATURAL KILLER CELL ENHANCING FACTOR.	sptrembl O93241	Posttranslational modification,

				protein turnover, chaperones
417	804.9	HYPOTHETICAL 61.8 KD PROTEIN C12B10.03 IN CHROMOSOME I.	swissprot Q10437	ND
418	803.1	ALPHA-MANNOSIDASE.	sptrembl O13344	Carbohydrate transport and metabolism
419	800.6	UBIQUITIN.	sptrembl Q9Y736	ND
420	800.3	ACETYL-COA ACETYLTRANSFERASE.	tremblnew CAA22123	Lipid metabolism
421	800.1	VANADATE RESISTANCE PROTEIN GOG5/VRG4/VAN2.	swissprot P40107	ND
422	799.0	HISTONE H4.	swissprot P04914	ND
423	797.3	CARNITINE ACETYL TRANSFERASE FACC.	sptrembl O13363	ND
424	795.3	EBURICOL 14 ALPHA- DEMETHYLASE.	tremblnew AAF18469	ND
425	795.1	HYPOTHETICAL 45.2 KD GTP-BINDING PROTEIN IN TRX1-ZPR1 INTERGENIC REGION.	swissprot P42942	ND
426	793.9	26S PROTEASOME REGULATORY SUBUNIT MTS4 (19S REGULATORY CAP REGION OF 26S PROTEASE SUBUNIT 2).	swissprot P87048	ND
427	792.2	OLIGOSACCHARYLTRANS FERASE SUBUNIT.	sptrembl Q9Y716	ND
428	792.0	PROBABLE METHYLMALONATE- SEMIALDEHYDE DEHYDROGENASE [ACYLATING] PRECURSOR (EC 1.2.1.27) (MMSDH).	swissprot P52713	Energy production and conversion
429	791.6	NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT SUPPRESSOR 1).	swissprot P30771	DNA replication, recombination and repair
430	791.4	Murine Int6 protein associated with MMTV integration and tumour growth.	geneseqp W02113	ND
431	789.7	SULFUR METABOLITE REPRESSION CONTROL PROTEIN.	swissprot Q00659	ND
432	788.3	RRNA BIOGENESIS PROTEIN RRP5.	swissprot Q05022	ND
433	787.5	PUTATIVE POTASSIUM CHANNEL SUBUNIT.	sptrembl O59826	Energy production and conversion
434	787.2	40S RIBOSOMAL PROTEIN S26E (CRP5) (13.6 KD RIBOSOMAL PROTEIN).	swissprot P21772	ND

435	786.8	ELONGATION FACTOR 1-BETA (EF-1-BETA) (P30).	swissprot P30151	ND
436	786.6	METHIONYL-TRNA SYNTHETASE-LIKE PROTEIN.	tremblnew CAB36842	Translation, ribosomal structure and biogenesis
437	786.4	Mutant Aspergillus oryzae DEBY1058 rescued locus.	geneseqp W37993	ND
438	781.2	GLUTAMATE--CYSTEINE LIGASE CATALYTIC SUBUNIT (EC 6.3.2.2) (GAMMA-GLUTAMYL-CYSTEINE SYNTHETASE) (GAMMA-ECS) (GCS HEAVY CHAIN).	swissprot P19468	ND
439	781.2	60S RIBOSOMAL PROTEIN L17-A (YL17-A).	swissprot P05740	ND
440	780.5	IMPORTIN ALPHA SUBUNIT (KARYOPHERIN ALPHA SUBUNIT) (SERINE-RICH RNA POLYMERASE I SUPPRESSOR PROTEIN).	swissnew O14063	ND
441	780.4	UBIQUITIN-CONJUGATING ENZYME E2-28.4 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	swissprot P33296	ND
442	780.0	Corn SUG1 polypeptide.	geneseqp W97652	Posttranslational modification, protein turnover, chaperones
443	777.0	FIBRILLARIN (NUCLEOLAR PROTEIN 1).	swissprot P15646	ND
444	775.9	HYPOTHETICAL 33.9 KD PROTEIN.	sptrembl P78995	Amino acid transport and metabolism
445	774.0	NADPH-DEPENDENT ALDEHYDE REDUCTASE (EC 1.1.1.2) (ALCOHOL DEHYDROGENASE (NADP+)) (ALDEHYDE REDUCTASE (NADPH)).	sptrembl Q12707	ND
446	772.5	ATP SYNTHASE DELTA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34) (FRAGMENT).	swissnew P56525	ND
447	771.5	UBIQUITIN-CONJUGATING PROTEIN.	tremblnew AAD55983	ND
448	770.1	HYPOTHETICAL 23.6 KD PROTEIN C23C11.13C IN CHROMOSOME I.	swissprot O13917	ND
449	769.6	HYPOTHETICAL 68.5 KD PROTEIN.	sptrembl O60111	ND
450	768.7	UDP-N-ACETYLGLUCOSAMINE PYROPHOSPHORYLASE (EC	swissprot O74933	ND

		2.7.7.23).		
451	768.1	ALUMINIUM RESISTANCE PROTEIN 2.	swissprot P43553	Inorganic ion transport and metabolism
452	765.4	VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE) (LEUCINE AMINOPEPTIDASE IV) (LAPIV) (AMINOPEPTIDASE III) (AMINOPEPTIDASE YSCI).	swissprot P14904	Amino acid transport and metabolism
453	764.2	NUCLEOSOME ASSEMBLY PROTEIN.	sptrembl O59797	ND
454	763.6	HYPOTHETICAL 107.9 KD PROTEIN IN POL4-SRD1 INTERGENIC REGION.	swissprot P25618	ND
455	762.7	GAL10 BIFUNCTIONAL PROTEIN [INCLUDES: UDP-GLUCOSE 4-EPIMERASE (EC 5.1.3.2) (GALACTOWALDENASE); ALDOSE 1-EPIMERASE (EC 5.1.3.3) (MUTAROTASE)].	swissprot P40801	Cell envelope biogenesis, outer membrane
456	761.4	REPLICATION PROTEIN.	swissprot P03858	ND
457	760.5	UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT, MITOCHONDRIAL PRECURSOR (EC 1.10.2.2) (RIESKE IRON-SULFUR PROTEIN) (RISP).	swissprot P07056	Energy production and conversion
458	759.8	POTENTIAL CAAX PRENYL PROTEASE 1 (EC 3.4.24.-) (PRENYL PROTEIN-SPECIFIC ENDOPROTEASE 1) (PPSEP 1).	swissprot Q10071	Posttranslational modification, protein turnover, chaperones
459	758.2	PUTATIVE MITOCHONDRIAL PHOSPHATE CARRIER PROTEIN.	tremblnew CAB55764	ND
460	757.5	31.1 KD PROTEIN IN DCM-SERU INTERGENIC REGION.	swissprot P31658	ND
461	757.3	BIFUNCTIONAL PURINE BIOSYNTHETIC PROTEIN ADE1 [INCLUDES: PHOSPHORIBOSYLAMINE--GLYCINE LIGASE (EC 6.3.4.13) (GARS) (GLYCINAMIDE RIBONUCLEOTIDE SYNTHETASE) (PHOSPHORIBOSYLGLYCIN AMIDE SYNTHETASE);	swissprot Q99148	Nucleotide transport

		PHOSPHORIBOSYLFORMYLGLYCINAMIDINE CYCLO-LIGASE (EC 6.3.3.1) (AIRS) (PHOSPHORIBOSYL-AMINOIMIDAZOLE SYNTHETASE) (AIR SYNTHASE)].		
462	757.2	PATHOGENICITY PROTEIN.	sptrembl O93846	ND
463	754.9	PUTATIVE DNA-DIRECTED RNA POLYMERASE III LARGEST SUBUNIT.	sptrembl O94666	Transcription
464	753.8	SECRETORY PATHWAY GDP DISSOCIATION INHIBITOR.	swissprot P39958	ND
465	752.6	GUANINE NUCLEOTIDE-BINDING PROTEIN ALPHA SUBUNIT.	swissprot O42784	ND
466	752.2	HYPOTHETICAL 22.7 KD PROTEIN.	sptrembl O60073	ND
467	749.7	ALLANTOINASE (EC 3.5.2.5).	swissprot P32375	Nucleotide transport
468	748.8	TRANSCRIPTION FACTOR TRI6.	tremblnew BAA83724	ND
469	748.3	Ribosomal protein L41.	geneseq R77658	Translation, ribosomal structure and biogenesis
470	748.0	RAN/SPI1 BINDING PROTEIN.	sptrembl Q09717	ND
471	746.4	MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (EC 3.4.24.64) (ALPHA-MPP).	swissprot P23955	ND
472	745.3	Human mammatatin amino acid sequence.	geneseq Y23756	ND
473	744.9	NADH-UBIQUINONE OXIDOREDUCTASE 21.3 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3).	swissprot P19968	ND
474	744.1	MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS).	swissprot P42800	Lipid metabolism
475	743.9	HYPOTHETICAL 61.3 KD PROTEIN CY369.29.	sptrembl P71838	ND
476	743.6	60S RIBOSOMAL PROTEIN L27-A..	tremblnew CAB39364	ND
477	741.1	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 GAMMA SUBUNIT (EIF-2- GAMMA).	swissprot P32481	Amino acid transport and metabolism
478	741.0	PROTEASOME COMPONENT PRE4 (EC 3.4.99.46) (MACROPAIN SUBUNIT PRE4) (PROTEINASE YSCE	swissprot P30657	ND

		SUBUNIT PRE4) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PRE4).		
479	740.3	MULTICATALYTIC PROTEINASE 222 aa, chain M+1	pdb 1RYP	ND
480	739.6	EPD1 PROTEIN PRECURSOR.	swissprot P56092	ND
481	738.3	PROBABLE GAMMA- GLUTAMYL PHOSPHATE REDUCTASE.	tremblnew CAB57445	Amino acid transport and metabolism
482	737.8	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB39853	ND
483	736.5	PROBABLE ARGININOSUCCINATE LYASE (EC 4.3.2.1) (ARGINOSUCCINASE) (ASAL).	swissprot P50514	Amino acid transport and metabolism
484	735.3	ANTHRANILATE SYNTHASE COMPONENT II (EC 4.1.3.27) [INCLUDES: GLUTAMINE AMIDOTRANSFERASE; INDOLE-3-GLYCEROL PHOSPHATE SYNTHASE (EC 4.1.1.48) (IGPS); N-(5'- PHOSPHORIBOSYL)ANTHR ANILATE ISOMERASE (EC 5.3.1.24) (PRAI)].	swissprot P00908	ND
485	734.4	ACONITATE HYDRATASE, MITOCHONDRIAL PRECURSOR (EC 4.2.1.3) (CITRATE HYDRO-LYASE) (ACONITASE).	swissprot O13966	Energy production and conversion
486	733.9	PROBABLE SUCCINYL- COA LIGASE [GDP- FORMING] BETA-CHAIN, MITOCHONDRIAL PRECURSOR (EC 6.2.1.4) (SUCCINYL-COA SYNTHETASE, BETA CHAIN) (SCS- BETA).	swissprot P53312	Energy production and conversion
487	732.9	Urate oxidase encoded by A.flavus-derived cDNA clone 9C.	geneseq R10222	ND
488	732.0	PUTATIVE PHOPHODIESTERASE - NUCLEOTIDE PYROPHOSPHATASE PRECURSOR.	sptrembl O94323	ND
489	731.2	CAMP-DEPENDENT PROTEIN KINASE REGULATORY CHAIN.	swissnew O14448	ND
490	730.2	K06A5.6 PROTEIN.	sptrembl O44549	Lipid metabolism
491	730.0	60S RIBOSOMAL PROTEIN	tremblnew	Translation,

		L21.	CAB44755	ribosomal structure and biogenesis
492	729.0	PUTATIVE ALANINE AMINOTRANSFERASE, MITOCHONDRIAL PRECURSOR (EC 2.6.1.2) (GLUTAMIC--PYRUVIC TRANSAMINASE) (GPT) (GLUTAMIC--ALANINE TRANSAMINASE).	swissprot P52893	ND
493	726.0	PUTATIVE NADH-CYTOCHROME B5 REDUCTASE.	sptrembl O74557	Coenzyme metabolism
494	725.9	CYTOCHROME C1, HEME PROTEIN PRECURSOR.	swissprot P07142	ND
495	725.2	HYPOTHETICAL 74.5 KD PROTEIN C4H3.03C IN CHROMOSOME I.	swissprot Q10211	ND
496	724.2	MITOCHONDRIAL PRECURSOR PROTEINS IMPORT RECEPTOR (72 KD MITOCHONDRIAL OUTER MEMBRANE PROTEIN) (MITOCHONDRIAL IMPORT RECEPTOR FOR THE ADP/ATP CARRIER) (TRANSLOCASE OF OUTER MEMBRANE TOM70).	swissprot P23231	ND
497	724.1	MITOCHONDRIAL RIBOSOMAL PROTEIN S24.	swissprot P08580	Translation, ribosomal structure and biogenesis
498	722.5	SPERMIDINE SYNTHASE.	sptrembl Q9Y8H7	Amino acid transport and metabolism
499	721.9	RNA BINDING PROTEIN.	sptrembl O60059	ND
500	721.0	RNA BINDING PROTEIN.	sptrembl O59800	ND
501	720.5	HYPOTHETICAL 60.7 KD PROTEIN C1B1.02C IN CHROMOSOME I.	sptrembl O13863	ND
502	718.8	P-TYPE ATPASE (FRAGMENT).	tremblnew CAB65297	Inorganic ion transport and metabolism
503	718.3	MNN9 PROTEIN.	swissprot P39107	ND
504	718.3	HISTONE H2B.	swissprot P23754	ND
505	717.6	HYPOTHETICAL 67.8 KD PROTEIN IN IKI1-ERG9 INTERGENIC REGION.	swissprot P38875	ND
506	716.6	BIFUNCTIONAL PURINE BIOSYNTHESIS PROTEIN ADE17 [INCLUDES: PHOSPHORIBOSYLAMINOI MIDAZOLECARBOXAMIDE FORMYLTRANSFERASE (EC 2.1.2.3) (AICAR TRANSFORMYLASE); IMP	swissprot P38009	Nucleotide transport

		CYCLOHYDROLASE (EC 3.5.4.10) (INOSINICASE) (IMP SYNTHETASE) (ATIC)].		
507	716.2	GABA PERMEASE.	sptrembl Q9Y860	Amino acid transport and metabolism
508	715.8	PUTATIVE MANNOSE-1-PHOSPHATE GAUNYL TRANSFERASE.	sptrembl O60064	ND
509	715.5	PUTATIVE CYSTINE-RICH TRANSCRIPTIONAL REGULATOR.	sptrembl O74853	ND
510	713.6	BETA-GLUCOSIDASE PRECURSOR (EC 3.2.1.21).	tremblnew AAF21242	ND
511	712.6	CHORISMATE MUTASE (EC 5.4.99.5).	sptrembl Q9Y7B2	ND
512	712.4	PROBABLE ATP-DEPENDENT TRANSPORTER YOL075C.	swissprot Q08234	ND
513	709.4	CYCLOPHILIN, MITOCHONDRIAL FORM PRECURSOR (EC 5.2.1.8).	sptrembl Q99009	Posttranslational modification, protein turnover, chaperones
514	709.2	ER-DERIVED VESICLES PROTEIN ERV14.	swissnew P53173	ND
515	707.3	PUTATIVE CALCIUM P-TYPE ATPASE (FRAGMENT).	tremblnew CAB65293	Inorganic ion transport and metabolism
516	705.7	RASP F 9 (FRAGMENT).	sptrembl O42800	ND
517	704.8	HYPOTHETICAL 20.9 KD PROTEIN.	sptrembl O94286	ND
518	704.7	COATOMER BETA SUBUNIT (BETA-COAT PROTEIN) (BETA-COP).	swissprot P23514	ND
519	702.9	MSH3 PROTEIN.	sptrembl O81818	DNA replication, recombination and repair
520	702.1	POTASSIUM-TRANSPORTING ATPASE ALPHA CHAIN (EC 3.6.1.36) (PROTON PUMP) (GASTRIC H ⁺ /K ⁺ ATPASE ALPHA SUBUNIT).	swissprot P19156	ND
521	702.0	PHOSPHATIDATE CYTIDYLYLTRANSFERASE (EC 2.7.7.41) (CDP-DIGLYCERIDE SYNTHETASE) (CDP-DIGLYCERIDE PYROPHOSPHORYLASE) (CDP-DIACYLGLYCEROL SYNTHASE) (CDS) (CTP:PHOSPHATIDATE CYTIDYLYLTRANSFERASE) (CDP-DAG SYNTHASE).	swissprot P38221	Lipid metabolism
522	701.7	VIRULENCE PROTEIN	sptrembl Q00368	ND

		CAP20.		
523	700.9	CHROMOSOME XII READING FRAME ORF YLR009W.	sptrembl Q07915	Translation, ribosomal structure and biogenesis
525	699.5	PUTATIVE YEAST CELL DIVISION CYCLE CDC50 HOMOLOG .	sptrembl O94568	ND
526	698.2	ACONITATE HYDRATASE, MITOCHONDRIAL PRECURSOR (EC 4.2.1.3) (CITRATE HYDRO-LYASE) (ACONITASE).	swissprot O13966	Energy production and conversion
527	695.7	PUTATIVE DELTA-1- PYROLINE-5- CARBOXYLATE DEHYDROGENASE.	sptrembl O74766	Energy production and conversion
528	694.5	GLUTATHIONE PEROXIDASE HYR1 (EC 1.11.1.9).	swissprot P40581	Posttranslational modification, protein turnover, chaperones
529	693.9	PROBABLE VACUOLAR SORTING PROTEIN C9G1.14C (FRAGMENT).	sptrembl O14309	ND
530	693.0	UBIQUITIN-CONJUGATING ENZYME E2-24 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	swissprot P21734	ND
531	692.8	CYTOCHROME C OXIDASE POLYPEPTIDE V PRECURSOR (EC 1.9.3.1).	swissprot P06810	ND
532	691.7	HYPOTHETICAL ZINC- TYPE ALCOHOL DEHYDROGENASE-LIKE PROTEIN IN PRE5-FET4 INTERGENIC REGION.	swissprot Q04894	ND
533	691.5	SECRETORY PATHWAY GDP DISSOCIATION INHIBITOR.	swissprot P39958	ND
534	690.1	GLUCAN SYNTHASE.	sptrembl Q9Y8B3	ND
535	689.7	SUPEROXIDE DISMUTASE PRECURSOR (EC 1.15.1.1).	sptrembl Q9Y783	ND
536	689.2	DOLICHOL-PHOSPHATE MANNOsylTRANSFERASE (EC 2.4.1.83) (DOLICHOL- PHOSPHATE MANNOSE SYNTHASE) (DOLICHYL- PHOSPHATE BETA-D- MANNOsylTRANSFERASE).	sptrembl O14466	ND
537	688.9	PUTATIVE FUMARASE.	sptrembl O24649	ND
538	688.8	PROBABLE INOSINE-5'- MONOPHOSPHATE DEHYDROGENASE (EC	swissprot P50095	ND

		1.1.1.205) (IMP DEHYDROGENASE) (IMPDH) (IMPD).		
539	687.4	CHROMOSOME XV READING FRAME ORF YOR197W.	sptrembl Q08601	ND
540	686.5	PUTATIVE PROTEASOME COMPONENT PUP1 PRECURSOR (EC 3.4.99.46) (MACROPAIN SUBUNIT) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT).	swissprot Q09841	Posttranslational modification, protein turnover, chaperones
541	685.3	SERYL-TRNA SYNTHETASE (EC 6.1.1.11) (SERINE--TRNA LIGASE) (SERRS).	swissprot Q39230	Translation, ribosomal structure and biogenesis
542	684.0	HYPOTHETICAL 41.3 KD PROTEIN C26F1.12C IN CHROMOSOME I.	swissprot Q10498	ND
543	683.8	SEXUAL DIFFERENTIATION PROCESS PROTEIN ISP4.	swissprot P40900	ND
544	682.8	FATTY ACID OMEGA-HYDROXYLASE (P450FOXY).	sptrembl Q9Y8G7	ND
545	680.9	METHIONINE AMINOPEPTIDASE.	sptrembl O60085	Translation, ribosomal structure and biogenesis
546	679.8	UBIQUITIN CONJUGATING ENZYME.	tremblnew CAB38416	ND
547	679.5	NITRITE REDUCTASE.	sptrembl Q92198	ND
548	679.5	PUTATIVE GOLGI MEMBRANE PROTEIN-SORTING PROTEIN.	sptrembl O94291	ND
549	677.1	COLONY 1.	sptrembl Q01491	ND
550	671.0	MALTOSE PERMEASE.	sptrembl Q9Y845	ND
551	668.6	ANNEXIN XIV.	sptrembl O59907	ND
552	667.7	SQUALENE MONOOXYGENASE (EC 1.14.99.7) (SQUALENE EPOXIDASE) (SE).	swissprot Q92206	Coenzyme metabolism
553	667.2	PROBABLE ATP-DEPENDENT RNA HELICASE DBP8.	swissprot P38719	DNA replication, recombination and repair
554	666.7	HYPOTHETICAL 55.8 KD PROTEIN.	tremblnew CAB63552	ND
555	664.9	CYTOCHROME P450 MONOOXYGENASE (FRAGMENT).	sptrembl O64410	ND
556	664.4	ATP SYNTHASE PROTEIN 9, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34) (LIPID- BINDING PROTEIN).	swissprot P00842	ND
557	663.4	ATP SYNTHASE SUBUNIT	swissprot O13349	ND

		4, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).		
558	663.4	ERGOSTEROL BIOSYNTHESIS PROTEIN (KES1).	sptrembl O74178	ND
559	662.8	URICASE (EC 1.7.3.3) (URATE OXIDASE).	swissprot Q00511	ND
560	662.4	GLYCEROL-3-PHOSPHATE DEHYDROGENASE (EC 1.1.1.8).	tremblnew CAB58452	ND
561	661.8	PUTATIVE GLUTAMYL- TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.17) (GLUTAMATE--TRNA LIGASE) (GLURS).	sptrembl O13775	Translation, ribosomal structure and biogenesis
562	661.5	PHOSPHORIBOSYLFORMY LGLYCINAMIDINE SYNTHASE (EC 6.3.5.3) (FGAM SYNTHASE) (FORMYLGLYCINAMIDE RIBOTIDE AMIDOTRANSFERASE) (FGARAT).	swissprot P15254	Nucleotide transport
563	661.0	Mutant Aspergillus oryzae DEBY932 rescued locus.	geneseqp W37992	ND
564	660.6	N-MYRISTOYL TRANSFERASE.	tremblnew BAA87865	ND
565	660.1	HYPOTHETICAL 79.2 KD PROTEIN.	sptrembl Q04585	Energy production and conversion
566	659.6	PUTATIVE ALDEHYDE DEHYDROGENASE (NAD+) (EC 1.2.1.3).	sptrembl O74187	Energy production and conversion
567	657.9	PROTEASOME COMPONENT PRE2 PRECURSOR (EC 3.4.99.46) (MACROPAIN SUBUNIT PRE2) (PROTEINASE YSCE SUBUNIT PRE2) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PRE2).	swissprot P30656	Posttranslational modification, protein turnover, chaperones
568	657.8	BIFUNCTIONAL HISTIDINE BIOSYNTHESIS PROTEIN HIS7 [INCLUDES: HISH- TYPE AMIDOTRANSFERASE (EC 2.4.2.-); HISF-TYPE CYCLASE].	swissprot P33734	Amino acid transport and metabolism
569	657.3	CYCLOPHILIN OVCYP-2 (EC 5.2.1.8).	sptrembl Q25633	Posttranslational modification, protein turnover, chaperones
570	657.0	40S RIBOSOMAL PROTEIN S3AE (S1).	swissprot Q09781	Translation, ribosomal structure and

				biogenesis
571	657.0	PUTATIVE RHO GDP-DISSOCIATION INHIBITOR (RHO GDI).	sptrembl O14224	ND
572	656.5	NHP2/RS6 FAMILY PROTEIN YEL026W HOMOLOG.	swissprot Q21568	Translation, ribosomal structure and biogenesis
573	655.1	Aminopeptidase.	geneseqp W05589	ND
574	655.1	YNT20 PROTEIN.	swissprot P54964	ND
575	651.4	ATP SYNTHASE D CHAIN, MITOCHONDRIAL (EC 3.6.1.34).	swissprot O13350	ND
576	649.3	HISTONE H2B.	swissprot P23754	ND
577	648.3	RIBOFLAVIN SYNTHASE ALPHA CHAIN.	sptrembl Q9Y7P0	Coenzyme metabolism
578	648.1	60S RIBOSOMAL PROTEIN L6-A (L17) (YL16) (RP18).	swissprot Q02326	ND
579	647.9	CALNEXIN HOMOLOG PRECURSOR.	swissprot P36581	ND
580	647.0	HYPOTHETICAL 50.5 KD PROTEIN.	sptrembl Q03940	DNA replication, recombination and repair
581	646.7	HYDROXYMETHYLGLUTARYL-COA LYASE (EC 4.1.3.4) (HMG-COA LYASE) (HL) (3-HYDROXY-3-METHYLGLUTARATE-COA LYASE).	swissprot P13703	Amino acid transport and metabolism
582	645.8	FATTY ACID DESATURASE (FRAGMENT).	sptrembl O74645	ND
583	644.7	HET-C PROTEIN.	tremblnew AAD54275	ND
584	643.9	SIK1 PROTEIN.	swissprot Q12460	Translation, ribosomal structure and biogenesis
585	642.1	B. bassiana POPS reductase protein.	geneseqp Y33673	ND
586	639.7	CARBONIC ANHYDRASE (EC 4.2.1.1).	sptrembl Q43061	Inorganic ion transport and metabolism
587	639.5	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9Y7K1	Posttranslational modification, protein turnover, chaperones
588	638.9	3-ISOPROPYLMALATE DEHYDROGENASE (EC 1.1.1.85) (BETA-IPM DEHYDROGENASE) (IMDH) (3-IPM-DH).	swissprot P34738	Amino acid transport and metabolism
589	638.9	CELL DIVISION CONTROL PROTEIN NDA4.	swissprot P41389	ND
590	637.4	HYPOTHETICAL 55.4 KD	sptrembl Q9Y439	ND

		PROTEIN.		
591	633.4	RIBOSOMAL PROTEIN L37 HOMOLOG.	tremblnew CAB58374	ND
592	633.0	MITOGEN-ACTIVATED PROTEIN KINASE (EC 2.7.1.-) (MAPK).	sptrembl Q00859	Signal transduction mechanisms
593	631.9	SLA2P.	sptrembl O94097	ND
594	629.4	HASNA-I.	sptrembl Q92849	Inorganic ion transport and metabolism
595	627.9	G2/MITOTIC-SPECIFIC CYCLIN B.	swissprot P30284	ND
596	627.4	CARBOXYPEPTIDASE S1 (EC 3.4.16.6).	swissprot P34946	ND
597	626.5	MAL3 PROTEIN.	swissnew Q10113	ND
598	626.1	Oat HaSGT protein fragment.	geneseqp W64390	ND
599	625.2	HYPOTHETICAL PROTEIN CSD6.13 (FRAGMENT).	sptrembl O14205	ND
600	625.0	60S RIBOSOMAL PROTEIN L26.	swissnew P78946	ND
601	623.8	HYPOTHETICAL 43.9 KD PROTEIN IN MSYB-HTRB INTERGENIC REGION (ORF1).	swissprot P25744	ND
602	623.1	URIDYLATE KINASE (EC 2.7.4.-) (UK) (URIDINE MONOPHOSPHATE KINASE) (UMP KINASE).	swissprot P15700	Nucleotide transport
603	620.9	HYPOTHETICAL 29.4 KD PROTEIN C4D7.06C IN CHROMOSOME I.	sptrembl O14172	ND
604	620.7	EPITHELIAL BASOLATELAR CHLORIDE CONDUCTANCE REGULATOR.	sptrembl Q28689	ND
605	619.2	ALCOHOL DEHYDROGENASE I (EC 1.1.1.1).	swissprot P41747	ND
606	618.9	N-MYRISTOYL TRANSFERASE.	tremblnew BAA87865	ND
607	618.8	S. cerevisiae uronate dehydrogenase.	geneseqp W29217	ND
608	617.4	SEXUAL DIFFERENTIATION PROCESS PROTEIN ISP4.	swissprot P40900	ND
609	616.1	GALACTOKINASE (EC 2.7.1.6).	swissnew P04385	Carbohydrate transport and metabolism
610	614.9	8 KDA CYTOPLASMIC DYNEIN LIGHT CHAIN.	sptrembl O94111	ND
611	614.6	FATTY ALDEHYDE DEHYDROGENASE (EC 1.2.1.3) (ALDEHYDE DEHYDROGENASE, MICROSOMAL) (ALDH	swissprot P47740	Energy production and conversion

		CLASS 3).		
612	614.4	HYPOTHETICAL 79.2 KD PROTEIN.	sptrembl Q04585	Energy production and conversion
613	614.3	CHROMOSOME IV READING FRAME ORF YDL166C.	sptrembl Q12055	Nucleotide transport
614	612.6	PHOSPHATIDYLSERINE DECARBOXYLASE PROENZYME 1 PRECURSOR (EC 4.1.1.65).	sptrembl O14333	Lipid metabolism
615	612.5	RIBOSOMAL PROTEIN CRP7.	sptrembl O93798	ND
616	612.4	SERINE-TYPE CARBOXYPEPTIDASE F PRECURSOR (EC 3.4.16.-) (PROTEINASE F) (CPD-II).	swissprot P52718	ND
617	610.3	PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] (EC 4.1.1.49).	swissprot O13434	Energy production and conversion
618	609.4	ACYL CARRIER PROTEIN, MITOCHONDRIAL PRECURSOR (ACP) (NADH-UBIQUINONE OXIDOREDUCTASE 9.6 KD SUBUNIT) (EC 1.6.5.3) (EC 1.6.99.3).	swissprot P11943	ND
619	608.2	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC (EC 5.3.1.9) (GPI) (PHOSPHOGLUCOSE ISOMERASE) (PGI) (PHOSPHOHEXOSE ISOMERASE) (PHI).	sptrembl O94371	Carbohydrate transport and metabolism
620	607.9	ISOCITRATE LYASE (EC 4.1.3.1) (ISOCITRASE) (ISOCITRATASE) (ICL).	swissprot P28299	Energy production and conversion
621	607.8	TYROSYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (EC 6.1.1.1) (TYROSINE--TRNA LIGASE) (TYRRS).	swissprot P28669	ND
622	605.7	HYPOTHETICAL 55.8 KD PROTEIN.	tremblnew CAB63552	ND
623	605.6	HYPOTHETICAL 24.5 KD PROTEIN.	tremblnew CAB52035	ND
624	605.2	60S RIBOSOMAL PROTEIN L32-A.	swissprot P79015	Translation, ribosomal structure and biogenesis
625	604.7	PROBABLE RIBOSE-PHOSPHATE PYROPHOSPHOKINASE 5 (EC 2.7.6.1) (PHOSPHORIBOSYL PYROPHOSPHATE	swissprot Q12265	Nucleotide transport

		SYNTHETASE 5).		
626	604.2	HYPOTHETICAL 55.5 KD PROTEIN C17A2.05 IN CHROMOSOME I.	sptrembl O13755	Energy production and conversion
627	603.9	HOMOLOGUES TO NITRILE HYDRATASE REGION 3'-HYPOTHETICAL PROTEIN P47K OF P. CHLORORAPHIS.	sptrembl P94400	ND
628	603.8	Cercospora nicotianae cercosporin resistance sor1 gene product.	geneseqp W71467	Nucleotide transport
629	603.7	PUTATIVE HYDROXYACYLGLUTATHIONE HYDROLASE..	tremblnew CAB57337	ND
630	602.9	NADH-UBIQUINONE OXIDOREDUCTASE 21 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-21KD) (CI-21KD).	swissprot Q02854	ND
631	602.6	OPSIN-1.	tremblnew AAD45253	ND
632	602.0	PUTATIVE MITOCHONDRIAL PROTEIN IMPORT PROTEIN - DNAJ PROTEIN.	sptrembl O74752	Posttranslational modification, protein turnover, chaperones
633	601.4	SEPTIN B.	sptrembl P78620	ND
634	601.4	ORNITHINE DECARBOXYLASE (EC 4.1.1.17) (ODC).	swissprot P27121	ND
635	601.1	FADE13.	sptrembl O86319	Lipid metabolism
636	598.6	PUTATIVE GTP CYCLOHYDROLASE.	tremblnew CAB65619	ND
637	597.2	PROBABLE ATP-DEPENDENT PERMEASE C3F10.11C.	swissprot Q10185	ND
638	596.5	YEAST REDUCED VIABILITY UPON STARVATION PROTEIN 161 HOMOLOG, IMPLICATED IN CELL GROWTH AND CYTOSKELETAL ORGANISATION.	tremblnew CAA22181	ND
639	595.3	PROTEIN KINASE DSK1 (EC 2.7.1.-) (DIS1-SUPPRESSING PROTEIN KINASE).	swissprot P36616	ND
640	595.2	HYPOTHETICAL 46.5 KD PROTEIN C12B10.04 IN CHROMOSOME I.	swissprot Q10438	ND
641	595.1	PUTATIVE HELICASE C6F12.16 IN CHROMOSOME I.	swissprot O14232	DNA replication, recombination and repair
642	594.9	HYPOTHETICAL 48.3 KD PROTEIN IN MOB1-SGA1 INTERGENIC REGION.	swissprot P40487	Translation, ribosomal structure and

				biogenesis
643	593.8	S. cerevisiae type 2 methionine aminopeptidase (MetAP2).	geneseqp W94766	Translation, ribosomal structure and biogenesis
644	593.1	HYPOTHETICAL 68.3 KD PROTEIN.	sptrembl Q03195	ND
645	593.0	RAS-2 PROTEIN.	swissnew Q01387	ND
646	591.1	DIHYDROLIPOAMIDE SUCCINYLTRANSFERASE.	tremblnew AAD47296	ND
647	590.3	HYPOTHETICAL 68.1 KD PROTEIN.	tremblnew CAB63538	Nucleotide transport
648	590.2	PUTATIVE TYPE III ALCOHOL DEHYDROGENASE.	sptrembl Q94532	ND
649	590.0	NUCLEAR TRANSPORT FACTOR 2 (NTF-2).	swissprot P87102	ND
650	589.8	Aspergillus niger adhA gene.	geneseqp P70497	ND
651	588.9	NADH-UBIQUINONE OXIDOREDUCTASE 12 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-12KD) (CI-12KD).	swissprot Q03015	ND
652	588.0	ALTERNATIVE OXIDASE.	sptrembl O93788	ND
653	587.6	HYPOTHETICAL 31.1 KD PROTEIN IN SIP18-SPT21 INTERGENIC REGION.	swissprot Q03219	ND
654	587.0	PISATIN DEMETHYLASE (EC 1.14.-.-) (CYTOCHROME P450 57A1).	swissprot Q12645	ND
655	586.5	FISSION YEAST.	sptrembl P78771	ND
656	584.1	ADENYLOSUCCINATE LYASE (EC 4.3.2.2) (ADENYLOSUCCINASE) (ASL).	swissprot Q05911	Nucleotide transport
657	583.8	PROTEIN TRANSLATION FACTOR SUI1.	swissprot P32911	ND
658	582.3	HEAT SHOCK PROTEIN 90 HOMOLOG (SUPPRESSOR OF VEGETATIVE INCOMPATIBILITY MOD-E).	swissprot O43109	ND
659	582.3	CELL DIVISION CONTROL PROTEIN 54.	swissprot P30665	DNA replication, recombination and repair
660	582.2	HYPOTHETICAL 36.8 KD PROTEIN C9E9.11 IN CHROMOSOME I.	sptrembl O14295	ND
661	581.2	BIFUNCTIONAL HISTIDINE BIOSYNTHESIS PROTEIN HIS7 [INCLUDES: HISH-TYPE AMIDOTRANSFERASE (EC 2.4.2.-); HISF-TYPE CYCLASE].	swissprot P33734	Amino acid transport and metabolism
662	581.1	RIBOSOMAL PROTEIN	sptrembl O93798	ND

		CRP7.		
663	580.4	HSP78P.	sptrembl Q12137	Posttranslational modification, protein turnover, chaperones
664	579.8	BASIC AMINO-ACID PERMEASE.	swissprot P38971	Amino acid transport and metabolism
665	576.9	EXTRACELLULAR PUTATIVE DNASE.	tremblnew AAD53090	ND
666	576.2	TFIID SUBUNIT TAF72P.	sptrembl O13282	ND
667	576.1	HISTIDYL-TRNA SYNTHETASE (EC 6.1.1.21) (HISTIDINE--TRNA LIGASE) (HISRS).	swissprot P43823	ND
668	575.2	40S RIBOSOMAL PROTEIN S27.	swissprot O74330	ND
669	574.9	MALTOSE PERMEASE MAL3T (MALTOSE TRANSPORT PROTEIN MAL3T).	swissprot P38156	ND
670	574.3	HYPOTHETICAL 49.9 KD PROTEIN.	sptrembl Q03441	ND
671	573.6	60S RIBOSOMAL PROTEIN L37-A (L35) (YP55).	swissprot P49166	ND
672	573.4	60S RIBOSOMAL PROTEIN L31 (L34) (YL28).	swissprot P04649	ND
673	572.7	NUCLEAR PROTEIN SNF4 (REGULATORY PROTEIN CAT3).	swissprot P12904	ND
674	572.2	OLIGOMYCIN SENSITIVITY CONFERRING PROTEIN.	sptrembl O74190	Energy production and conversion
675	571.4	40S RIBOSOMAL PROTEIN S8 (S14) (YS9) (RP19).	swissprot P05754	Translation, ribosomal structure and biogenesis
676	571.1	60S RIBOSOMAL PROTEIN L13.	sptrembl Q9Z313	ND
677	570.6	GAR1 PROTEIN.	swissnew P28007	ND
678	570.6	GEPHYRIN (PUTATIVE GLYCINE RECEPTOR-TUBULIN LINKER PROTEIN).	swissprot Q03555	ND
679	570.4	ZINC FINGER PROTEIN SFP1.	swissprot P32432	ND
680	570.3	RECESSIVE SUPPRESSOR OF SECRETORY DEFECT.	swissprot P32368	ND
681	569.9	THIAMINE-4 (FRAGMENT).	sptrembl P79048	ND
682	569.2	PROBABLE SYNAPTOBREVIN HOMOLOG C6G9.11.	swissprot Q92356	ND
683	569.2	PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE).	swissprot P22008	Amino acid transport and metabolism

684	569.2	Human secreted protein encoded by gene 35 clone HTXCS21.	geneseqp W78160	Posttranslational modification, protein turnover, chaperones
685	568.5	HYPOTHETICAL 15.4 KD PROTEIN IN HAS1-JNM1 INTERGENIC REGION.	swissprot Q03554	ND
686	568.4	COPROPORPHYRINOGEN III OXIDASE (EC 1.3.3.3) (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE) (COX).	swissprot P11353	Coenzyme metabolism
687	568.3	GTP-BINDING PROTEIN YPT51/VPS21.	swissprot P36017	ND
688	567.8	HYPOTHETICAL 56.5 KD PROTEIN IN HXT8 5'REGION AND IN PAU6 5'REGION.	swissprot P39941	Carbohydrate transport and metabolism
689	567.2	OLIGOMYCIN RESISTANCE ATP-DEPENDENT PERMEASE YOR1.	swissprot P53049	ND
690	567.0	ACTIN INTERACTING PROTEIN 2.	swissprot P46681	Energy production and conversion
691	563.9	60S RIBOSOMAL PROTEIN L43 (L37A) (YL35).	swissprot P49631	ND
692	563.6	HYPOTHETICAL 49.1 KD PROTEIN.	sptrembl O60140	ND
693	563.6	PEROXISOMAL MEMBRANE PROTEIN PAS20 (PEROXIN-13).	swissprot P80667	ND
694	561.6	PHOSPHATIDYLGLYCEROL /PHOSPHATIDYLINOSITOL TRANSFER PROTEIN.	sptrembl O94183	ND
695	561.4	HYPOTHETICAL 40.7 KD PROTEIN IN PYK1-SNC1 INTERGENIC REGION.	swissprot P39729	ND
696	559.0	PUTATIVE MITOCHONDRIAL PROTEIN IMPORT PROTEIN - DNAJ PROTEIN.	sptrembl O74752	Posttranslational modification, protein turnover, chaperones
697	558.2	PEPTIDYL-PROLYL CIS-TRANS ISOMERASE, FK506-BINDING PROTEIN.	tremblnew CAB46710	ND
698	557.9	PUTATIVE CYSTATHIONINE GAMMA-SYNTHASE (EC 4.2.99.9) (O-SUCCINYLBHOMOSERINE (THIOL)-LYASE).	swissprot P47164	Amino acid transport and metabolism
699	557.5	GLUCOKINASE (EC 2.7.1.2) (GLUCOSE KINASE) (GLK).	swissprot Q92407	ND
700	556.7	PUTATIVE SEPTIN.	tremblnew CAB61437	ND
701	556.6	UDP-GLUCOSE 6-DEHYDROGENASE (EC 1.1.1.22) (UDP-GLC	swissprot O02373	ND

		DEHYDROGENASE) (UDP-GLCDH) (UDPGDH) (SUGARLESS PROTEIN).		
702	556.2	60S RIBOSOMAL PROTEIN L14-A.	swissprot P36105	ND
703	554.4	HYPOTHETICAL 25.2 KD PROTEIN.	sptrembl Q9Y7K7	ND
704	553.9	NADPH-DEPENDENT BETA-KETOACYL REDUCTASE.	tremblnew AAD53514	ND
705	553.3	HYPOTHETICAL 16.1 KD PROTEIN.	sptrembl O74847	ND
706	553.1	PROTEASOME COMPONENT PUP2 (EC 3.4.99.46) (MACROPAIN SUBUNIT PUP2) (PROTEINASE YSCE SUBUNIT PUP2) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PUP2).	swissprot P32379	ND
707	551.8	A. niger Bo-1 carboxypeptidase Y.	geneseqp R96737	ND
708	551.5	SIMILAR TO JUN ACTIVATION DOMAIN BINDING PROTEIN.	sptrembl O23130	ND
709	550.8	HYPOTHETICAL 47.4KD PROTEIN IN SHP1-SEC17 INTERGENIC REGION.	sptrembl O13630	ND
710	550.5	DNA-DIRECTED RNA POLYMERASE III LARGEST SUBUNIT (EC 2.7.7.6) (C160).	swissprot P04051	Transcription
711	549.5	GENE REGULATION 124 aa, chain A+B+C	pdb 1QD9	Translation, ribosomal structure and biogenesis
712	549.2	GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT.	swissprot O14435	ND
713	548.6	TRANSMEMBRANE PROTEIN.	tremblnew CAB65007	ND
714	548.6	Aspergillus nidulans essential protein AN17.	geneseqp Y06418	ND
715	547.2	2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.2) (ALPHA-KETOGLUTARATE DEHYDROGENASE).	swissprot P20967	Energy production and conversion
716	547.0	40S RIBOSOMAL PROTEIN S20.	swissprot P55828	Translation, ribosomal structure and biogenesis
717	546.7	NADP(H)-DEPENDENT KETOSE REDUCTASE.	sptrembl O96496	ND
718	545.6	SIK1 PROTEIN.	swissprot Q12460	Translation,

				ribosomal structure and biogenesis
719	544.4	PUTATIVE STRUCTURE SPECIFIC REGOGNITION PROTEIN. POSSIBLE CHROMATIN-ASSOCIATED HMG PROTEIN.	sptrembl O94529	ND
720	544.3	BIOTIN SYNTHASE (EC 2.8.1.6) (BIOTIN SYNTHETASE).	swissprot P32451	Coenzyme metabolism
721	544.2	WHITE COLLAR 1 PROTEIN (WC1).	swissnew Q01371	ND
722	543.3	CODED FOR BY C. ELEGANS CDNA YK110H1.3.	sptrembl P91125	ND
723	543.2	SORBITOL UTILIZATION PROTEIN SOU2.	swissprot P87218	ND
724	543.2	40S RIBOSOMAL PROTEIN S10-A.	swissprot Q08745	ND
725	541.4	VANILLIN DEHYDROGENASE.	sptrembl O05619	ND
726	540.5	ESTERASE A.	sptrembl O87861	ND
727	539.1	HYPOTHETICAL 22.4 KD PROTEIN C22E12.05C IN CHROMOSOME I.	swissnew Q10358	ND
728	537.7	Alternaria alternata allergen Alta11.	geneseq R71833	Translation, ribosomal structure and biogenesis
729	537.7	Cladosporium herbarum allergen Clah12.	geneseq R99961	ND
730	535.6	PYRUVATE DECARBOXYLASE.	sptrembl O94185	Coenzyme metabolism
731	535.0	UBIQUITIN FUSION DEGRADATION PROTEIN-2.	sptrembl O60009	ND
732	534.3	DNA-DIRECTED RNA POLYMERASE I 190 KD POLYPEPTIDE (EC 2.7.7.6) (A190).	swissprot P10964	Transcription
733	534.2	RIBOSOMAL PROCESSING, RNA BINDING, NUCLEOLAR PROTEIN.	sptrembl O74400	Transcription
734	533.5	RPL24 PROTEIN.	tremblnew BAA84653	Translation, ribosomal structure and biogenesis
735	533.0	ALDO/KETO REDUCTASE.	tremblnew AAF11806	ND
736	532.9	VACUOLAR ATP SYNTHASE SUBUNIT G (EC 3.6.1.34) (V-ATPASE 13 KD SUBUNIT) (VACUOLAR H(+)-ATPASE SUBUNIT G).	swissprot P78713	ND
737	532.7	PROBABLE THIAMINE BIOSYNTHETIC	swissprot P40386	Coenzyme metabolism

		BIFUNCTIONAL ENZYME [INCLUDES: THIAMINE-PHOSPHATE PYROPHOSPHORYLASE (EC 2.5.1.3) (TMP PYROPHOSPHORYLASE) (TMP-PPASE); HYDROXYETHYLTHIAZOLE KINASE (EC 2.7.1.50) (4-METHYL-5-BETA-HYDROXYETHYLTHIAZOLE KINASE) (THZ KINASE) (TH KINASE)].		
738	532.7	PUTATIVE MITOCHONDRIAL CARRIER YOR222W.	swissnew Q99297	ND
739	530.9	TRANSPORTIN.	sptrembl O76331	ND
740	530.6	GLYCOGEN PHOSPHORYLASE (EC 2.4.1.1).	swissprot P06738	Carbohydrate transport and metabolism
741	530.2	PUTATIVE ADENOSINE KINASE.	tremblnew CAA19345	Carbohydrate transport and metabolism
742	530.2	HYPOTHETICAL 18.8 KD PROTEIN.	sptrembl O43073	ND
743	529.7	DDR48 STRESS PROTEIN (DNA DAMAGE-RESPONSIVE PROTEIN 48) (DDRP 48) (YP 75) (FLOCCULENT SPECIFIC PROTEIN).	swissprot P18899	ND
744	529.6	40S RIBOSOMAL PROTEIN S24 (RP50).	swissprot P26782	ND
745	529.5	JAB1 PROTEIN.	sptrembl O81388	ND
746	529.4	HYPOTHETICAL 43.7 KD PROTEIN C24B11.08C IN CHROMOSOME I.	swissprot Q09895	ND
747	529.3	PROTEIN KINASE SKP1P.	sptrembl O94456	ND
748	529.1	ORM1 PROTEIN.	swissprot P53224	ND
749	529.0	NAALADASE II PROTEIN.	sptrembl Q9Y3Q0	ND
750	528.9	PROTEIN PHOSPHOTASE 2A 65KD REGULATORY SUBUNIT.	tremblnew CAB55176	ND
751	528.3	NADH-UBIQUINONE OXIDOREDUCTASE 10.5 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I) (CI).	swissprot Q07842	ND
752	527.4	PUTATIVE MITOCHONDRIAL CARRIER PROTEIN C12B10.09.	swissprot Q10442	ND
753	527.3	CLATHRIN HEAVY CHAIN.	swissprot P22137	ND
754	527.2	YNL123W HOMOLOG (FRAGMENT).	sptrembl O42705	Posttranslational modification, protein turnover, chaperones

755	526.6	CYCLOPROPANE-FATTY-ACYL-PHOSPHOLIPID SYNTHASE.	sptrembl O67624	ND
756	526.1	HYPOTHETICAL 107.7 KD PROTEIN IN TSP3-IPP2 INTERGENIC REGION.	swissprot Q03516	ND
757	526.0	PI021 PROTEIN.	sptrembl O13612	ND
758	525.1	SRP1 PROTEIN.	swissprot Q10193	ND
759	524.4	SMALL NUCLEAR RIBONUCLEOPROTEIN SM D3 (SNRNP CORE PROTEIN D3) (SM-D3).	swissprot P43331	Transcription
760	524.3	K09H11.1 PROTEIN.	sptrembl O01590	ND
761	524.1	COENZYME A SYNTHETASE.	sptrembl O74976	ND
762	524.0	HYPOTHETICAL 47.0 KD PROTEIN C23H3.03C IN CHROMOSOME I.	sptrembl O42857	ND
763	523.8	TRIOSEPHOSPHATE ISOMERASE (EC 5.3.1.1) (TIM).	swissprot P04828	ND
764	523.6	HYPOTHETICAL 56.8 KD PROTEIN IN SCJ1-GUA1 INTERGENIC REGION PRECURSOR.	swissprot Q03655	ND
765	522.9	CGI-110 PROTEIN.	sptrembl Q9Y3B4	ND
766	522.4	NEUTRAL TREHALASE (EC 3.2.1.28) (ALPHA,ALPHA-TREHALASE) (ALPHA,ALPHA-TREHALOSE GLUCOHYDROLASE).	swissprot O42622	ND
767	521.8	GTPASE.	sptrembl P87027	ND
768	520.3	HYPOTHETICAL 12.5 KD PROTEIN.	sptrembl O74948	ND
769	519.1	Extended human secreted protein sequence, SEQ ID NO. 218.	geneseqp Y35969	ND
770	518.6	URIC ACID-XANTHINE PERMEASE (UAPA TRANSPORTER).	swissprot Q07307	ND
771	517.3	DIHYDROLIPOAMIDE ACETYLTRANSFERASE COMPONENT OF PYRUVATE DEHYDROGENASE COMPLEX, MITOCHONDRIAL PRECURSOR (EC 2.3.1.12) (E2) (PDC-E2) (MRP3).	swissprot P20285	ND
772	517.0	ATP CITRATE LYASE.	sptrembl O93988	ND
773	515.8	PUTATIVE ZINC-CONTAINING DEHYDROGENASE.	tremblnew CAB53146	ND
774	515.3	HYPOTHETICAL 25.7 KD	swissprot P38829	ND

		PROTEIN IN MSH1-EPT1 INTERGENIC REGION.		
775	514.4	PROBABLE CLATHRIN HEAVY CHAIN.	swissprot Q10161	ND
776	513.1	HYPOTHETICAL 143.7 KD PROTEIN C11D3.15 IN CHROMOSOME I.	swissprot Q10094	Amino acid transport and metabolism
777	513.0	TRANSCRIPTION FACTOR BTF3 HOMOLOG.	swissprot Q92371	ND
778	511.6	CROSS-PATHWAY CONTROL PROTEIN 1.	swissprot P11115	ND
779	511.2	HYPOTHETICAL 37.4 KD PROTEIN.	sptrembl O74907	ND
780	511.0	ACONITASE.	sptrembl O74699	Energy production and conversion
781	510.5	Yeast NPC1 protein orthologue.	geneseq W88447	ND
782	510.4	HYPOTHETICAL 119.1 KD PROTEIN YPL009C.	sptrembl Q12532	Cell envelope biogenesis, outer membrane
783	509.3	HYPOTHETICAL 30.9 KD PROTEIN.	sptrembl O53327	ND
784	509.2	HYPOTHETICAL 33.3 KD PROTEIN.	sptrembl O43060	ND
785	508.7	30 KD HEAT SHOCK PROTEIN.	swissprot P19752	ND
786	508.5	Schizosaccharomyces pombe HRR25-like Hhp1+ protein.	geneseq R76616	ND
787	508.4	HYPOTHETICAL PROTEIN C22G7.01C IN CHROMOSOME I (FRAGMENT).	swissnew Q09795	ND
788	506.9	CHROMOSOME XV READING FRAME ORF YOL060C.	sptrembl Q12296	ND
789	506.6	WD REPEAT-CONTAINING PROTEIN.	sptrembl O94289	ND
790	506.0	60S RIBOSOMAL PROTEIN L34-B.	swissprot P40525	ND
791	504.2	PHOSPHORIBOSYLGLYCIN AMIDE FORMYLTRANSFERASE (FRAGMENT).	sptrembl Q9Y7S7	ND
792	504.0	PUTATIVE AROMATIC AMINO ACID AMINOTRANSFERASE C56E4.03 (EC 2.6.1.-).	sptrembl O14192	Amino acid transport and metabolism
793	503.3	CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE (EC 2.7.1.123).	swissprot O14408	ND
794	502.1	CYTOCHROME C OXIDASE POLYPEPTIDE IV PRECURSOR (EC 1.9.3.1).	swissprot P04037	ND
795	501.8	ALCOHOL	swissprot P41747	ND

		DEHYDROGENASE I (EC 1.1.1.1).		
797	501.4	PHOSPHOGLYCERATE KINASE (EC 2.7.2.3).	swissprot P24590	ND
798	500.6	2-HYDROXYACID DEHYDROGENASE HOMOLOG (EC 1.1.1.-).	swissprot P30799	ND
799	500.3	PROTEASOME COMPONENT PUP3 (EC 3.4.99.46) (MACROPAIN SUBUNIT PUP3) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PUP3).	swissprot P25451	Posttranslational modification, protein turnover, chaperones
800	500.2	PLASMID RECOMBINATION ENZYME (MOBILIZATION PROTEIN).	swissprot P03857	ND
801	499.4	UV EXCISION REPAIR PROTEIN RAD23 HOMOLOG.	sptrembl O74803	ND
802	499.0	CHROMOSOME XVI READING FRAME ORF YPL226W (CHROMOSOME XVI LEFT ARM (EU) DNA SEGMENT).	sptrembl Q08972	ND
803	498.3	RAN GTPASE ACTIVATING PROTEIN 1 (RNA1 PROTEIN).	swissprot P41391	ND
804	497.6	60S RIBOSOMAL PROTEIN L36.	sptrembl O94658	ND
805	497.3	HYPOTHETICAL 46.4 KD PROTEIN C3A12.11C IN CHROMOSOME I.	swissprot P87126	ND
806	496.8	PUTATIVE SEPTIN.	tremblnew CAB61437	ND
807	496.7	PROBABLE INVOLVEMENT IN ERGOSTEROL BIOSYNTHESIS.	sptrembl O94512	ND
808	496.1	CYTOPLASMIC AMINOPEPTIDASE P.	sptrembl O54975	Amino acid transport and metabolism
809	495.5	NADH-UBIQUINONE OXIDOREDUCTASE 21 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-21KD) (CI-21KD).	swissprot P25711	ND
810	494.5	HYPOTHETICAL 31.5 KD PROTEIN C4F10.03C IN CHROMOSOME I.	sptrembl O36015	Cell division and chromosome partitioning
811	493.5	PISATIN DEMETHYLASE (EC 1.14.-.-) (CYTOCHROME P450 57A2).	swissprot P38364	ND
812	492.6	NITRATE REDUCTASE.	sptrembl Q92237	ND
813	492.1	LSM5 PROTEIN.	sptrembl Q9Y4Y9	ND

814	491.4	CHROMOSOME IV READING FRAME ORF YDL019C.	sptrembl Q12451	ND
815	491.2	10 KD HEAT SHOCK PROTEIN, MITOCHONDRIAL (HSP10) (10 KD CHAPERONIN).	swissprot O59804	ND
816	490.3	HYPOTHETICAL ZINC- TYPE ALCOHOL DEHYDROGENASE-LIKE PROTEIN IN GDH3-CNE1 INTERGENIC REGION.	swissprot P39714	ND
817	489.9	3-HYDROXYACYL-COA DEHYDROGENASE TYPE II (EC 1.1.1.35).	swissprot O02691	ND
818	489.6	HYPOTHETICAL 30.7 KD PROTEIN IN RVS161-ADP1 INTERGENIC REGION.	swissprot P25613	ND
819	489.4	ENOYL REDUCTASE.	sptrembl Q9Y7D0	ND
820	489.1	SHY1 PROTEIN.	swissprot P53266	ND
821	489.1	RIBONUCLEOPROTEIN RBM8.	sptrembl Q9Y5S9	ND
822	489.1	CYTOCHROME C OXIDASE POLYPEPTIDE VIB (EC 1.9.3.1) (AED).	swissprot Q01519	ND
823	488.8	THIOSULFATE SULFURTRANSFERASE.	sptrembl Q9ZPK0	Inorganic ion transport and metabolism
824	488.1	CONSERVED PROTEIN.	sptrembl O26459	Amino acid transport and metabolism
825	488.1	PUTATIVE STERIGMATOCYSTIN BIOSYNTHESIS PROTEIN STCT.	swissprot Q00717	ND
826	487.9	NONHISTONE CHROMOSOMAL PROTEIN 6B.	swissprot P11633	ND
827	487.7	NUCLEOSOME ASSEMBLY PROTEIN.	sptrembl O59797	ND
828	487.2	HYPOTHETICAL 55.5 KD PROTEIN C17A2.05 IN CHROMOSOME I.	sptrembl O13755	ND
829	487.2	HYPOTHETICAL 96.1 KD PROTEIN.	sptrembl Q9Y7N9	ND
830	486.7	CONSERVED PROTEIN.	sptrembl O26459	ND
831	486.0	PROBABLE NEGATIVE REGULATOR OF TRANSCRIPTION SUBUNIT C4G3.15C.	sptrembl P87240	ND
832	483.3	D9461.13P.	sptrembl Q04053	ND
833	483.2	SALA.	tremblnew AAF04312	ND
834	483.2	PROBABLE SODIUM CHANNEL PROTEIN	sptrembl O14234	ND

		C6F6.01.		
835	482.6	RNA-BINDING POST-TRANSCRIPTIONAL REGULATOR CSX1.	swissprot O13759	ND
836	482.2	HYPOTHETICAL OXIDOREDUCTASE IN RPB5-CDC28 INTERGENIC REGION (EC 1.-.-.).	swissprot P38286	ND
837	481.4	HYPOTHETICAL 13.5 KD PROTEIN C24B11.09 IN CHROMOSOME I.	swissprot Q09896	ND
838	481.4	RHO2 PROTEIN.	swissprot Q10133	ND
839	480.7	PUTATIVE ALCOHOL DEHYDROGENASE.	sptrembl O80944	ND
840	480.4	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (EC 1.2.1.12) (GAPDH).	swissprot P32637	Carbohydrate transport and metabolism
841	480.0	TROPOMYOSIN.	swissprot Q02088	ND
842	479.3	60S RIBOSOMAL PROTEIN L22.	tremblnew CAB11194	ND
843	478.6	NONHISTONE CHROMOSOMAL PROTEIN 6B.	swissprot P11633	ND
844	478.6	HYPOTHETICAL 52.2 KD PROTEIN.	sptrembl Q12116	ND
845	478.2	DOLICHYL-PHOSPHATE-MANNOSE--PROTEIN MANNOSYLTRANSFERASE 2 (EC 2.4.1.109).	swissprot P31382	Posttranslational modification, protein turnover, chaperones
846	477.8	MAJOR ALLERGEN ASP F 2 PRECURSOR (ASP F II).	swissnew P79017	ND
847	477.7	CYTOCHROME C OXIDASE POLYPEPTIDE VI PRECURSOR (EC 1.9.3.1).	swissprot P00427	ND
848	476.8	PUTATIVE TRANSPORT PROTEIN.	tremblnew CAB52881	ND
849	476.7	UBIQUITIN-CONJUGATING ENZYME E2-24 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	swissprot P28263	ND
850	476.3	HYPOTHETICAL 11.8 KD PROTEIN C1B3.02C IN CHROMOSOME I.	swissprot O13868	ND
851	475.7	PROBABLE NICOTINATE PHOSPHORIBOSYLTRANSFERASE (EC 2.4.2.11) (NAPRTASE).	swissnew P39683	Coenzyme metabolism
852	474.6	CYTOCHROME B2 PRECURSOR (EC 1.1.2.3).	sptrembl Q9Y857	Energy production and conversion
853	474.2	CDC42.	sptrembl O94103	ND
854	471.5	PUTATIVE 125.2 KD MEMBRANE	swissprot P53751	ND

		6.2.1.3) (LONG-CHAIN ACYL-COA SYNTHETASE 1) (FATTY ACID ACTIVATOR 1).		
876	460.7	BING4.	sptrembl Q9Z0H1	ND
877	460.6	40S RIBOSOMAL PROTEIN S28 (S33).	swissprot Q10421	Translation, ribosomal structure and biogenesis
878	460.4	HISTONE H1.	tremblnew AAF16011	ND
879	459.4	P21 PROTEIN.	sptrembl Q11118	ND
880	458.9	INORGANIC PHOSPHATE TRANSPORTER PHO88.	swissprot P38264	ND
881	457.7	EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-4F 25 KD SUBUNIT).	swissprot P78954	ND
882	457.7	49 KDA ZINC FINGER PROTEIN.	sptrembl Q9Z326	ND
883	457.4	PROTEIN KINASE C-LIKE (EC 2.7.1.-).	swissprot Q99014	ND
884	457.2	MBF1 PROTEIN (ORF YOR298C-A).	sptrembl O14467	ND
885	457.0	Exon trap L48741.	geneseqp W46753	Carbohydrate transport and metabolism
886	456.9	CHROMOSOME IV READING FRAME ORF YDL072C.	sptrembl Q07451	ND
887	456.7	Phaffia derived glyceraldehyde-3-phosphate dehydrogenase PRcDNA64.	geneseqp W22489	Translation, ribosomal structure and biogenesis
888	456.7	60S RIBOSOMAL PROTEIN L35.	swissprot P42766	ND
889	456.2	TRANSCRIPTION INITIATION FACTOR IIE, BETA SUBUNIT (TFIIE- BETA) (TRANSCRIPTION FACTOR A SMALL SUBUNIT) (FACTOR A 43 KD SUBUNIT).	swissprot P36145	ND
890	456.0	ALPHA-SOLUBLE NSF ATTACHMENT PROTEIN (SNAP-ALPHA).	swissnew P54920	ND
891	455.9	SMALL ZINC FINGER PROTEIN TIM8.	sptrembl Q9Y8C0	ND
892	455.1	26S PROTEASE REGULATORY SUBUNIT 4 HOMOLOG (MTS2 PROTEIN).	swissprot P36612	Posttranslational modification, protein turnover, chaperones
893	455.1	TOXIN PUMP.	sptrembl Q00357	ND
894	454.8	DEHYDROGENASE.	sptrembl O34788	ND

895	454.7	UVSB PI-3 KINASE.	tremblnew AAD54313	ND
896	453.2	PROBABLE T-COMPLEX PROTEIN 1, THETA SUBUNIT.	sptrembl O74816	Posttranslational modification, protein turnover, chaperones
897	453.2	UBIQUITIN-CONJUGATING ENZYME E2-21 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PEROXIN-4).	swissprot P29340	ND
898	453.0	DNA-DIRECTED RNA POLYMERASE SUBUNIT.	sptrembl O74825	ND
899	452.3	TAMEGOLOH.	sptrembl O42346	ND
900	451.4	HYPOTHETICAL 55.8 KD PROTEIN.	tremblnew CAB63552	ND
901	450.7	HYPOTHETICAL 38.5 KD PROTEIN.	sptrembl O74959	ND
902	450.6	PUTATIVE ENOLASE- PHOSPHATASE.	tremblnew CAB55632	ND
903	449.4	Mortierella alpina cytochrome b5.	geneseqp W22848	ND
904	448.6	CARBOXYVINYL- CARBOXYPHOSPHONATE PHOSPHORYLMUTASE (EC 2.7.8.23) (CARBOXYPHOSPHONOEN OLPYRUVATE PHOSPHONOMUTASE) (CPEP PHOSPHONOMUTASE).	swissprot P11435	ND
905	448.2	Ester hydrolase protein encoded by rec 780-m165r210 gene.	geneseqp R44613	ND
906	447.3	S-ADENOSYLMETHIONINE DECARBOXYLASE (EC 4.1.1.50) (FRAGMENT).	sptrembl Q9Y8A3	ND
908	446.4	RASP F 9 (FRAGMENT).	sptrembl O42800	ND
909	446.1	CHROMOSOME XVI READING FRAME ORF YPL199C.	sptrembl Q08954	ND
910	446.1	VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35.	swissprot P34110	ND
911	445.9	PROFILIN..	tremblnew CAB38578	ND
912	445.0	HET-C PROTEIN.	tremblnew AAD54275	ND
913	444.8	HYPOTHETICAL 28.0 KD PROTEIN C13C5.04 IN CHROMOSOME I.	swissprot Q09686	ND
914	444.6	ATP SYNTHASE F CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissprot Q06405	ND
915	444.3	IONA	sptrembl Q95024	ND

		(SODIUM/POTASSIUM-TRANSPORTING ATPASE) (FRAGMENT).		
916	444.2	CHITIN SYNTHASE 4 (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE 4) (CLASS-IV CHITIN SYNTHASE 4).	swissprot Q01285	ND
917	443.4	SPP30.	sptrembl Q9XFA1	ND
918	442.9	UBE-1A.	tremblnew BAA82656	ND
919	442.1	SIMILAR TO DABA DECARBOXYLASE.	sptrembl Q9Z3R1	ND
920	441.9	VIPI PROTEIN (P53 ANTIGEN HOMOLOG).	sptrembl P87216	ND
921	441.5	HYPOTHETICAL PROTEIN (FRAGMENT).	tremblnew BAA87313	ND
922	441.1	GENERAL AMINO ACID PERMEASE AGP2.	swissprot P38090	Amino acid transport and metabolism
923	441.0	PUTATIVE N-ACETYLGLUCOSAMINE-6-PHOSPHATE DEACETYLASE (EC 3.5.1.25) (GLCNAC 6-P DEACETYLASE).	swissprot P34480	ND
924	440.0	PUTATIVE TYPE III ALCOHOL DEHYDROGENASE.	sptrembl Q94532	ND
925	439.3	HYPOTHETICAL 33.6 KD PROTEIN.	sptrembl O53363	ND
926	439.3	Yeast MEC3 protein sequence.	geneseqp W73895	Cell motility and secretion
927	438.1	HYPOTHETICAL 76.3 KD ZINC FINGER PROTEIN IN KTR5-UME3 INTERGENIC REGION.	swissprot P53968	ND
928	438.1	AMINO ACID PERMEASE.	sptrembl P87251	ND
929	437.9	STR1 (suppressor of telomeric repression-1) protein.	geneseqp R95601	ND
930	436.9	PUTATIVE CELL WALL PROTEIN.	sptrembl O74708	ND
931	435.9	TRANSCRIPTION INITIATION FACTOR TFIID 55 KD SUBUNIT (TAFII-55).	sptrembl O13701	ND
932	435.8	HYPOTHETICAL 38.3 KD PROTEIN IN CWLA-CISA INTERGENIC REGION.	swissprot P45946	ND
933	435.7	O-METHYLTRANSFERASE.	sptrembl O67476	ND
934	435.5	ARG-6 PROTEIN PRECURSOR [CONTAINS: N-ACETYL-GAMMA-GLUTAMYL-PHOSPHATE REDUCTASE (EC 1.2.1.38) (N-ACETYL-GLUTAMATE	swissnew P54898	ND

		SEMIALDEHYDE DEHYDROGENASE) (NAGSA DEHYDROGENASE); ACETYLGLUTAMATE KINASE (EC 2.7.2.8) (NAG KINASE) (AGK) (N- ACETYL-L-GLUTAMATE 5- PHOSPHOTRANSFERASE)].		
935	435.5	IMPORTIN ALPHA SUBUNIT.	sptrembl O94374	ND
936	435.3	HYPOTHETICAL 46.5 KD PROTEIN.	sptrembl O07730	ND
937	435.2	UBIQUITIN-CONJUGATING ENZYME E2-16 KD.	tremblnew CAB54826	ND
938	434.3	HYPOTHETICAL 34.8 KD PROTEIN C4H3.04C IN CHROMOSOME I.	swissprot Q10212	ND
939	433.8	F26A3.2 PROTEIN.	sptrembl Q93594	Transcription
940	432.9	DYNAMIN-RELATED PROTEIN.	sptrembl P87320	ND
941	432.8	HYPOTHETICAL 42.7 KD PROTEIN (FRAGMENT).	tremblnew CAB61449	ND
942	431.3	CHROMOSOME XV READING FRAME ORF YOL119C.	sptrembl Q08268	ND
943	429.4	Aminopeptidase.	geneseqp W05589	ND
944	429.4	Phosphoglycerate kinase.	geneseqp R22095	ND
945	428.9	ADENYLYL CYCLASE.	tremblnew AAD50121	ND
946	426.5	UBIQUITIN CARBOXYL- TERMINAL HYDROLASE (EC 3.1.2.15).	tremblnew AAF01440	ND
947	426.3	HYPOTHETICAL 46.7 KD PROTEIN C19G10.05 IN CHROMOSOME I.	swissprot Q10335	ND
948	426.3	RIBOSOMAL PROTEIN S30.	sptrembl O14314	ND
949	426.2	GLUCAN 1,3-BETA- GLUCOSIDASE PRECURSOR (EC 3.2.1.58) (EXO-1,3-BETA- GLUCANASE) (GP29).	swissprot P15703	ND
950	424.9	RIBULOSE-PHOSPHATE 3- EPIMERASE (EC 5.1.3.1) (PENTOSE-5-PHOSPHATE 3- EPIMERASE) (PPE) (RPE).	swissnew P46969	Carbohydrate transport and metabolism
951	423.9	CHROMOSOME XV READING FRAME ORF YOR161C.	sptrembl Q12412	ND
952	422.7	PYRUVATE DEHYDROGENASE E1 COMPONENT BETA SUBUNIT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.1)	swissprot Q09171	ND

		(PDHE1-B).		
953	422.5	SPLICING FACTOR U2AF 59 KD SUBUNIT.	tremblnew CAB46760	ND
954	421.2	ASPARTATE AMINOTRANSFERASE, MITOCHONDRIAL PRECURSOR (EC 2.6.1.1) (TRANSAMINASE A) (GLUTAMATE OXALOACETATE TRANSAMINASE-2).	swissprot P05202	ND
955	420.9	ESTERASE HDE.	sptrembl Q9XDR4	Lipid metabolism
956	420.8	ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).	swissprot P16928	ND
957	420.1	6-PHOSPHOGLUCONATE DEHYDROGENASE, DECARBOXYLATING.	tremblnew CAA22536	Carbohydrate transport and metabolism
958	419.9	60S RIBOSOMAL PROTEIN L29 (YL43).	swissprot P05747	ND
959	418.4	PUTATIVE NUCLEOPORIN.	tremblnew CAB63497	ND
960	417.7	60S RIBOSOMAL PROTEIN L39 (YL36).	swissprot P05767	Translation, ribosomal structure and biogenesis
961	417.0	PUTATIVE CELL WALL PROTEIN.	sptrembl O74708	ND
962	416.6	THIAMINE BIOSYNTHETIC BIFUNCTIONAL ENZYME [INCLUDES: THIAMINE-PHOSPHATE PYROPHOSPHORYLASE (EC 2.5.1.3) (TMP PYROPHOSPHORYLASE) (TMP- PPASE); HYDROXYETHYLTHIAZOLE KINASE (EC 2.7.1.50) (4-METHYL-5-BETA-HYDROXYETHYLTHIAZOLE KINASE) (THZ KINASE) (TH KINASE)].	swissprot P41835	ND
963	415.6	NUCLEASE.	sptrembl O60168	ND
964	415.3	HYPOTHETICAL 41.9 KD PROTEIN IN HAC1-CAK1 INTERGENIC REGION.	swissprot P43567	Amino acid transport and metabolism
965	415.0	HYPOTHETICAL 42.5 KD PROTEIN.	sptrembl O53311	ND
966	414.8	CELLULAR NUCLEIC ACID BINDING PROTEIN HOMOLOG.	swissprot P36627	ND
967	414.2	PROBABLE ALPHA-GLUCOSIDASE YIL172C/YJL221C (EC	swissprot P40439	Carbohydrate transport and metabolism

		3.2.1.20) (MALTASE).		
968	413.0	PROTEIN KINASE (FRAGMENT).	sptrembl Q41384	ND
969	413.0	TRNA SPLICING PROTEIN SPL1.	swissprot P87185	Amino acid transport and metabolism
970	412.7	CPC3 PROTEIN.	sptrembl O74297	ND
971	412.6	ADRENOLEUKODYSTROPHY PROTEIN (ALDP).	swissprot P33897	ND
972	412.5	CYTOCHROME B2 PRECURSOR (EC 1.1.2.3) (L-LACTATE DEHYDROGENASE (CYTOCHROME)) (L-LACTATE FERRICYTOCHROME C OXIDOREDUCTASE) (L-LCR).	swissprot P00175	ND
973	412.4	GLYCINE-RICH RNA-BINDING PROTEIN (FRAGMENT).	sptrembl Q39105	ND
974	410.8	HYPOTHETICAL 8.9 KD PROTEIN.	tremblnew CAB52163	ND
975	410.4	HYPOTHETICAL 60.1 KD PROTEIN C23C11.06C IN CHROMOSOME I.	swissprot O13912	ND
976	410.2	OXIDOREDUCTASE, SHORT CHAIN DEHYDROGENASE/REDUCTASE FAMILY.	sptrembl Q9WYD3	ND
977	409.5	F-ACTIN CAPPING PROTEIN ALPHA-2 SUBUNIT (CAPZ 36/32) (BETA-ACTININ SUBUNIT I).	swissprot P28497	ND
978	409.0	RNA BINDING PROTEIN - PUTATIVE PRE MRNA SPLICING FACTOR.	sptrembl O74919	ND
979	408.7	PUTATIVE DNA-3-METHYLADENINE GLYCOSIDASE (EC 3.2.2.20).	tremblnew CAB42917	ND
980	408.1	ALP11 PROTEIN.	swissprot Q10235	ND
981	407.9	SMALL ZINC FINGER-LIKE PROTEIN.	sptrembl Q9Y8A7	ND
982	407.8	PHOSPHATIDYLINOSITOL 4-KINASE STT4 (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KINASE).	swissprot P37297	ND
983	406.3	F-ACTIN CAPPING PROTEIN BETA SUBUNIT (CAPZ).	swissprot P47756	ND
984	406.1	MITOCHONDRIAL RESPIRATORY CHAIN COMPLEXES ASSEMBLY PROTEIN AFG3 (EC 3.4.24.-) (TAT-BINDING HOMOLOG	swissprot P39925	Posttranslational modification, protein turnover, chaperones

		10).		
985	405.7	HYPOTHETICAL OXIDOREDUCTASE C23D3.11 IN CHROMOSOME I (EC 1.-.-.-).	swissnew Q09851	ND
986	405.3	SCD2 PROTEIN.	swissprot P40996	ND
987	405.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sptrembl Q48361	ND
988	404.8	FOLYLPOLYGLUTAMATE SYNTHETASE.	sptrembl Q9Y893	Coenzyme metabolism
989	404.4	CLOCK-CONTROLLED GENE-6 PROTEIN.	sptrembl O74694	ND
990	404.3	36.7 KD PROTEIN IN CBR5- NOT3 INTERGENIC REGION.	swissprot P40531	ND
991	404.1	OLIGO-1,6-GLUCOSIDASE (EC 3.2.1.10) (SUCRASE- ISOMALTASE) (LIMIT DEXTRINASE) (ISOMALTASE) (DEXTRIN 6-ALPHA-D- GLUCANOHYDROLASE).	swissprot P29094	ND
992	404.0	DNA-DIRECTED RNA POLYMERASE II 14.2 KD POLYPEPTIDE (EC 2.7.7.6) (B12.6).	swissprot P27999	ND
993	403.4	C. albicans antigenic protein 4.	geneseqp Y06928	ND
994	401.8	MULTIDRUG RESISTANCE- ASSOCIATED PROTEIN 3.	swissprot O88563	ND
995	401.8	COP9 COMPLEX SUBUNIT 4.	sptrembl Q9Y677	ND
996	401.1	PEROXISOMAL MEMBRANE PROTEIN PER10 (PEROXIN-14).	swissprot P78723	ND
997	400.6	QUINONE OXIDOREDUCTASE (EC 1.6.5.5) (NADPH:QUINONE REDUCTASE).	swissprot P43903	ND
998	400.3	HYPOTHETICAL 23.4 KD PROTEIN.	sptrembl Q03201	Translation, ribosomal structure and biogenesis
999	399.5	40S RIBOSOMAL PROTEIN S25 PRECURSOR (S31) (YS23) (RP45).	swissprot P07282	ND
1000	399.0	HYPOTHETICAL 49.4 KD PROTEIN.	sptrembl P71984	Energy production and conversion
1001	398.7	40S RIBOSOMAL PROTEIN S29-B (S36) (YS29).	swissprot P41058	Translation, ribosomal structure and biogenesis
1002	398.4	PUTATIVE MITOCHONDRIAL CARRIER YEL006W.	swissprot P39953	ND
1003	398.1	PUTATIVE ATP-	sptrembl O13792	ND

		DEPENDENT RNA HELICASE C17G6.14C.		
1004	397.7	ABC TRANSPORTER PROTEIN ATRC.	sptrembl Q9Y748	ND
1005	395.7	VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS5.	swissprot Q92331	ND
1006	395.6	CHORISMATE SYNTHASE (EC 4.6.1.4) (5- ENOLPYRUVYLSHIKIMATE -3-PHOSPHATE PHOSPHOLYASE).	swissprot Q12640	ND
1007	395.1	PUTATIVE METAL TRANSPORTER.	sptrembl O94639	ND
1008	393.8	PUTATIVE MICROSOMAL DIPEPTIDASE PRECURSOR (EC 3.4.13.19) (MDP).	sptrembl O14124	ND
1009	393.0	INTRACELLULAR METALLOPROTEINASE MEPB.	sptrembl P97996	ND
1010	392.8	HYPOTHETICAL 52.4 KD PROTEIN IN ATP1-ROX3 INTERGENIC REGION PRECURSOR.	swissprot P38169	Coenzyme metabolism
1011	392.7	CODED FOR BY C. ELEGANS CDNA YK20F6.3.	sptrembl Q18599	ND
1012	391.5	SEPTIN HOMOLOG SPN2.	tremblnew CAB57440	ND
1013	391.4	TREHALASE PRECURSOR (EC 3.2.1.28) (ALPHA,ALPHA- TREHALASE) (ALPHA,ALPHA- TREHALOSE GLUCOHYDROLASE).	swissprot P32359	ND
1014	391.1	PUTATIVE PROTEIN TRANSPORT PROTEIN SEC61 GAMMA SUBUNIT.	swissprot Q09827	ND
1015	390.2	H(+)/MONOSACCHARIDE COTRANSPORTER.	sptrembl O13411	ND
1016	390.2	HYPOTHETICAL 14.5 KD PROTEIN C6F12.04 IN CHROMOSOME I.	sptrembl O14223	ND
1017	390.1	PUTATIVE SNRNP SM-LIKE PROTEIN.	sptrembl Q9Y7M4	ND
1018	387.3	CHITINASE.	tremblnew BAA88380	ND
1019	387.3	NONHISTONE CHROMOSOMAL PROTEIN 6B.	swissprot P11633	ND
1020	387.2	Y48B6A.11 PROTEIN.	tremblnew CAB54451	ND
1021	386.7	CHROMOSOME XV READING FRAME ORF YOR286W.	sptrembl Q08742	ND
1022	386.0	PROBABLE TRANSPORTER	swissprot P25621	ND

		FEN2.		
1023	385.5	3-KETOACYL-COA THIOLASE B, PEROXISOMAL PRECURSOR (EC 2.3.1.16) (BETA- KETOTHIOLASE B) (ACETYL-COA ACYLTRANSFERASE B) (PEROXISOMAL 3- OXOACYL- COA THIOLASE B) (THIOLASE IB).	swissnew P33291	ND
1024	385.4	NON-FUNCTIONAL FOLATE BINDING PROTEIN.	sptrembl O14597	ND
1025	385.2	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl O74741	ND
1026	384.4	60S RIBOSOMAL PROTEIN L28.	tremblnew CAA22600	ND
1027	384.2	HYPOTHETICAL 54.7 KD PROTEIN.	sptrembl Q9Y827	ND
1028	384.2	PUTATIVE MITOCHONDRIAL CARRIER C8C9.12C.	sptrembl O14281	ND
1029	384.0	CARNITINE RACEMASE HOMOLOG.	sptrembl O23300	ND
1030	383.9	STAM-LIKE PROTEIN, VHS DOMAIN CONTAINING, PUTATIVE SIGNAL TRANSDUCING ADAPTOR.	sptrembl O74749	ND
1031	383.5	INACTIVE ISOCITRATE LYASE (EC 4.1.3.1) (ISOCITRASE) (ISOCITRATASE) (ICL).	swissprot Q12031	ND
1032	383.5	HYPOTHETICAL 21.4 KD PROTEIN C19A8.14 IN CHROMOSOME I.	sptrembl O13830	ND
1033	383.0	MANNOSE-6-PHOSPHATE ISOMERASE (EC 5.3.1.8) (PHOSPHOMANNOSE ISOMERASE) (PMI) (PHOSPHOHEXOMUTASE).	swissprot P29951	ND
1034	382.9	HYPOTHETICAL 36.9 KD PROTEIN C21E11.07 IN CHROMOSOME I.	swissprot Q09929	ND
1035	381.6	SERYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.11) (SERINE--TRNA LIGASE) (SERRS).	swissprot O14018	ND
1036	381.3	YMCIP.	sptrembl Q12002	ND
1037	381.0	PXP-18.	tremblnew BAA85152	ND
1038	380.7	PUTATIVE MAJOR FACILITATOR FAMILY MULTI-DRUG RESISTANCE PROTEIN.	sptrembl O94343	ND
1039	380.6	SIMILAR TO ACYL-COA	sptrembl Q19781	ND

		THIOESTERASE. NCBI GI: 1213545.		
1040	380.5	CGI-83 PROTEIN.	sptrembl Q9Y392	ND
1041	380.4	SIMILARITY TO S. CEREVISIAE HYPOTHETICAL PROTEIN L8083.10.	sptrembl Q05515	ND
1042	379.7	DTDP-4-KETO-6-DEOXY-D-GLUCOSE 4-REDUCTASE.	tremblnew CAB56837	ND
1043	379.5	URACIL PHOSPHORIBOSYLTRANSFERASE (EC 2.4.2.9) (UMP PYROPHOSPHORYLASE) (UPRTASE).	swissnew P18562	ND
1044	377.9	WCOR719.	sptrembl Q43655	ND
1045	377.6	HYPOTHETICAL 117.2 KD PROTEIN IN EXO70-ARP4 INTERGENIC REGION.	swissprot P47029	ND
1046	377.1	F54C4.2 PROTEIN.	tremblnew AAC68775	ND
1047	376.6	XAA-PRO DIPEPTIDASE (EC 3.4.13.9) (X-PRO DIPEPTIDASE) (PROLINE DIPEPTIDASE) (PROLIDASE) (IMIDODIPEPTIDASE) (PEPTIDASE 4).	swissprot Q11136	ND
1048	375.4	60S RIBOSOMAL PROTEIN L6, MITOCHONDRIAL PRECURSOR (YML6).	swissprot P32904	ND
1049	375.3	GLUCOSE TRANSPORTER TYPE 3, BRAIN.	swissprot P11169	ND
1050	375.0	Human Ras protein RAPR-1.	geneseqp Y29666	ND
1051	374.8	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (EC 1.10.2.2) (COMPLEX III SUBUNIT VII).	swissprot P49345	ND
1052	374.7	ATGRP2 (GLYCINE-RICH RNA-BINDING PROTEIN).	sptrembl Q41988	ND
1053	374.4	Fragment of human secreted protein encoded by gene 3.	geneseqp W78239	ND
1054	374.3	HYPOTHETICAL 25.7 KD PROTEIN.	sptrembl Q9Y7M6	ND
1055	374.1	SIMILAR TO RAT SYNAPTIC GLYCOPROTEIN SC2.	sptrembl O94511	ND
1056	373.8	UVSB PI-3 KINASE.	tremblnew AAD54313	ND
1057	373.8	CHROMOSOME XV READING FRAME ORF YOR052C.	sptrembl Q08422	ND
1058	373.3	TRANSLATIONAL ACTIVATOR GCN1.	swissprot P33892	ND
1059	373.1	HYPOTHETICAL 43.9 KD	tremblnew	ND

		PROTEIN.	CAB62419	
1060	372.9	HYPOTHETICAL 34.0 KD PROTEIN IN CTF13-YPK2 INTERGENIC REGION.	swissprot Q03161	ND
1061	372.7	MITOCHONDRIAL PROCESSING PEPTIDASE BETA SUBUNIT PRECURSOR (EC 3.4.24.64) (BETA-MPP) (UBIQUINOL- CYTOCHROME C REDUCTASE COMPLEX CORE PROTEIN I) (EC 1.10.2.2).	swissprot P11913	ND
1062	372.3	PUTATIVE SUGAR TRANSPORTER.	sptrembl O48537	ND
1063	371.2	SHORT-CHAIN ALCOHOL DEHYDROGENASE-LIKE PROTEIN.	tremblnew CAB63154	ND
1064	371.2	Protein encoded by open reading frame 3 (ORF-3, dszC) of dsz cluster.	geneseqp W97051	ND
1065	369.4	CHROMOSOME XV READING FRAME ORF YOL092W.	sptrembl Q12010	ND
1066	369.3	DNASE1 PROTEIN.	tremblnew CAB63906	ND
1067	369.1	PUTATIVE STEROID BINDING PROTEIN.	tremblnew AAD23019	ND
1068	368.8	Human dUTPase (mitochondrial form).	geneseqp W30281	ND
1069	368.5	CHIP6.	sptrembl O93841	ND
1070	368.4	CHROMOSOME XV READING FRAME ORF YOR021C.	sptrembl Q12314	ND
1071	368.3	HYPOTHETICAL 29.3 KD PROTEIN C31G5.18C IN CHROMOSOME I.	sptrembl O14113	ND
1072	368.3	HYPOTHETICAL 90.1 KD PROTEIN C23H4.15 IN CHROMOSOME I.	sptrembl O13956	ND
1073	367.9	CYTOCHROME C HEME LYASE (EC 4.4.1.17) (CCHL) (HOLOCYTOCHROME-C SYNTHASE).	swissnew P14187	ND
1074	367.8	PROBABLE DOLICHYL- PHOSPHATE-MANNOSE-- PROTEIN MANNOSYLTRANSFERASE C16C6.09 (EC 2.4.1.109).	swissprot O42933	ND
1075	367.8	HYPOTHETICAL 187.1 KD PROTEIN IN OGG1-CNA2 INTERGENIC REGION.	swissnew Q04958	ND
1076	367.7	HYPOTHETICAL 38.5 KD PROTEIN.	sptrembl O74959	ND
1077	367.6	PROBABLE GLUCAN 1,3- BETA-GLUCOSIDASE	swissprot Q10444	ND

		PRECURSOR (EC 3.2.1.58) (EXO-1,3-BETA-GLUCANASE).		
1078	367.5	ANTHRANILATE PHOSPHORIBOSYLTRANSFERASE (EC 2.4.2.18).	swissnew O60122	ND
1079	367.2	HYPOTHETICAL 10.4 KD PROTEIN.	sptrembl O43002	ND
1080	367.2	HYPOTHETICAL 27.0 KD PROTEIN C12B10.13 IN CHROMOSOME I.	swissprot Q10446	ND
1081	366.7	HYPOTHETICAL 33.9 KD PROTEIN C14C4.12C IN CHROMOSOME I.	swissprot O13719	ND
1082	366.3	PDI RELATED PROTEIN A.	sptrembl O93914	ND
1083	366.3	DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN (OLIGOSACCHARYLTRANSFERASE).	sptrembl O59866	ND
1084	366.2	HYPOTHETICAL 24.8 KD PROTEIN.	tremblnew CAB54811	ND
1085	366.2	PHGA PROTEIN.	sptrembl O96904	ND
1086	366.0	HYPOTHETICAL 69.0 KD PROTEIN IN PPX1-RPS4B INTERGENIC REGION.	swissprot P38887	Nucleotide transport
1087	365.8	RIBOSOMAL PROTEIN S5 (FRAGMENT).	tremblnew BAA25815	ND
1088	365.7	HYPOTHETICAL 31.6 KD PROTEIN.	sptrembl O94465	ND
1089	365.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
1090	365.7	HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION.	swissprot P53915	ND
1091	365.5	CURVED DNA-BINDING PROTEIN (42 KD PROTEIN).	swissprot Q09184	ND
1092	364.6	ACETATE KINASE (EC 2.7.2.1) (ACETOKINASE).	swissnew Q59331	ND
1093	363.9	NADH-UBIQUINONE OXIDOREDUCTASE 29.9 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-29.9KD) (CI-29.9KD).	swissprot P24919	ND
1094	363.8	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
1096	363.4	T22K18.2 PROTEIN.	tremblnew AAF04409	ND
1097	363.4	FRUCTOSYL AMINE:OXYGEN OXIDOREDUCTASE.	sptrembl O42629	ND
1098	363.1	HYPOTHETICAL 55.5 KD PROTEIN.	sptrembl O82645	ND
1099	361.7	UBIQUITIN-CONJUGATING	swissprot P40984	ND

		ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE HUS5) (UBIQUITIN CARRIER PROTEIN HUS5).		
1100	360.9	SERINE/THREONINE-PROTEIN KINASE IRE1 PRECURSOR (EC 2.7.1.-).	swissprot P32361	ND
1101	360.5	HYPOTHETICAL 61.8 KD PEPTIDASE IN MPR1-GCN20 INTERGENIC REGION (EC 3.4.-.-).	swissprot P43590	ND
1102	360.2	MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (MPG1 TRANSFERASE) (ATP-MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE)	sptrembl O74624	ND
1103	359.6	ERP6 PROTEIN PRECURSOR.	swissprot P53198	ND
1104	359.2	HYPOTHETICAL 26.7 KD PROTEIN C3G9.15C IN CHROMOSOME I.	sptrembl O42877	ND
1105	358.7	PUTATIVE GTP CYCLOHYDROLASE.	tremblnew CAB65619	ND
1106	358.3	HYPOTHETICAL 77.8 KD PROTEIN.	sptrembl O74828	ND
1107	358.1	CALCIUM/PROTON EXCHANGER.	sptrembl O59940	ND
1108	358.0	GLUCOSIDASE 558 aa	pdb 1UOK	ND
1109	357.9	JM5 PROTEIN.	sptrembl Q9Y484	ND
1110	357.7	CKS1 protein.	geneseqp W01557	ND
1111	357.7	MDM10 GENE.	sptrembl O13498	ND
1112	356.7	NADPH QUINONE OXIDOREDUCTASE, PUTATIVE.	tremblnew AAF12387	ND
1113	356.4	PUTATIVE SPINDLE POLE BODY ASSOCIATED PROTEIN.	sptrembl Q9Y705	ND
1114	355.8	CHROMOSOME XV READING FRAME ORF YOR306C.	sptrembl Q08777	ND
1115	354.7	PUTATIVE PROTEASE.	sptrembl Q9X7U3	ND
1116	354.7	HYPOTHETICAL PROTEIN.	sptrembl Q12486	ND
1117	354.6	PUTATIVE SIGNAL TRANSDUCTION PROTEIN.	sptrembl O94321	ND
1118	354.3	60S RIBOSOMAL PROTEIN L16, MITOCHONDRIAL PRECURSOR (YML47).	swissprot P38064	ND
1119	354.1	ELONGATION FACTOR G 1, MITOCHONDRIAL PRECURSOR (MEF-G-1).	swissprot P25039	ND
1120	353.7	HYPOTHETICAL 183.1 KD	sptrembl O14148	ND

		HELICASE C3G6.12 IN CHROMOSOME I.		
1121	353.1	FOLYLPOLYGLUTAMATE SYNTHETASE (EC 6.3.2.17).	sptrembl O13492	ND
1122	352.4	DLTE PROTEIN.	swissprot P39577	ND
1123	351.8	PSI-7 PROTEIN.	sptrembl O13444	ND
1124	351.7	W02A2.5 PROTEIN.	sptrembl Q9XUB4	ND
1125	351.6	HYPOTHETICAL ZINC-TYPE ALCOHOL DEHYDROGENASE-LIKE PROTEIN IN GDH3-CNE1 INTERGENIC REGION.	swissprot P39714	ND
1126	351.3	CELL DIFFERENTIATION PROTEIN RCD1.	sptrembl Q92368	ND
1127	351.1	CONSERVED HYPOTHETICAL NIFU-LIKE PROTEIN.	tremblnew CAB52604	ND
1128	351.1	TRANSLATION INITIATION FACTOR EIF-2B ALPHA SUBUNIT.	tremblnew CAB57849	ND
1129	351.0	26S PROTEASE REGULATORY SUBUNIT 6A (TAT-BINDING PROTEIN HOMOLOG 1) (TBP-1).	swissprot P33297	ND
1130	350.5	PUTATIVE 26S PROTEASOME SUBUNIT.	tremblnew CAB63792	ND
1131	350.4	HYPOTHETICAL 26.5 KD PROTEIN C24B11.05 IN CHROMOSOME I.	swissprot Q09893	ND
1132	350.3	HYPOTHETICAL 83.0 KD PROTEIN IN ATP1-ROX3 INTERGENIC REGION.	swissprot P38170	ND
1133	349.8	PUTATIVE 60S ACIDIC RIBOSOMAL PROTEIN.	tremblnew CAB59805	ND
1134	349.8	DJ747H23.3 (N-ACETYLGLUCOSAMINE-PHOSPHATE MUTASE) (FRAGMENT).	tremblnew CAB52346	ND
1135	349.7	ACETOACETYL-COA SYNTHETASE (EC 6.2.1.16).	sptrembl Q9Z3R3	ND
1136	349.2	60S RIBOSOMAL PROTEIN L38.	tremblnew CAB54810	ND
1137	347.8	HYPOTHETICAL 82.9 KD PROTEIN.	sptrembl O42958	ND
1138	347.8	HYPOTHETICAL 30.9 KD PROTEIN.	sptrembl O95564	ND
1139	347.7	HYPOTHETICAL 51.9 KD PROTEIN IN PYC1-UBC2 INTERGENIC REGION.	swissprot P53170	ND
1140	347.0	Human actVA-ORF4-like protein sequence.	geneseqp Y14147	ND
1141	346.9	PUTATIVE POLY(A)-BINDING PROTEIN FABM.	sptrembl Q92227	ND
1142	346.2	DJ1014D13.1 (PROTEINS HSPC021 AND HSPC025	tremblnew CAB62978	ND

		(SIMILAR TO C. ELEGANS FAT-3 ALCOHOL DEHYDROGENASE)) (FRAGMENT).		
1143	346.0	CULLIN HOMOLOG 3 (CUL-3).	swissprot Q09760	ND
1144	345.0	SPHINGOMYELIN PHOSPHODIESTERASE (EC 3.1.4.12) (ACID SPHINGOMYELINASE) (NEUTRAL SPHINGOMYELINASE).	sptrembl Q16841	ND
1145	344.3	ENOYL-COA HYDRATASE, MITOCHONDRIAL PRECURSOR (EC 4.2.1.17) (SHORT CHAIN ENOYL-COA HYDRATASE) (SCEH) (ENOYL-COA HYDRATASE 1).	swissprot P14604	ND
1146	343.8	ESTS AU078175(C51476).	tremblnew BAA85408	ND
1147	342.8	MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS).	swissprot P42801	ND
1148	342.8	3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE.	sptrembl O53665	ND
1149	342.7	HYPOTHETICAL 62.7 KD PROTEIN C29A3.06 IN CHROMOSOME II.	sptrembl P78750	ND
1150	341.9	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
1151	341.7	HYPOTHETICAL 27.7 KD PROTEIN IN PRP19-HSP104 INTERGENIC REGION.	swissprot Q07821	ND
1152	341.6	PUTATIVE TRANSPORTER PROTEIN.	tremblnew CAB61275	ND
1153	340.9	NADH-CYTOCHROME B5 REDUCTASE PRECURSOR (EC 1.6.2.2) (P34/P32).	swissprot P36060	ND
1154	340.3	PUTATIVE OXIDOREDUCTASE.	tremblnew CAB53292	ND
1155	339.8	AMINOPEPTIDASE C (EC 3.4.22.-).	swissprot Q48543	ND
1156	339.5	PUTATIVE PRE-MRNA SPLICING FACTOR C22A12.09C.	sptrembl O13900	ND
1157	339.0	COPPER AMINE OXIDASE 1 (EC 1.4.3.6).	swissprot Q12556	ND
1158	338.9	S-ADENOSYLMETHIONINE SYNTHETASE (EC 2.5.1.6) (METHIONINE ADENOSYLTRANSFERASE) (ADOMET SYNTHETASE).	swissprot P48466	ND
1159	338.3	CONSERVED PROTEIN.	sptrembl O26459	ND
1160	338.1	PUTATIVE	sptrembl O59824	ND

		METALLOPEPTIDASE.		
1161	337.4	SIMILAR TO YEAST VACUOLAR SORTING PROTEIN VPS29/PEP11.	tremblnew CAB52425	ND
1162	337.4	PMT3P.	sptrembl O74186	ND
1163	336.8	3-KETOACYL-COA THIOLASE B, PEROXISOMAL PRECURSOR (EC 2.3.1.16) (BETA- KETOTHIOLASE B) (ACETYL-COA ACYLTRANSFERASE B) (PEROXISOMAL 3-OXOACYL- COA THIOLASE B).	swissnew P07871	ND
1164	335.8	PEROXISOMAL MEMBRANE PROTEIN PEX16 (PEROXIN-16).	swissprot P78980	ND
1165	335.8	CYTOCHROME B5 CONTAINING FUSION PROTEIN.	sptrembl Q43469	ND
1166	335.1	2-NITROPROPANE DIOXYGENASE (NCD2).	sptrembl O28109	ND
1167	334.6	HYPOTHETICAL 25.4 KD PROTEIN IN GUT1-RIM1 INTERGENIC REGION.	swissprot P38736	ND
1168	334.3	G/T MISMATCH-SPECIFIC THYMINE DNA GLYCOSYLASE (EC 3.2.2.-) (C-JUN LEUCINE ZIPPER INTERACTIVE PROTEIN JZA-3).	swissprot P56581	ND
1169	334.2	PROBABLE ELECTRON TRANSFER FLAVOPROTEIN ALPHA-SUBUNIT PRECURSOR (ALPHA-ETF).	swissprot P78790	ND
1170	333.9	PROBABLE GLUTAMINYL-TRNA SYNTHETASE.	sptrembl Q9Y7Y8	ND
1171	333.2	CYTOCHROME P450 MONOOXYGENASE (FRAGMENT).	sptrembl O64410	ND
1172	332.2	PEROXISOMAL MEMBRANE PROTEIN.	sptrembl Q9Y8B8	ND
1173	330.7	SHORT-CHAIN ALCOHOL DEHYDROGENASE.	tremblnew AAB51228	ND
1174	330.6	CRB3 PROTEIN.	swissprot Q10272	ND
1175	330.6	HYPOTHETICAL 126.1 KD PROTEIN.	sptrembl O94676	ND
1176	330.2	AUTOPHAGOCYTOSIS PROTEIN AUT1.	swissprot P40344	ND
1177	329.6	TTP1 PROTEIN.	swissprot P38069	ND
1178	329.6	HYPOTHETICAL 51.4 KD PROTEIN C13G1.09 IN CHROMOSOME II.	swissprot O60071	ND
1179	329.5	SERYL-TRNA SYNTHETASE,	swissprot P07284	ND

		CYTOPLASMIC (EC 6.1.1.11) (SERINE--TRNA LIGASE) (SERRS).		
1180	328.9	HYPOTHETICAL 13.0 KS PROTEIN.	sptrembl P79082	ND
1181	328.6	ATP11 PROTEIN PRECURSOR.	swissprot P32453	ND
1182	328.3	GNS1/SUR4 FAMILY PROTEIN.	tremblnew CAB61470	ND
1183	327.6	GRG-1 PROTEIN.	sptrembl Q9Y836	ND
1184	326.3	HYPOTHETICAL PROTEIN C26F1.01 IN CHROMOSOME I (FRAGMENT).	swissprot Q10491	ND
1185	326.2	HEMOLYSIN.	sptrembl Q17063	ND
1186	325.6	PROBABLE ATP- DEPENDENT PERMEASE YHL035C.	swissprot P38735	ND
1187	325.1	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB54870	ND
1188	324.9	HYPOTHETICAL 15.9 KD PROTEIN.	tremblnew CAB52421	ND
1189	324.7	HYPOTHETICAL 15.4 KD PROTEIN C10F6.16 IN CHROMOSOME I.	sptrembl P79058	ND
1190	324.6	HYPOTHETICAL 31.0 KD PROTEIN IN GAP1-NAP1 INTERGENIC REGION.	swissprot P36136	ND
1191	324.5	PROBABLE CYTOCHROME C OXIDASE POLYPEPTIDE VIA PRECURSOR (EC 1.9.3.1).	swissprot O74471	ND
1192	323.4	ANUCLEATE PRIMARY STERIGMATA PROTEIN.	swissprot Q00083	ND
1193	322.9	LECTIN (FRAGMENT).	tremblnew AAD27887	ND
1194	322.5	PROTEIN SERINE/THREONINE PHOSPHATASE ALPHA.	sptrembl O96914	ND
1195	321.7	SLA2P.	sptrembl O94097	ND
1196	321.7	HYPOTHETICAL 42.4 KD PROTEIN IN CDC12-ORC6 INTERGENIC REGION.	swissprot P38716	ND
1197	321.5	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
1198	320.5	PUTATIVE CHOLINE KINASE (EC 2.7.1.32).	swissprot Q10276	ND
1199	320.5	GLUCOAMYLASE PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4- ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P36914	ND
1200	319.7	60S RIBOSOMAL PROTEIN L27A (L29).	swissprot P78987	ND
1201	319.7	F26H9.6 PROTEIN.	sptrembl P91857	ND
1202	319.2	PROBABLE METABOLITE	sptrembl O94342	ND

		TRANSPORT PROTEIN.		
1203	319.0	HYPOTHETICAL 33.9 KD ESTERASE IN SMC3-MRPL8 INTERGENIC REGION (EC 3.1.1.1).	swissprot P40363	ND
1204	318.8	RIBOSOMAL PROTEIN S28.	tremblnew CAB56815	ND
1205	317.8	CELL CYCLE INHIBITOR NIF1.	sptrembl P87159	ND
1206	317.8	GLUCOSE OXIDASE (EC 1.1.3.4).	tremblnew BAA86908	ND
1208	317.1	SIMILAR TO SDH4P.	sptrembl Q06236	ND
1209	316.7	PHOSPHATE/PHOSPHOENO LPYRUVATE TRANSLOCATOR PRECURSOR.	sptrembl P93390	ND
1210	316.4	SERINE THREONINE PROTEIN KINASE.	sptrembl Q9Y7V4	ND
1211	315.4	HYPOTHETICAL 29.0 KD PROTEIN.	sptrembl Q9Y7C9	ND
1212	314.6	Human prostate/colon tumour suppressor protein form 2.	geneseqp R85334	ND
1213	313.8	50S RIBOSOMAL PROTEIN L1.	swissprot P36248	ND
1214	313.8	HYPOTHETICAL 15.4 KD PROTEIN C16C10.11 IN CHROMOSOME III.	swissprot Q09254	ND
1215	313.3	HYPOTHETICAL 20.5 KD PROTEIN IN ESR1-IRA1 INTERGENIC REGION.	swissprot P38276	ND
1216	313.1	CHROMOSOME XII READING FRAME ORF YLL032C.	sptrembl Q07834	ND
1217	312.9	ADENYLYL CYCLASE- ASSOCIATED PROTEIN (CAP).	swissprot P36621	ND
1218	312.6	FREQUENCY CLOCK PROTEIN.	swissnew Q00586	ND
1219	312.4	HIGH AFFINITY METHIONINE PERMEASE.	swissprot P50276	ND
1220	312.2	PUTATIVE SHORT-CHAIN DEHYDROGENASE.	sptrembl Q9Y7P2	ND
1221	312.0	ARYL-ALCOHOL OXIDASE PRECURSOR (EC 1.1.3.7).	sptrembl O94219	ND
1222	311.6	RIBOSE-PHOSPHATE PYROPHOSPHOKINASE (EC 2.7.6.1) (PHOSPHORIBOSYL PYROPHOSPHATE SYNTHETASE).	swissprot P41831	ND
1223	311.5	PROBABLE URACIL PHOSPHORIBOSYLTRANSF ERASE.	tremblnew CAB65617	ND
1224	310.7	CGI-82 PROTEIN.	sptrembl Q9Y391	ND
1225	310.5	HYPOTHETICAL UBIQUINOL-CYTOCHROME	sptrembl O42932	ND

		C REDUCTASE COMPONENT.		
1226	310.3	HYPOTHETICAL 28.1 KD PROTEIN.	sptrembl O13850	ND
1227	310.3	PROTEASOME SUBUNIT P55.	sptrembl O00232	ND
1228	310.0	NADH DEHYDROGENASE SUBUNIT.	sptrembl Q01388	ND
1229	310.0	CHITINASE PRECURSOR.	sptrembl Q42421	ND
1230	309.6	CHROMOSOME XII READING FRAME ORF YLL058W.	sptrembl Q12198	ND
1231	309.3	T02D1.5 PROTEIN.	sptrembl O45730	ND
1232	308.2	HYPOTHETICAL 34.1 KD PROTEIN.	tremblnew CAB43297	ND
1233	308.2	L-FUCOSE PERMEASE.	swissprot P44776	ND
1234	307.9	PHO85P,LPH16P.	sptrembl Q02979	ND
1235	307.6	LYSOPHOSPHOLIPASE HOMOLOG.	sptrembl O18501	ND
1236	307.0	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING PROTEIN QP-C (EC 1.10.2.2) (UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 11 KD PROTEIN) (COMPLEX III SUBUNIT VIII).	swissprot P48503	ND
1237	307.0	HYPOTHETICAL 16.9 KD PROTEIN IN ALD6-PDR12 INTERGENIC REGION.	swissprot Q02784	ND
1238	306.9	HYPOTHETICAL 102.7 KD PROTEIN IN PRP16-SRP40 INTERGENIC REGION.	swissprot P36165	ND
1239	306.8	ADENYLOSUCCINATE SYNTHETASE, MUSCLE ISOZYME (EC 6.3.4.4) (IMP--ASPARTATE LIGASE).	swissprot P28650	ND
1240	306.4	ADENYLATE KINASE 2 (EC 2.7.4.3) (ATP-AMP TRANSPHOSPHORYLASE).	swissprot P26364	ND
1241	305.7	RNA BINDING PROTEIN - PUTATIVE PRE MRNA SPLICING FACTOR.	sptrembl O74919	ND
1242	305.7	PUTATIVE PHOSHOMEVALONATE KINASE.	tremblnew CAB52264	ND
1243	305.6	HYPOTHETICAL 24.1 KD PROTEIN.	sptrembl O94389	ND
1244	305.6	ARG-6 PROTEIN PRECURSOR [CONTAINS: N-ACETYL-GAMMA-GLUTAMYL-PHOSPHATE REDUCTASE (EC 1.2.1.38) (N-ACETYL-GLUTAMATE	swissnew P54898	ND

		SEMIALDEHYDE DEHYDROGENASE) (NAGSA DEHYDROGENASE); ACETYLGLUTAMATE KINASE (EC 2.7.2.8) (NAG KINASE) (AGK) (N- ACETYL-L-GLUTAMATE 5- PHOSPHOTRANSFERASE)].		
1245	305.5	Chlamydia pneumoniae transmembrane protein sequence.	geneseqp Y34630	Posttranslational modification, protein turnover, chaperones
1246	305.2	PUTATIVE RNA MATURATION PROTEIN.	sptrembl O94689	ND
1247	305.2	CYTOSKELETAL P17 PROTEIN (COACTOSIN) (CYCLIC AMP-REGULATED PROTEIN P16).	swissprot P34121	ND
1248	304.7	UDP- GLUCURONOSYLTRANSFE RASE 2C1 MICROSOMAL (EC 2.4.1.17) (UDPGT) (FRAGMENT).	swissprot P36514	ND
1249	304.5	C-RECEPTOR.	sptrembl Q9Y5Y0	ND
1250	304.4	THIOREDOXIN-LIKE PROTEIN.	tremblnew CAB54816	ND
1251	303.8	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
1252	303.6	PUTATIVE POLYA- BINDING PROTEIN.	sptrembl O94430	ND
1253	303.2	MITOCHONDRIAL FAD CARRIER PROTEIN FLX1.	sptrembl O13660	ND
1254	303.1	AMINOPEPTIDASE-LIKE PROTEIN.	tremblnew CAB36783	ND
1255	302.8	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q41814	ND
1256	302.6	SIMILAR TO MITOCHONDRIAL ADP/ATP CARRIER PROTEIN.	sptrembl Q06497	ND
1257	301.9	POSSIBLE COPPER TRANSPORT PROTEIN CTR2 (COPPER TRANSPORTER 2).	swissprot P38865	ND
1258	301.8	HYPOTHETICAL 38.6 KD PROTEIN.	sptrembl O86705	ND
1259	301.4	PJCHI-2.	sptrembl P91773	ND
1260	300.6	F14F9.5 PROTEIN.	tremblnew AAC69210	ND
1261	300.1	HYPOTHETICAL 20.5 KD PROTEIN C31F10.12 IN CHROMOSOME II.	sptrembl P87313	ND
1262	299.9	N. crassa mtr gene product.	geneseqp R79909	ND
1263	299.5	PUTATIVE DNA	sptrembl O94263	ND

		POLYMERASE EPSILON, SUBUNIT B.		
1264	299.0	Human actVA-ORF4-like protein sequence.	geneseqp Y14147	ND
1265	298.8	HYPOTHETICAL ZINC- TYPE ALCOHOL DEHYDROGENASE-LIKE PROTEIN IN GDH3-CNE1 INTERGENIC REGION.	swissprot P39713	ND
1266	298.4	CHROMOSOME XII COSMID 8167.	sptrembl Q05791	ND
1267	298.2	H04M03.4 PROTEIN.	tremblnew AAD12787	ND
1268	297.5	D8035.11P.	sptrembl Q03322	ND
1269	297.2	HYPOTHETICAL 65.3 KD PROTEIN K12H4.7 IN CHROMOSOME III.	swissprot P34528	ND
1270	297.1	Protein of the specification.	geneseqp W62553	ND
1271	296.4	PET191 PROTEIN PRECURSOR.	swissprot Q02772	ND
1272	296.4	HYPOTHETICAL 22.7 KD PROTEIN.	sptrembl O60073	ND
1273	296.2	CAMP-DEPENDENT PROTEIN KINASE CATALYTIC SUBUNIT.	sptrembl Q9Y777	ND
1274	296.2	PUTATIVE ELONGATION FACTOR 3.	sptrembl O94489	ND
1275	296.0	HYPOTHETICAL 140.6 KD PROTEIN C19A8.02 IN CHROMOSOME I.	sptrembl O13818	ND
1276	295.3	HYPOTHETICAL 30.8 KD PROTEIN IN DUP2-TIF4632 INTERGENIC REGION.	swissprot P53177	ND
1277	295.3	CHROMOSOME XV READING FRAME ORF YOR301W.	sptrembl Q08760	ND
1278	294.6	PUTATIVE TRANSLOCATION PROTEIN C2F3.02.	sptrembl O14085	ND
1279	294.1	BETA-MANNANASE.	tremblnew CAB56855	ND
1280	293.5	HYPOTHETICAL 16.8 KD PROTEIN IN SMY2-RPS6B INTERGENIC REGION.	swissprot P38293	ND
1281	293.2	PROBABLE UDP-N- ACETYLGLUCOSAMINE PYROPHOSPHORYLASE (EC 2.7.7.23).	swissprot O64765	ND
1282	293.1	IKI3 PROTEIN.	swissprot Q06706	ND
1283	292.8	METHYLMALONYL-COA DECARBOXYLASE GAMMA CHAIN.	tremblnew CAB49799	ND
1284	292.8	UV-INDUCED PROTEIN UVI31.	swissprot Q12238	ND
1285	292.7	HYPOTHETICAL 50.6 KD	sptrembl O14336	ND

1302	288.1	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9WZQ7	ND
1303	287.1	CYTOCHROME B5 (FRAGMENT).	sptrembl O24651	ND
1304	286.7	SUR2 PROTEIN (SYRINGOMYCIN RESPONSE PROTEIN 2).	swissprot P38992	ND
1305	286.0	PUTATIVE TARTRATE TRANSPORTER.	swissprot P70786	ND
1306	285.5	ER LUMEN PROTEIN RETAINING RECEPTOR (HDEL RECEPTOR).	swissprot P18414	ND
1307	285.1	SORBITOL DEHYDROGENASE (EC 1.1.1.14) (L-IDITOL 2- DEHYDROGENASE).	swissprot Q06004	ND
1308	285.0	DNA BINDING PROTEIN NSDD.	sptrembl Q92226	ND
1309	284.4	KIAA1273 PROTEIN (FRAGMENT).	tremblnew BAA86587	ND
1310	284.3	QUINATE PERMEASE (QUINATE TRANSPORTER).	swissprot P11636	ND
1311	284.3	IMPORTIN BETA SUBUNIT.	sptrembl O74476	ND
1312	284.1	PROBABLE TRANSPORTER SEO1.	swissprot P39709	ND
1313	283.6	VACUOLAR ATP SYNTHASE 98 KD SUBUNIT (EC 3.6.1.34) (VACUOLAR ATPASE 98 KD SUBUNIT).	swissprot Q01290	ND
1314	283.5	40S RIBOSOMAL PROTEIN S26E (CRP5) (13.6 KD RIBOSOMAL PROTEIN).	swissprot P21772	ND
1315	283.4	GLUTAMINE REPEAT PROTEIN 1.	sptrembl Q61118	ND
1316	283.3	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
1317	283.2	VACUOLAR PROTEIN SORTING-LIKE PROTEIN.	tremblnew CAB41098	ND
1318	283.1	HYPOTHETICAL 31.6 KD PROTEIN.	sptrembl Q9Y7Z5	ND
1319	282.8	PUTATIVE CARBOXYPEPTIDASE S PRECURSOR (EC 3.4.17.4) (YSCS) (GLY-X CARBOXYPEPTIDASE).	sptrembl O13968	ND
1320	282.2	PUTATIVE ALDOSE 1- EPIMERASE.	tremblnew CAB62725	ND
1321	282.2	GLYCYL TRNA SYNTHETASE (FRAGMENT).	tremblnew AAC71652	ND
1322	281.7	TRANSCRIPTIONAL ACTIVATOR.	sptrembl O42804	ND
1323	281.6	Omega-cyclohexane fatty acid biosynthesis enzyme #1 ORF6.	geneseqp W71638	ND
1324	281.0	TOXD PROTEIN.	swissprot P54006	ND
1325	280.9	ADRENAL GLAND	tremblnew	ND

		PROTEIN AD-002.	AAF14858	
1326	280.7	TRNA-SPLICING ENDONUCLEASE SUBUNIT SEN2 (EC 3.1.27.9) (TRNA- INTRON ENDONUCLEASE).	swissprot P16658	ND
1327	280.6	TRK-1 PROTEIN.	sptrembl O74723	ND
1328	280.4	HYPOTHETICAL 89.6 KD PROTEIN C3H8.11 IN CHROMOSOME I.	swissnew Q10146	ND
1329	280.4	CHROMOSOME XII COSMID 9672.	sptrembl Q06541	ND
1330	280.4	HYPOTHETICAL 22.3 KD PROTEIN.	sptrembl O67071	ND
1331	280.4	HYPOTHETICAL 86.4 KD PROTEIN IN PHO5-VPS15 INTERGENIC REGION.	swissprot P38254	ND
1332	280.4	FISSION YEAST (FRAGMENT).	sptrembl P78758	ND
1333	279.9	INOSITOL POLYPHOSPHATE-5- PHOSPHATASE, 75 KDA (INOSITOL POLYPHOSPHATE 5- PHOSPHATASE II).	sptrembl O54996	ND
1334	279.5	NADH-UBIQUINONE OXIDOREDUCTASE 17.8 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-17.8KD) (CI- 17.8KD).	swissprot P42116	ND
1335	278.8	PUTATIVE TRANSCRIPTION FACTOR, CCR4- ASSOCIATED FACTOR HOMOLOG.	sptrembl O74856	ND
1336	278.3	NODULIN PRECURSOR.	sptrembl Q41402	ND
1337	278.2	CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT AAB-1.	sptrembl O13381	ND
1338	278.2	HYPOTHETICAL 31.4 KD PROTEIN.	sptrembl Q9X7W7	ND
1339	278.1	HYDROXYQUINOL 1,2- DIOXYGENASE.	sptrembl Q9ZAM3	ND
1340	277.7	HYPOTHETICAL 61.9 KD PROTEIN.	tremblnew CAB58161	ND
1341	277.7	HYPOTHETICAL 39.4 KD PROTEIN IN MET1-SIS2 INTERGENIC REGION.	swissprot P36151	ND
1342	277.0	CELL DIVISION PROTEIN KINASE 7 (EC 2.7.1.-) (CDK- ACTIVATING KINASE) (CAK) (MO15 HOMOLOG).	swissprot P54685	ND
1343	276.5	CURVED DNA-BINDING PROTEIN (42 KD PROTEIN).	swissprot Q09184	ND
1344	276.2	COSMID T20B6.	sptrembl O02049	ND
1345	275.7	26S PROTEASOME REGULATORY SUBUNIT	swissprot P32496	ND

		NIN1 (NUCLEAR INTEGRITY PROTEIN 1).		
1346	275.5	HYPOTHETICAL 12.6 KD PROTEIN C1D7.01 IN CHROMOSOME II.	swissprot O14334	ND
1347	275.4	MAF1 PROTEIN.	swissprot P41910	ND
1348	274.8	SNM 1-2 TS (FRAGMENT).	sptrembl Q07072	ND
1349	274.5	NADH-UBIQUINONE OXIDOREDUCTASE 9.5 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-9.5KD) (CI-9.5) (UBIQUINONE-BINDING PROTEIN).	swissprot P42117	ND
1350	274.1	HYPOTHETICAL 16.2 KD PROTEIN C3D6.08C IN CHROMOSOME II.	swissprot P87173	ND
1351	274.1	PUTATIVE CHOLINE KINASE.	sptrembl O81024	ND
1352	273.5	CHITINASE PRECURSOR.	sptrembl Q42421	ND
1353	273.4	PENTALENENE SYNTHASE (EC 4.6.1.5).	swissprot Q55012	ND
1354	273.0	GLUTAMINYL-PEPTIDE CYCLOTRANSFERASE PRECURSOR (EC 2.3.2.5) (QC) (GLUTAMINYL-TRNA CYCLOTRANSFERASE) (GLUTAMINYL CYCLASE).	swissprot Q28120	ND
1355	272.4	STRONG SIMILARITY TO HUMAN LEUKOTRIENE A-4 HYDROLASE.	sptrembl O94544	ND
1356	272.1	KIAA0150 PROTEIN (FRAGMENT).	sptrembl Q14163	ND
1357	271.6	SQUALENE EPOXIDASE (EC 1.14.99.7).	tremblnew AAD10823	ND
1358	271.1	HYPOTHETICAL 44.9 KD PROTEIN IN URA10-NRC1 INTERGENIC REGION.	swissprot Q03529	ND
1359	270.1	30 KD HEAT SHOCK PROTEIN.	swissprot P19752	ND
1360	270.0	GLYCEROL KINASE (ATP:GLYCEROL 3-PHOSPHOTRANSFERASE) (EC 2.7.1.30).	tremblnew CAB58269	ND
1361	270.0	HYPOTHETICAL 31.3 KD HOMEBOX PROTEIN IN PRP20-VPS45 INTERGENIC REGION.	swissprot P53147	ND
1362	270.0	5',5'''-P-1,P-4-TETRAPHOSPHATE PHOSPHORYLASE II (EC 2.7.7.53) (DIADENOSINE 5',5'''-P1,P4-TETRAPHOSPHATE PHOSPHORYLASE) (AP-4-A PHOSPHORYLASE) (AP,A PHOSPHORYLASE) (ATP ADENYLYLTRANSFERASE)	swissprot P49348	ND

1363	269.7	PEROXISOMAL RECEPTOR FOR PTS2-CONTAINING PROTEINS PEX7P.	sptrembl O59894	ND
1364	269.6	HYPOTHETICAL 27.1 KD PROTEIN C26H5.13C IN CHROMOSOME I.	sptrembl O13994	ND
1365	269.4	ISOLEUCYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS).	swissprot P09436	ND
1366	269.3	Intact natural cutinase of <i>Fusarium solani</i> pisi.	geneseqp R06610	ND
1367	268.8	OXIDOREDUCTASE, ALDO/KETO REDUCTASE FAMILY.	sptrembl Q9X0A1	ND
1368	268.8	TRANSCRIPTION INITIATION FACTOR TFIID (TATA-BOX FACTOR) (TATA SEQUENCE-BINDING PROTEIN) (TBP).	swissprot Q12731	ND
1369	268.7	PUTATIVE TRANSCRIPTION FACTOR OF THE GCS1-GLO3-SPS18 FAMILY.	sptrembl O74345	ND
1370	268.6	HYPOTHETICAL 18.5 KD PROTEIN B0024.12 IN CHROMOSOME V.	sptrembl Q17427	ND
1371	268.3	2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.2) (ALPHA-KETOGLUTARATE DEHYDROGENASE).	swissprot P20967	ND
1372	268.1	HYPOTHETICAL 51.0 KD PROTEIN IN YIP3-TFC5 INTERGENIC REGION.	swissprot P53960	ND
1373	268.1	OLIGOSACCHARYLTRANSFERASE.	sptrembl O43244	ND
1374	267.2	SYMBIOSIS-RELATED PROTEIN.	swissprot P87068	ND
1375	266.3	HYPOTHETICAL 130.1 KD PROTEIN YPR021C.	sptrembl Q12139	ND
1376	266.1	2-PYRONE-4,6-DICARBOXYLIC ACID HYDROLASE.	sptrembl O87170	ND
1377	265.8	HYPOTHETICAL 94.9 KD PROTEIN IN MRPL8-NUP82 INTERGENIC REGION.	swissprot P40367	ND
1378	264.9	HYPOTHETICAL 34.9 KD PROTEIN IN SMI1-PHO81 INTERGENIC REGION.	swissprot P50085	ND
1379	264.5	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND

1380	264.5	HYPOTHETICAL FUNGAL ZN(2)-CYS(6) ZINC-FINGER PROTEIN.	tremblnew CAB57441	ND
1381	264.5	HOMOSERINE DEHYDROGENASE (EC 1.1.1.3) (HDH).	swissnew P31116	ND
1382	264.4	CHITIN BIOSYNTHESIS PROTEIN CHS5.	swissprot O74161	ND
1383	264.3	SCN1 PROTEIN.	swissprot P41890	ND
1384	263.4	PUTATIVE PRE-MRNA SPLICING FACTOR.	sptrembl Q9ZT71	ND
1385	263.1	FUSCA PROTEIN FUS6.	swissprot P45432	ND
1386	263.0	VERSCOLORIN B SYNTHASE.	sptrembl Q12062	ND
1387	263.0	PUTATIVE SUGAR TRANSPORTER.	sptrembl Q9XIH7	ND
1388	262.8	CLOCK-CONTROLLED GENE-6 PROTEIN.	sptrembl O74694	ND
1389	262.5	PUTATIVE EXOCYST COMPLEX COMPONENT.	sptrembl O74846	ND
1390	262.2	RIBOKINASE.	tremblnew AAF12258	ND
1391	262.2	HYPOTHETICAL ZINC METALLOPROTEINASE YIL108W (EC 3.4.24.-).	swissprot P40483	ND
1392	262.0	PUTATIVE MITOCHONDRIAL CARRIER YMR166C.	swissprot Q03829	ND
1393	261.8	D8035.13P.	sptrembl Q03327	ND
1394	261.7	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
1395	261.6	PUTATIVE ACETYLTRANSFERASE ATS1.	sptrembl P79081	ND
1396	260.8	QUINIC ACID UTILIZATION ACTIVATOR.	swissprot P10563	ND
1397	260.2	Whale mat sample AD3059 esterase es4.	geneseqp W23084	ND
1398	260.2	TRANSCRIPTION FACTOR ATF21.	sptrembl P78962	ND
1399	260.1	PUTATIVE ATP SYNTHASE J CHAIN, MITOCHONDRIAL (EC 3.6.1.34).	swissprot O13931	ND
1400	258.5	MSF1 PROTEIN.	swissprot P35200	ND
1401	258.5	PUTATIVE PHOSPHOMEVALONATE KINASE.	tremblnew CAB52264	ND
1402	258.4	CYTOCHROME C OXIDASE COPPER CHAPERONE.	swissprot Q12287	ND
1403	258.3	CUT8 PROTEIN.	swissprot P38937	ND
1404	257.7	K09H11.1 PROTEIN.	sptrembl O01590	ND
1405	257.6	NAD-DEPENDENT 4-HYDROXYBUTYRATE DEHYDROGENASE (EC 1.1.1.61) (4HBD).	sptrembl Q59104	ND
1406	257.4	DIHYDROLIPOAMIDE SUCCINYLTRANSFERASE.	tremblnew AAD47296	ND

1407	257.3	HYPOTHETICAL 63.9 KD PROTEIN IN IME2-MEF2 INTERGENIC REGION.	swissprot P42948	ND
1408	257.3	PROBABLE STERIGMATOCYSTIN BIOSYNTHESIS P450 MONOOXYGENASE STCB (EC 1.14.-.-) (CYTOCHROME P450 62).	swissprot Q12608	ND
1409	257.3	SCP160 PROTEIN (PROTEIN HX).	swissprot P06105	ND
1410	257.1	2,4'-DIHYDROXYACETOPHENONE DIOXYGENASE (EC 1.13.11.41) (FRAGMENT).	tremblnew CAB53781	ND
1411	256.7	LAMINARINASE.	sptrembl O52754	ND
1412	256.6	PUTATIVE N-TERMINAL ACETYLTRANSFERASE COMPLEX SUBUNIT, ARD1 FAMILY.	tremblnew CAB52427	ND
1413	256.3	SERINE/THREONINE-PROTEIN KINASE SAT4 (EC 2.7.1.-).	swissprot P25333	ND
1414	256.1	YGL010W-LIKE PROTEIN.	sptrembl O65074	ND
1415	255.7	ANNEXIN VII (SYNEXIN).	swissprot Q92125	ND
1416	255.7	FUN34 PROTEIN.	swissprot P32907	ND
1417	255.1	F55A11.3 PROTEIN.	sptrembl Q20798	ND
1418	255.0	PEROXISOMAL 2,4-DIENOYL COA REDUCTASE PX-2,4-DCR#1.	tremblnew AAF14047	ND
1419	254.9	PUTATIVE MITOCHONDRIAL CARRIER PROTEIN.	sptrembl O94502	ND
1420	254.5	ZINC CLUSTER TRANSCRIPTION FACTOR FCR1P.	sptrembl O93870	ND
1421	254.3	PROBABLE COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).	swissprot P87140	ND
1422	254.0	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB57439	ND
1423	253.6	XYLITOL DEHYDROGENASE (EC 1.1.1.9).	sptrembl O74230	ND
1424	253.3	SEC63 PROTEIN.	tremblnew CAB46275	ND
1425	253.2	HYPOTHETICAL OXIDOREDUCTASE IN MRPL44-MTF1 INTERGENIC REGION (EC 1.-.-.-).	swissprot Q05016	ND
1426	252.9	PROBABLE LYSYL-TRNA SYNTHETASE (EC 6.1.1.6) (LYSINE--TRNA LIGASE) (LYSRS).	swissprot Q22099	ND
1427	252.8	Trichoderma reesei ACEI	geneseqp	ND

1447	247.6	1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE 1 (EC 3.1.4.11) (PLC-1) (PHOSPHOLIPASE C-1).	swissnew P40977	ND
1448	246.6	CYTOCHROME C OXIDASE COPPER CHAPERONE.	swissprot Q12287	ND
1449	246.5	Mycobacterium tuberculosis 55 kDa protein.	geneseqp W31855	ND
1450	245.9	SIMILAR TO AAC-RICH MRNA CLONE AAC11 PROTEIN.	sptrembl Q22204	ND
1451	245.5	AUTOPHAGY PROTEIN APG6.	swissprot Q02948	ND
1452	245.3	Maize UDP-glucose dehydrogenase Zmudpgdh2.	geneseqp Y06307	ND
1453	244.0	HYDROXYPROLINE-RICH GLYCOPROTEIN PRECURSOR.	sptrembl Q41719	ND
1454	243.9	HYPOTHETICAL 36.4 KD PROTEIN IN SMP1-MBA1 INTERGENIC REGION.	swissprot P38298	ND
1455	243.6	CLOCK-CONTROLLED GENE-6 PROTEIN.	sptrembl O74694	ND
1456	243.4	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
1457	243.4	AMINOPEPTIDASE II (EC 3.4.11.-) (YSCII).	swissprot P32454	ND
1458	243.1	F17A22.8 PROTEIN.	sptrembl O82238	ND
1459	243.0	AUTOIMMUNE REGULATOR.	tremblnew AAD46421	ND
1460	242.9	HYPOTHETICAL 76.3 KD ZINC FINGER PROTEIN IN KTR5-UME3 INTERGENIC REGION.	swissprot P53968	ND
1461	242.8	ALCOHOL DEHYDROGENASE.	sptrembl O94564	ND
1462	242.8	PUTATIVE CYTOCHROME C OXIDASE POLYPEPTIDE.	sptrembl O94705	ND
1463	242.8	PROTEIN KINASE CHK1.	tremblnew CAA22551	ND
1464	242.5	SIMILAR TO GVPD HALHA.	sptrembl Q05775	ND
1465	241.9	HYPOTHETICAL 80.9 KD PROTEIN (FRAGMENT).	tremblnew CAB60246	ND
1466	241.8	HYPOTHETICAL 53.5 KD PROTEIN C1F5.07C IN CHROMOSOME I.	swissprot Q10062	ND
1467	241.7	FISSION YEAST (FRAGMENT).	sptrembl P78824	ND
1468	241.6	OPSIN-1.	tremblnew AAD45253	ND
1469	241.3	HYPOTHETICAL 43.1 KD PROTEIN C16E9.14C IN	sptrembl O14329	ND

		CHROMOSOME II.		
1470	241.0	POSITIVE SULPHUR TRANSCRIPTION REGULATOR METR.	sptrembl Q9Y8B4	ND
1471	241.0	PHOSPHATE-REPRESSIBLE PHOSPHATE PERMEASE.	swissprot P15710	ND
1472	240.9	HYPOTHETICAL TRANSMEMBRANE PROTEIN.	sptrembl O94060	ND
1473	240.9	HYPOTHETICAL 11.7 KD PROTEIN C6B12.13 IN CHROMOSOME I.	swissprot O14218	ND
1474	240.7	HYPOTHETICAL 19.6 KD PROTEIN IN PYK1-SNC1 INTERGENIC REGION.	swissprot P28005	ND
1475	240.7	HYPOTHETICAL 8.7 KD PROTEIN.	sptrembl Q9ZRV8	ND
1476	240.0	LETHAL(2)TUMOROUS IMAGINAL DISCS.	sptrembl Q27237	ND
1477	239.7	HYPOTHETICAL 16.6 KD PROTEIN.	sptrembl O07408	ND
1478	239.7	Human 5' EST secreted protein SEQ ID NO: 470.	geneseqp Y12157	ND
1479	239.4	HYDROXYPROLINE-RICH GLYCOPROTEIN PRECURSOR.	sptrembl Q41719	ND
1480	239.3	MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L25 (YML25).	swissprot P23369	ND
1481	239.0	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
1482	239.0	OXIDOREDUCTASE OF SHORT-CHAIN.	sptrembl Q9X9U8	ND
1483	238.7	PROH (FRAGMENT).	sptrembl O07508	ND
1484	238.7	Y25C1A.7B PROTEIN.	tremblnew AAD12839	ND
1485	238.3	CYTOCHROME C OXIDASE ASSEMBLY PROTEIN COX15.	swissprot P40086	ND
1486	238.1	DNA REPAIR PROTEIN RHP55 (RAD55 HOMOLOG).	swissnew O14129	ND
1487	238.1	PEPTIDE SYNTHASE.	sptrembl O69825	ND
1488	238.0	KIAA1286 PROTEIN (FRAGMENT).	tremblnew BAA86600	ND
1489	237.9	EXTENSIN (FRAGMENT).	sptrembl O49870	ND
1490	237.7	GLYCOPROTEIN X PRECURSOR.	swissprot P28968	ND
1491	237.6	GLUTATHIONE S- TRANSFERASE YA (EC 2.5.1.18) (LIGANDIN) (CHAIN 1) (GST CLASS- ALPHA) (CLONES PGTR112 & PGTB38).	swissprot P04903	ND
1492	236.4	HYPOTHETICAL 29.0 KD PROTEIN.	sptrembl Q9ZDI5	ND

		LCR).		
1513	231.9	ACR-2 PROTEIN.	sptrembl P78704	ND
1514	231.5	MSS51 PROTEIN.	swissprot P32335	ND
1515	231.4	Yeast proteasome YC1 subunit.	geneseqp R22996	ND
1516	231.3	ISOLEUCYL-TRNA SYNTHETASE.	tremblnew CAB52155	ND
1517	231.1	CELL WALL-PLASMA MEMBRANE LINKER PROTEIN.	sptrembl Q39353	ND
1518	231.0	PROLINE-RICH PROTEOGLYCAN PRPG2.	sptrembl Q07611	ND
1519	231.0	Fusarium oxysporum DSM 2672 endoglucanase.	geneseqp R25527	ND
1520	231.0	SARCOPLASMIC RETICULUM HISTIDINE-RICH CALCIUM-BINDING PROTEIN PRECURSOR (HCP).	swissprot P16230	ND
1521	230.8	HYPOTHETICAL 28.3 KD PROTEIN (FRAGMENT).	tremblnew CAB55927	ND
1522	230.4	HYPOTHETICAL 80.2 KD PROTEIN.	sptrembl O74423	ND
1523	230.1	BCDNA.LD28419.	tremblnew AAD55441	ND
1524	229.9	TRANSLOCATION ELONGATION FACTOR.	sptrembl O74945	ND
1525	229.9	HYPOTHETICAL 93.5 KD PROTEIN.	sptrembl O59744	ND
1526	229.7	HYPOTHETICAL 29.3 KD PROTEIN (ORF92).	swissprot O10341	ND
1527	229.7	RIBOSOMAL PROTEIN L41.	sptrembl Q9Y710	ND
1528	229.7	HYPOTHETICAL NUCLEAR PROTEIN (FRAGMENT).	tremblnew BAA87112	ND
1529	229.4	NEUROLYSIN PRECURSOR (EC 3.4.24.16) (NEUROTENSIN ENDOPEPTIDASE) (MITOCHONDRIAL OLIGOPEPTIDASE M) (MICROSOMAL ENDOPEPTIDASE) (MEP) (SOLUBLE ANGIOTENSIN-BINDING PROTEIN) (SABP) (ENDOPEPTIDASE 24.16).	swissnew Q02038	ND
1530	229.3	TREHALASE PRECURSOR (EC 3.2.1.28) (ALPHA,ALPHA-TREHALASE) (ALPHA,ALPHA-TREHALOSE GLUCOHYDROLASE).	swissprot O43280	ND
1531	229.1	ASPARTIC PROTEINASE MKC7 PRECURSOR (EC 3.4.23.-).	swissprot P53379	ND
1532	229.1	PHOSPHOLIPASE A2	sptrembl Q9Y5L1	ND

		ACTIVATING PROTEIN.		
1533	229.0	WUGSC:H_GS098E02.1 PROTEIN (FRAGMENT).	tremblnew AAF19251	ND
1534	228.9	T6C23.12 PROTEIN.	tremblnew AAF22917	ND
1535	228.4	Malassezia fungus MF-7 antigenic protein.	geneseqp W29774	ND
1536	228.3	MNN4 PROTEIN.	swissprot P36044	ND
1537	227.9	HYPOTHETICAL TRANSMEMBRANE PROTEIN.	sptrembl O94060	ND
1538	227.7	SYNTAXIN BINDING PROTEIN 1, SEC1 FAMILY SECRETOR Y PROTEIN.	sptrembl O94590	ND
1539	227.6	NUCLEAR PORE COMPLEX GLYCOPROTEIN P62.	sptrembl O57397	ND
1540	226.9	HUMAN 4F5S HOMOLOG.	tremblnew CAB59614	ND
1541	226.5	CHROMOSOME XVI READING FRAME ORF YPL264C.	sptrembl Q08980	ND
1542	226.4	PALMITOYL-PROTEIN THIOESTERASE PRECURSOR.	sptrembl O59747	ND
1543	226.0	PUTATIVE MEMBRANE GLYCOPROTEIN.	sptrembl Q9Y7Y6	ND
1544	225.3	Human secreted protein encoded by 5' EST SEQ ID NO: 222.	geneseqp Y13208	ND
1545	225.1	VELVET A.	sptrembl O74625	ND
1546	225.0	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y785	ND
1547	224.9	Protease biosynthetic protein.	geneseqp P70581	ND
1548	224.9	ARGININE METABOLISM REGULATION PROTEIN II.	swissprot P05085	ND
1549	224.6	BCDNA.GH06451.	tremblnew AAD55420	ND
1550	224.6	ORF YBR199W (FRAGMENT).	sptrembl P89506	ND
1551	224.5	PUTATIVE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN YMR188C.	swissprot Q03246	ND
1552	223.8	MANNOSE-SPECIFIC LECTIN PRECURSOR (FRAGMENT).	sptrembl Q38726	ND
1553	223.3	ORF2 of Enod2b genomic clone.	geneseqp R04119	ND
1554	223.3	COSMID C27A2.	sptrembl Q18238	ND
1555	223.2	IKI3 PROTEIN.	swissprot Q06706	ND
1556	223.0	ALPHA-L- ARABINOFURANOSIDASE.	sptrembl Q9WYB7	ND
1557	222.9	PUTATIVE ENOYL-COA HYDRATASE.	sptrembl O53211	ND
1558	222.8	SUGAR TRANSPORTER STL1.	swissprot P39932	ND

1559	222.0	T4B21.2 PROTEIN.	sptrembl Q9ZS88	ND
1560	221.8	PUTATIVE PROTEOLIPID PROTEIN C2C4.13.	sptrembl O14046	ND
1561	221.6	PEROXISOMAL MEMBRANE PROTEIN PMP30B (PMP32) (PEROXIN-11B).	swissprot Q00317	ND
1562	221.1	HYPOTHETICAL 37.7 KD PROTEIN T09A5.8 IN CHROMOSOME III.	swissprot P45968	ND
1563	221.0	DJ1042K10.5 (NOVEL PROTEIN) (FRAGMENT).	sptrembl O95516	ND
1564	220.9	CLATHRIN LIGHT CHAIN.	tremblnew CAB42369	ND
1565	220.8	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
1566	220.7	NPGA PROTEIN.	tremblnew AAF12814	ND
1567	220.5	MUCIN (FRAGMENT).	sptrembl Q28501	ND
1568	220.5	PIUS.	tremblnew BAA87611	ND
1569	220.4	CHROMOSOME XV READING FRAME ORF YOR084W.	sptrembl Q12405	ND
1570	219.9	CYSTEINE-RICH PROTEIN (FRAGMENT).	sptrembl Q16861	ND
1571	219.6	HYPOTHETICAL 74.7 KD PROTEIN.	sptrembl O94033	ND
1572	219.4	HEAT SHOCK PROTEIN 70 HOMOLOG C57A7.12.	sptrembl P87142	ND
1573	219.2	EMM18.1.	sptrembl Q54703	ND
1574	218.8	HYPOTHETICAL 26.8 KD PROTEIN IN HYR1 3'REGION.	swissprot P40582	ND
1575	218.0	HYPOTHETICAL 23.2 KD PROTEIN IN SKM1-TRF4 INTERGENIC REGION.	swissprot Q12322	ND
1576	218.0	SIMILAR TO ALPHA-SNAP PROTEIN.	sptrembl Q18921	ND
1577	218.0	CHROMOSOME IV READING FRAME ORF YDL237W.	sptrembl Q07716	ND
1578	217.8	HYPOTHETICAL PROTEIN (FRAGMENT).	sptrembl Q12742	ND
1579	217.5	CHROMOSOME XV READING FRAME ORF YOL129W.	sptrembl Q12016	ND
1580	217.4	POTENTIAL MEMBRANE PROTEIN.	sptrembl O94006	ND
1581	217.3	CHROMOSOME IV READING FRAME ORF YDL144C.	sptrembl Q07589	ND
1582	217.2	LIGAND OF NUMB-PROTEIN X (LNXP80).	sptrembl O70263	ND

1583	217.0	PIG-B.	sptrembl Q92521	ND
1584	216.9	PHOSPHATIDYLSERINE SYNTHASE.	sptrembl Q9ZQW1	ND
1585	216.9	PUTATIVE CHOLINE KINASE.	sptrembl O81024	ND
1586	216.5	UV-DAMAGED DNA-BINDING PROTEIN- LIKE.	sptrembl O49552	ND
1587	216.1	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
1588	216.0	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9Y7J3	ND
1589	215.2	ANTIGEN 2.	sptrembl Q12295	ND
1590	215.0	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
1591	214.4	LET-756 PROTEIN.	sptrembl O76831	ND
1592	214.1	REPRESSIBLE ALKALINE PHOSPHATASE PRECURSOR (EC 3.1.3.1).	swissprot P11491	ND
1593	214.0	BACITRACIN SYNTHETASE 2 (BA2) (FRAGMENT).	tremblnew BAA36755	ND
1594	213.9	IMMUNOREACTIVE HEAT SHOCK PROTEIN DNAJ.	sptrembl Q9XCA6	ND
1595	213.9	HYPOTHETICAL 107.1 KD PROTEIN C24H6.11C IN CHROMOSOME I.	swissprot Q09764	ND
1596	213.7	HYPOTHETICAL 34.2 KD PROTEIN C31F10.07 IN CHROMOSOME II.	sptrembl P87308	ND
1597	213.4	HYPOTHETICAL 12.8 KD PROTEIN IN ARO9-SPS100 INTERGENIC REGION PRECURSOR.	swissprot P38841	ND
1598	213.1	HYPOTHETICAL PROTEIN C3C7.15C IN CHROMOSOME I (FRAGMENT).	sptrembl O14138	ND
1599	213.1	HARD SURFACE INDUCED PROTEIN 3.	tremblnew AAF00024	ND
1600	213.0	S18 CHORION PROTEIN.	sptrembl O62009	ND
1601	212.8	HYPOTHETICAL SH3-CONTAINING PROTEIN.	tremblnew CAB52037	ND
1602	212.4	ANKYRIN.	sptrembl Q24241	ND
1603	212.0	PEROXISOMAL MEMBRANE PROTEIN PER9 (PEROXIN-3).	swissprot Q01497	ND
1604	212.0	HYPOTHETICAL 26.3 KD PROTEIN IN OYE2-GND1 INTERGENIC REGION.	swissprot P38869	ND
1605	211.2	F24J5.8 PROTEIN.	tremblnew AAD49974	ND
1606	211.1	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q42366	ND
1607	210.5	HYPOTHETICAL RHO1 GDP-GTP EXCHANGE	sptrembl Q9Y7U5	ND

		PROTEIN.		
1608	209.8	PRB1M PROTEIN (FRAGMENT).	sptrembl Q16038	ND
1609	209.6	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9Y7P1	ND
1610	209.4	HYPOTHETICAL 30.3 KD PROTEIN.	sptrembl Q9ZC03	ND
1611	209.1	NONF.	sptrembl Q9XDF2	ND
1612	208.9	CAP22 PROTEIN.	sptrembl O94177	ND
1613	208.8	ORIGIN RECOGNITION COMPLEX SUBUNIT 1.	swissprot O74270	ND
1614	208.7	PUTATIVE SECRETED PROLINE-RICH PROTEIN.	tremblnew CAB63180	ND
1615	208.5	NON-CLASSICAL EXPORT PROTEIN NCE2.	swissprot Q12207	ND
1616	208.2	HYPOTHETICAL 36.8 KD PROTEIN.	sptrembl P71847	ND
1617	208.1	LIGF PROTEIN.	swissprot P30347	ND
1618	208.0	EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5).	swissprot P38431	ND
1619	207.2	PUTATIVE FRUCTOSYL AMINO ACID OXIDASE.	tremblnew CAB59618	ND
1620	207.0	RNA POLYMERASE II SUBUNIT RPB7 (FRAGMENT).	tremblnew CAA20136	ND
1621	206.7	KYNURENINASE (EC 3.7.1.3) (L-KYNURENINE HYDROLASE).	swissprot Q16719	ND
1622	206.3	HYPOTHETICAL 25.4 KD PROTEIN IN SAP185-BCK1 INTERGENIC REGION.	swissprot P40858	ND
1623	206.2	CPC3 PROTEIN.	sptrembl O74297	ND
1624	205.7	SEVERIN KINASE.	sptrembl O61122	ND
1625	205.7	HYPOTHETICAL 42.2 KD PROTEIN.	tremblnew CAB62412	ND
1626	205.6	HYPOTHETICAL PROTEIN HI0828.	swissprot P44887	ND
1627	205.2	DEVELOPMENTAL REGULATORY PROTEIN.	sptrembl Q00760	ND
1628	205.1	PUTATIVE GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1) (GAMMA-BUTYROBETAINE HYDROXYLASE) (GAMMA-BBH).	swissprot Q19000	ND
1629	204.9	Human epidermoid carcinoma cell line KB clone HP10301 protein.	geneseqp W64553	ND
1630	204.9	PROTEIN-TYROSINE PHOSPHATASE 99A PRECURSOR (EC 3.1.3.48) (RECEPTOR- LINKED	swissprot P35832	ND

		PROTEIN-TYROSINE PHOSPHATASE 99A).		
1631	204.3	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
1632	204.3	HYPOTHETICAL 26.2 KD PROTEIN IN SPC42-PTM1 INTERGENIC REGION.	swissprot P36095	ND
1633	204.3	PUTATIVE TRANSPORTER C11D3.18C.	swissprot Q10097	ND
1634	204.2	STERIGMATOCYSTIN BIOSYNTHESIS REGULATORY PROTEIN.	swissprot P52957	ND
1635	204.1	EXTENSIN PRECURSOR.	sptrembl Q40768	ND
1636	204.0	HYPOTHETICAL 29.9 KD PROTEIN IN APL6-MES1 INTERGENIC REGION.	swissprot P53323	ND
1637	204.0	PROLINE RICH PROTEIN PRECURSOR.	sptrembl Q43558	ND
1638	204.0	2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.2) (ALPHA-KETOGLUTARATE DEHYDROGENASE).	swissprot P20967	ND
1639	203.4	An enzyme with sugar transferase activity.	geneseqp W88044	ND
1640	203.4	AFLR REGULATORY PROTEIN.	sptrembl O94141	ND
1641	202.9	HYPOTHETICAL 28.8 KD PROTEIN IN PSD1-SKO1 INTERGENIC REGION.	swissprot P53889	ND
1642	202.3	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
1643	202.2	HYPOTHETICAL 28.2 KD PROTEIN IN GLNQ-ANSR INTERGENIC REGION.	swissprot P54549	ND
1644	202.2	F56H9.1 PROTEIN.	sptrembl Q20908	ND
1645	202.1	TRFA.	sptrembl O77033	ND
1646	202.1	HYPOTHETICAL PROTEIN (FRAGMENT).	tremblnew BAA87194	ND
1647	201.9	Human phosphodiesterase type IV D.	geneseqp R99743	ND
1648	201.0	Prod. of the AccI fragment of SHR3 gene.	geneseqp R34708	ND
1649	200.7	HYPOTHETICAL 33.4 KD PROTEIN C3A12.09C IN CHROMOSOME I.	sptrembl P87125	ND
1650	200.6	UL6 PROTEIN (FRAGMENT).	sptrembl Q65580	ND
1651	200.4	PUTATIVE 109.8 KD TRANSCRIPTIONAL REGULATORY PROTEIN IN SOK2-FMS1 INTERGENIC REGION.	swissprot P50104	ND
1652	200.4	HYPOTHETICAL 22.4 KD PROTEIN IN GCN20-CMK1	swissprot P43595	ND

		INTERGENIC REGION PRECURSOR.		
1653	199.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
1654	199.6	EXTENSIN (FRAGMENT).	sptrembl O49870	ND
1655	199.4	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
1656	199.1	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB52741	ND
1657	198.9	SALIVARY PROLINE-RICH PROTEIN RP4 PRECURSOR.	sptrembl Q04117	ND
1658	198.9	HYPOTHETICAL 26.5 KD PROTEIN C15A10.05C IN CHROMOSOME I.	swissprot O13725	ND
1659	198.9	40S RIBOSOMAL PROTEIN S8 (S14) (YS9) (RP19).	swissprot P05754	ND
1660	198.8	ZINC FINGER PROTEIN.	sptrembl O59811	ND
1661	198.4	E2F1-INDUCIBLE PROTEIN (FRAGMENT).	tremblnew AAD53115	ND
1662	198.2	Trichoderma reesei ACEII transcriptional activator protein.	geneseqp W58573	ND
1663	198.1	HYPOTHETICAL PROTEIN (FRAGMENT).	tremblnew BAA87194	ND
1664	197.9	Metal-regulated transporter polypeptide ZIP3.	geneseqp W41165	ND
1665	197.8	HYPOTHETICAL 26.8 KD PROTEIN.	sptrembl O65515	ND
1666	197.6	F56A11.6 PROTEIN.	sptrembl O44519	ND
1667	197.5	5'-AMP-ACTIVATED PROTEIN KINASE.	tremblnew CAA22634	ND
1668	197.5	GUANINE NUCLEOTIDE- BINDING PROTEIN GAMMA SUBUNIT.	swissprot P18852	ND
1669	197.4	HYPOTHETICAL 67.0 KD PROTEIN (FRAGMENT).	sptrembl O94367	ND
1670	197.4	RHODOPSIN (FRAGMENT).	tremblnew AAC27436	ND
1671	197.2	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q42366	ND
1672	197.1	OXOGLUTARATE MALATE TRANSLOCATOR.	sptrembl Q43649	ND
1673	196.9	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN (FRAGMENT).	sptrembl Q40552	ND
1674	196.7	SIMILARITY TO THE CDC2/CDX SUBFAMILY OF SER/THR PROTEIN KINASES.	sptrembl O01775	ND
1675	196.5	CELL WALL-PLASMA MEMBRANE LINKER PROTEIN.	sptrembl Q39353	ND
1676	195.9	HYPOTHETICAL 181.5 KD PROTEIN C23D3.13C IN CHROMOSOME I.	swissprot Q09853	ND
1677	195.6	SID478P.	tremblnew	ND

			BAA84693	
1678	195.1	HYPOTHETICAL 32.9 KD PROTEIN.	sptrembl Q9XA40	ND
1679	194.5	3' END (FRAGMENT).	sptrembl Q26893	ND
1680	194.2	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
1681	194.2	SIMILAR TO LONG TANDEM REPEAT REGION OF SIALIDASE.	sptrembl Q23635	ND
1682	194.1	PHOSPHOLIPID METHYLTRANSFERASE.	sptrembl P87300	ND
1683	194.0	DNA-DIRECTED RNA POLYMERASE I 13.7 KD POLYPEPTIDE (EC 2.7.7.6) (A12.2).	swissprot P32529	ND
1684	193.8	Mouse acylcoenzyme A:cholesterol acyltransferase II.	geneseqp W43408	ND
1685	193.4	Sugar beet chitinase 1.	geneseqp R28150	ND
1686	193.3	PROLINE-RICH CELL WALL PROTEIN.	sptrembl Q39789	ND
1687	193.2	SERINE-RICH PROTEIN.	sptrembl O94317	ND
1688	193.0	Trichoderma reesei ACEI transcriptional activator protein.	geneseqp W58572	ND
1689	192.9	HYPOTHETICAL 96.1 KD PROTEIN IN RIM1-RPS14A INTERGENIC REGION.	swissprot P25623	ND
1690	192.5	FIBRILLARIN.	swissprot Q22053	ND
1691	192.1	PUTATIVE COMPONENT OF CCAAT BINDING COMPLEX HAPC.	sptrembl Q00735	ND
1692	192.1	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P02840	ND
1693	192.0	PFC0175W PROTEIN.	sptrembl O97226	ND
1694	191.7	SERINE-RICH PROTEIN.	sptrembl O94317	ND
1695	191.6	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (FRAGMENT).	swissprot P35084	ND
1696	191.5	LEE1P.	sptrembl Q06701	ND
1697	191.0	HYPOTHETICAL NUCLEAR PROTEIN (FRAGMENT).	tremblnew BAA87304	ND
1698	191.0	VACUOLAR PROTEASE A PRECURSOR (EC 3.4.23.-).	swissprot Q01294	ND
1699	190.9	PUTATIVE 109.8 KD TRANSCRIPTIONAL REGULATORY PROTEIN IN SOK2-FMS1 INTERGENIC REGION.	swissprot P50104	ND
1700	190.8	INTEGRAL PEROXISOMAL MEMBRANE PROTEIN.	tremblnew AAF22254	ND
1701	190.4	ORF 171.	sptrembl Q45944	ND
1702	190.4	Human regulator of G-protein signalling 1 (RGPS-1).	geneseqp W30560	ND
1703	190.3	HYPOTHETICAL 63.7 KD PROTEIN C16E9.02C IN	sptrembl O14319	ND

		CHROMOSOME II.		
1704	190.3	Colon cancer associated antigen precursor sequence.	geneseqp Y07109	ND
1705	190.2	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
1706	190.2	MYELIN GENE EXPRESSION FACTOR 2.	sptrembl Q9Y655	ND
1707	190.2	HYPOTHETICAL 63.1 KD PROTEIN.	sptrembl O43071	ND
1708	189.6	ADENOSYLHOMOCYSTEIN ASE (EC 3.3.1.1) (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE).	swissprot P10819	ND
1709	189.6	Mycobacterium tuberculosis specific DNA-encoded polypeptide.	geneseqp Y31745	ND
1710	189.6	HYPOTHETICAL 35.4 KD PROTEIN.	sptrembl P93845	ND
1711	189.3	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
1712	189.3	60S RIBOSOMAL PROTEIN L7, MITOCHONDRIAL PRECURSOR (YML7).	swissprot P36519	ND
1713	189.1	HYPOTHETICAL 33.0 KD PROTEIN IN PROB-PROA INTERGENIC REGION.	swissprot P45637	ND
1714	189.0	HYPOTHETICAL 33.5 KD PROTEIN IN SEC53-ACT1 INTERGENIC REGION.	swissprot P43558	ND
1715	188.7	HYPOTHETICAL 70.9 KD PROTEIN IN CBP2 5'REGION.	swissprot P38731	ND
1716	188.6	TRANSCRIPTION FACTOR DMAX.	sptrembl P91664	ND
1717	188.6	WAIT-1.	tremblnew AAC68675	ND
1718	188.6	EXTENSIN-LIKE PROTEIN.	sptrembl O81765	ND
1719	188.3	PUTATIVE ZINC FINGER PROTEIN.	sptrembl O74256	ND
1720	188.2	HYPOTHETICAL 18.7 KD PROTEIN IN HMS1-ABF2 INTERGENIC REGION.	swissprot Q04767	ND
1721	187.8	D-pantolactone hydrolase from Fusarium oxysporum.	geneseqp W21857	ND
1722	187.8	SALIVARY PROLINE-RICH PROTEIN RP4 PRECURSOR.	sptrembl Q04117	ND
1723	187.6	HYPOTHETICAL 29.7 KD PROTEIN IN RPLI-CPDB INTERGENIC REGION (F286).	swissprot P39315	ND
1724	187.6	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR	sptrembl O46598	ND

		RECEPTOR 1 SHORT FORM).		
1725	187.2	GLUTAMINE REPEAT PROTEIN 1.	sptrembl Q61118	ND
1726	187.0	GLUE PROTEIN.	sptrembl Q27423	ND
1727	186.9	HYPOTHETICAL 11.6 KD PROTEIN.	sptrembl O59764	ND
1728	186.9	TAMA.	sptrembl Q00741	ND
1729	186.8	HOLI PROTEIN.	swissprot P53389	ND
1730	186.3	PPRB GENE.	sptrembl Q52088	ND
1731	186.2	YUP8H12R.22 PROTEIN.	sptrembl O64535	ND
1732	186.0	HYPOTHETICAL 25.9 KD PROTEIN C16A3.04 IN CHROMOSOME II.	sptrembl O42911	ND
1733	185.7	HAVCR-1 PROTEIN PRECURSOR.	sptrembl Q95144	ND
1734	185.7	Fragmented human NF-L gene +2 frameshift mutant product.	geneseqp W18658	ND
1735	185.6	64AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YAL3	ND
1736	185.5	CUTINASE TRANSCRIPTION FACTOR 1 ALPHA.	swissprot P52958	ND
1737	185.5	MICROFILARIAL SHEATH PROTEIN SHP3 PRECURSOR.	sptrembl Q17260	ND
1738	185.4	MEROZOITE SURFACE PROTEIN CMZ-8 (FRAGMENT).	swissprot P09125	ND
1739	185.4	HYPOTHETICAL 42.9 KD PROTEIN.	sptrembl O74814	ND
1740	185.3	SUPEROXIDE-GENERATING NADPH OXIDASE FLAVOCYTOCHROME.	sptrembl Q9XYS3	ND
1741	185.2	NNF1 PROTEIN.	swissprot P47149	ND
1742	184.7	HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION.	swissprot P53214	ND
1743	184.6	TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE HOMOLOG 2 (P97/CDC48 HOMOLOG 2).	swissnew P54812	ND
1744	184.4	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83714	ND
1745	184.3	HYPOTHETICAL PROTEIN MG096.	swissnew P47342	ND
1746	184.3	Sequence A encoded by a portion of SA307.	geneseqp P60623	ND
1747	184.3	MUCIN.	sptrembl Q28226	ND
1748	183.9	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
1749	183.9	CARBOXYPEPTIDASE S PRECURSOR (EC 3.4.17.4) (YSCS) (GLY-X	swissprot P27614	ND

		CARBOXYPEPTIDASE).		
1750	183.8	HYPOTHETICAL 55.0 KD PROTEIN.	sptrembl P96824	ND
1751	183.2	Aspergillus nidulans essential protein AN80.	geneseqp Y06416	ND
1752	183.1	BETA-1,3-GLUCANOSYLTRANSFERASE.	sptrembl O59909	ND
1753	183.1	RAD1.	tremblnew AAC95465	ND
1754	183.0	HYPOTHETICAL 28.6 KD PROTEIN.	tremblnew CAB41006	ND
1755	182.9	BDF1 PROTEIN.	swissprot P35817	ND
1756	182.8	HYPOTHETICAL 57.2 KD PROTEIN.	sptrembl O68872	ND
1757	182.5	F14B4.2 PROTEIN.	sptrembl Q19440	ND
1758	182.4	PUTATIVE CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR.	sptrembl O74740	ND
1759	182.3	EXTENSIN CLASS II PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) (HRGP) (TOML-4).	sptrembl Q09084	ND
1760	182.2	VOLTAGE-DEPENDENT P/Q TYPE CALCIUM CHANNEL ALPHA 1A SUBUNIT (FRAGMENT).	sptrembl O95387	ND
1761	182.1	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46598	ND
1762	182.1	Amino acid sequence of a human secreted protein.	geneseqp Y19477	ND
1763	181.9	HEPATITIS A VIRUS RECEPTOR.	sptrembl O18984	ND
1764	181.9	SIMILAR TO D. MELANOGASTER BRCORE-Q1-Z1 PROTEIN AND V. VIRUS PROTEIN A55.	sptrembl Q17782	ND
1765	181.8	LATENT NUCLEAR ANTIGEN.	sptrembl Q9WRM2	ND
1766	181.8	HOR1-17 C-HORDEIN.	sptrembl Q40053	ND
1767	181.6	HYPOTHETICAL 112.1 KD PROTEIN.	sptrembl O86637	ND
1768	181.6	MITOCHONDRIAL TRANSCRIPTION FACTOR 1 PRECURSOR (MTTF1).	swissprot Q00059	ND
1769	181.6	PUTATIVE ACYL-COA DEHYDROGENASE.	tremblnew CAB46788	ND
1770	181.5	HYPOTHETICAL 83.7 KD PROTEIN C4F10.07C IN CHROMOSOME I.	sptrembl O36019	ND
1771	181.5	EXTENSIN-LIKE PROTEIN.	tremblnew	ND

			AAD55980	
1772	181.4	PROLINE-RICH CELL WALL PROTEIN.	sptrembl Q39763	ND
1773	181.4	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
1774	181.4	Hepatitis A virus receptor.	geneseqp R92803	ND
1775	181.2	CONSERVED HYPOTHETICAL ZINC-FINGER PROTEIN.	sptrembl O94264	ND
1776	181.1	HYPOTHETICAL 79.1 KD PROTEIN.	sptrembl O60161	ND
1777	181.1	Rat 25-hydroxyvitamin D3-1-alpha-hydroxylase.	geneseqp W89552	ND
1778	181.0	Collagen-like polymer.	geneseqp W57645	ND
1779	181.0	PROBABLE METABOLITE TRANSPORT PROTEIN.	sptrembl O94342	ND
1780	180.8	PUTATIVE MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L31 PRECURSOR.	tremblnew CAB53083	ND
1781	180.7	AMINOPEPTIDASE II (EC 3.4.11.-) (YSCII).	swissprot P32454	ND
1782	180.5	HYPOTHETICAL 61.1 KD PROTEIN (FRAGMENT).	tremblnew CAB63715	ND
1783	180.5	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
1784	180.4	HYPOTHETICAL 18.4 KD PROTEIN.	sptrembl Q9Y801	ND
1785	180.1	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.	swissprot P32323	ND
1786	180.1	HYPOTHETICAL 62.9 KD PROTEIN.	sptrembl P74375	ND
1787	179.9	PUTATIVE ACID PHOSPHATASE.	tremblnew CAB58405	ND
1788	179.4	CHECKPOINT PROTEIN RAD17.	swissprot P50531	ND
1789	179.3	Drosophila dCREB1 protein.	geneseqp R91295	ND
1790	178.7	ABP32.	tremblnew BAA84922	ND
1791	178.5	Human iduronate 2-sulphatase protein sequence.	geneseqp Y23982	ND
1792	178.5	QI74 PROTEIN.	sptrembl O74567	ND
1793	178.3	D9461.15P.	sptrembl Q04066	ND
1794	178.3	SF16 ISOLOG.	sptrembl O22835	ND
1795	178.0	SUCAB-LPD OPERON, SUCB AND LPD GENES, COMPLETE CDS, SUCA GENE PARTIAL CDS AND IS-150-LIKE ELEMENT 3' END (FRAGMENT).	sptrembl Q50992	ND
1796	177.6	PUTATIVE TRANSCRIPTION INITIATION FACTOR IIA LARGE SUBUNIT.	tremblnew CAB57938	ND

1797	177.6	SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPLICING COMPONENT, 35 KD) (PR264 PROTEIN).	swissprot P30352	ND
1798	177.5	DIMETHYLANILINE MONOOXYGENASE-LIKE PROTEIN.	tremblnew CAB43691	ND
1799	177.4	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
1800	177.2	SER/ARG-RELATED NUCLEAR MATRIX PROTEIN.	sptrembl O60585	ND
1801	177.2	PUTATIVE PROLINE-RICH CELL WALL PROTEIN.	sptrembl O82327	ND
1802	177.1	GLYCINE RICH RNA BINDING PROTEIN.	tremblnew CAB56042	ND
1803	177.0	N AMINO ACID TRANSPORT SYSTEM PROTEIN (METHYLTRYPTOPHAN RESISTANCE PROTEIN).	swissprot P38680	ND
1804	176.9	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
1805	176.7	IDI-2 PRECURSOR.	sptrembl O74220	ND
1806	176.6	HYPOTHETICAL 35.1 KD PROTEIN.	tremblnew CAB38264	ND
1807	176.6	FERRIC REDUCTASE.	sptrembl Q9Y861	ND
1808	176.5	ANNEXIN XIV.	sptrembl O59907	ND
1809	176.5	MUCIN PRECURSOR (FRAGMENT).	sptrembl Q62635	ND
1810	176.4	SINGLE-STRANDED DNA-BINDING PROTEIN.	sptrembl P77953	ND
1811	176.4	COSMID C25H3.	sptrembl Q18187	ND
1812	176.3	PROBABLE EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5).	swissprot Q09689	ND
1813	176.2	MICROTUBULE ASSOCIATED PROTEIN (DJ406A7.2.1) (MICROTUBULE ASSOCIATED PROTEIN E-MAP-115).	sptrembl Q14244	ND
1814	176.2	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
1815	176.2	HYPOTHETICAL PROTEIN MJ1055.	swissprot Q58455	ND
1816	176.1	HYPOTHETICAL 81.2 KD PROTEIN.	sptrembl O81714	ND
1817	175.8	STRONG SIMILARITY TO HUMAN REV INTERACTING PROTEIN RIP-1.	sptrembl O74777	ND
1818	175.7	PUTATIVE TRANSCRIPTIONAL REGULATOR.	sptrembl O13337	ND
1819	175.5	F23N19.12.	tremblnew	ND

			AAF19547	
1820	175.4	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB53729	ND
1821	175.4	VITELLOGENIN PRECURSOR.	sptrembl Q9YGK0	ND
1822	175.3	GP80.	sptrembl P87519	ND
1823	175.3	YEAST REDUCED VIABILITY UPON STARVATION PROTEIN 161 HOMOLOG, IMPLICATED IN CELL GROWTH AND CYTOSKELETAL OR GANISATION.	tremblnew CAA22181	ND
1824	175.1	MUTATOR-LIKE TRANSPOSASE.	tremblnew AAD23701	ND
1825	175.0	MINI-COLLAGEN PRECURSOR (ISOFORM 1).	sptrembl Q00484	ND
1826	174.9	CYTOSKELETON ASSEMBLY CONTROL PROTEIN SLA2P.	sptrembl O93959	ND
1827	174.8	SHP1 PROTEIN.	swissprot P34223	ND
1828	174.7	CYTOCHROME C OXIDASE POLYPEPTIDE IV PRECURSOR (EC 1.9.3.1).	swissprot P04037	ND
1829	174.6	CUT1 PROTEIN.	swissnew P18296	ND
1830	174.6	Extracellular domain of prostate specific membrane antigen (PSMA).	geneseqp W47155	ND
1831	174.1	HYPOTHETICAL PROTEIN (FRAGMENT).	tremblnew CAB61270	ND
1832	173.8	ARABINO GALACTAN-LIKE PROTEIN.	sptrembl Q41071	ND
1833	173.8	PROLINE-RICH.	sptrembl Q94273	ND
1834	173.7	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q42366	ND
1835	173.4	S-PHASE DELAYING PROTEIN 1 (P14 PROTEIN).	sptrembl Q10585	ND
1836	173.4	SERINE-RICH PROTEIN.	sptrembl O94317	ND
1837	173.2	RECF (FRAGMENT).	sptrembl O30497	ND
1838	173.2	BETA-GALACTOSIDASE ALPHA-PEPTIDE (FRAGMENT).	sptrembl Q57170	ND
1839	173.1	Mouse liver cancer-originated culture cell growth factor.	geneseqp W37482	ND
1840	172.9	T. gondii immunogenic protein.	geneseqp Y29060	ND
1841	172.8	156AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YAB4	ND
1842	172.7	AKT2.	sptrembl O93801	ND
1843	172.7	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
1844	172.6	CHORD CONTAINING PROTEIN-1.	tremblnew AAF18437	ND
1845	172.4	UL36.	sptrembl Q65553	ND
1846	172.3	CELL WALL-PLASMA MEMBRANE LINKER	sptrembl Q39353	ND

		PROTEIN.		
1847	172.2	SER/ARG-RELATED NUCLEAR MATRIX PROTEIN.	sptrembl O60585	ND
1848	172.2	F23C8.6 PROTEIN.	tremblnew AAD03134	ND
1849	172.1	WW DOMAIN BINDING PROTEIN 11.	sptrembl O88539	ND
1850	171.8	EXTENSIN.	sptrembl Q06802	ND
1851	171.7	F24O1.18.	sptrembl O48809	ND
1852	171.7	HYPOTHETICAL 30.6 KD PROTEIN IN SCP160-SMC3 INTERGENIC REGION PRECURSOR.	swissprot P47032	ND
1853	171.4	GLUTENIN, LOW MOLECULAR WEIGHT SUBUNIT PRECURSOR.	swissprot P10385	ND
1854	171.4	HYPOTHETICAL 17.5 KD PROTEIN C22H10.02 IN CHROMOSOME I.	swissprot Q10296	ND
1855	171.2	HYPOTHETICAL 105.9 KD PROTEIN IN RPL15B-GCR3 INTERGENIC REGION.	swissprot P39523	ND
1856	171.2	POSSIBLE PROTEIN METHYLTRANSFERASE.	sptrembl O27940	ND
1857	171.2	BIFUNCTIONAL ASPARTOKINASE/HOMOSE RINE DEHYDROGENASE I (AKI-HDI) [INCLUDES: ASPARTOKINASE (EC 2.7.2.4); HOMOSERINE DEHYDROGENASE (EC 1.1.1.3)].	swissnew P27725	ND
1858	171.0	ZETA-CRYSTALLIN.	sptrembl O97764	ND
1859	170.9	CCP PROTEIN.	sptrembl Q9WX60	ND
1860	170.9	36.1 KD PROTEIN IN BUD2- MIF2 INTERGENIC REGION.	swissprot P33324	ND
1861	170.8	WP6 PRECURSOR.	sptrembl Q39492	ND
1862	170.7	HISTIDYL-TRNA SYNTHETASE.	sptrembl O43011	ND
1863	170.6	CODED FOR BY C. ELEGANS CDNA YK127B8.5.	sptrembl Q20648	ND
1864	170.2	TRICHODIENE SYNTHASE (EC 4.1.99.6) (SESQUITERPENE CYCLASE) (TS).	swissprot P27679	ND
1865	170.2	HYPOTHETICAL 46.6 KD PROTEIN.	sptrembl O74477	ND
1866	170.2	HEPB PROTEIN.	sptrembl O22016	ND
1867	170.2	CHITINASE.	sptrembl Q92223	ND
1868	170.2	NADH-UBIQUINONE OXIDOREDUCTASE B12 SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-B12)	swissprot O43676	ND

		(CI-B12).		
1869	170.2	ANTIGEN LPMC-61 (FRAGMENT).	swissprot P15714	ND
1870	170.1	HYPOTHETICAL 96.0 KD PROTEIN.	sptrembl O74365	ND
1871	170.1	HYPOTHETICAL 23.4 KD PROTEIN IN CAJ1-HOM3 INTERGENIC REGION.	swissprot P40033	ND
1872	170.0	ASPARTIC PROTEINASE PRECURSOR (EC 3.4.23.-) (GCSAP).	sptrembl Q00895	ND
1873	169.9	mSOS1 protein.	geneseqp R84638	ND
1874	169.9	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
1875	169.9	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q41814	ND
1876	169.7	HEPATITIS A VIRUS RECEPTOR.	sptrembl O18984	ND
1877	169.7	DNA-DIRECTED RNA POLYMERASE II 13.6 KD POLYPEPTIDE (EC 2.7.7.6) (B13.6).	swissprot P38902	ND
1878	169.7	L4171.3.	sptrembl O15837	ND
1879	169.6	HYPOTHETICAL 20.3 KD PROTEIN C25H1.03 IN CHROMOSOME I.	sptrembl O13978	ND
1880	169.6	ARABINO GALACTAN-PROTEIN.	sptrembl Q9ZT15	ND
1881	169.5	ACROSIN PRECURSOR (EC 3.4.21.10).	swissprot P48038	ND
1882	169.5	785AA LONG HYPOTHETICAL HYUA.	sptrembl Q9YCC8	ND
1883	169.3	COA TRANSFERASE, SUBUNIT B.	tremblnew AAF12248	ND
1884	169.3	LAMININ ALPHA CHAIN PRECURSOR.	swissprot Q00174	ND
1885	169.2	SEQ ID NO 383 from WO9922243.	geneseqp Y19665	ND
1886	168.9	Human heart muscle specific protein.	geneseqp W90172	ND
1887	168.7	COMES FROM THIS GENE.	sptrembl O23054	ND
1888	168.7	ACIDIC PROLINE-RICH PROTEIN PRP25 PRECURSOR (FRAGMENT).	swissprot P10164	ND
1889	168.7	METAL HOMEOSTATIS PROTEIN BSD2.	swissprot P38356	ND
1890	168.7	HIGH MOLECULAR MASS NUCLEAR ANTIGEN (FRAGMENT).	sptrembl O57580	ND
1891	168.6	HYPOTHETICAL 26.1 KD PROTEIN C23H3.12C IN CHROMOSOME I.	sptrembl O13942	ND
1892	168.6	Sugar beet chitinase 1.	geneseqp R28150	ND
1893	168.6	KEXIN.	sptrembl O94096	ND
1894	168.6	HYPOTHETICAL PROTEIN (FRAGMENT).	sptrembl Q38962	ND

1895	168.5	124AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YCC9	ND
1896	168.5	PUTATIVE ETHANOLAMINEPHOSPHO TRANSFERASE (EC 2.7.8.1) (ETHPT).	sptrembl O13901	ND
1897	168.5	WP6 PRECURSOR.	sptrembl Q39492	ND
1898	168.4	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46598	ND
1899	168.1	PUTATIVE TRANSCRIPTION FACTOR.	tremblnew CAB43914	ND
1900	168.0	BAV3 ORF3 product.	geneseq R75758	ND
1901	167.8	HYPOTHETICAL 27.2 KD PROTEIN IN GLS2-RPL26B INTERGENIC REGION.	swissprot P53220	ND
1902	167.8	SIMILAR TO STF2P.	sptrembl Q06177	ND
1903	167.7	EMBRYONIC/NEONATAL MYOSIN HEAVY CHAIN (FRAGMENT).	sptrembl Q28700	ND
1904	167.7	PROTEIN TRANSLATION FACTOR SUI1 HOMOLOG.	swissprot O48650	ND
1905	167.7	NONE.	sptrembl Q9XDF2	ND
1906	167.6	MAGNESIUM-CHELATASE 60 KD SUBUNIT (MG- PROTOPORPHYRIN IX CHELATASE) (MG- CHELATASE SUBUNIT D).	swissnew P26175	ND
1907	167.5	264AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YCX9	ND
1908	167.5	SERINE/THREONINE PROTEIN KINASE PKAA (EC 2.7.1.-).	swissnew P54739	ND
1909	167.4	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
1910	167.3	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46598	ND
1911	167.3	CDC2-LIKE PROTEIN KINASE (EC 2.7.1.).	sptrembl O76541	ND
1912	167.1	PUTATIVE SECRETED PROLINE-RICH PROTEIN.	tremblnew CAB63180	ND
1913	167.1	ARGININE/SERINE-RICH PROTEIN.	tremblnew AAF19004	ND
1914	166.9	CUTICLE COLLAGEN 40.	swissprot P34804	ND
1915	166.9	HYPOTHETICAL PROTEIN C30B4.01C IN CHROMOSOME II (FRAGMENT).	sptrembl P87179	ND

1916	166.7	HISTONE H1.	swissprot P37218	ND
1917	166.6	NUM1 PROTEIN.	sptrembl Q40363	ND
1918	166.5	ANTIGEN EM13.	sptrembl Q07840	ND
1919	166.2	Y18D10A.8 PROTEIN.	sptrembl Q9XW13	ND
1920	166.2	PARAMECIUM 3' GENE FRAGMENT FOR G SURFACE ANTIGEN (FRAGMENT).	sptrembl Q94699	ND
1921	166.2	HYPOTHETICAL 6.1 KD PROTEIN C03B1.10 IN CHROMOSOME X.	swissprot Q11116	ND
1922	166.2	OVERLAPPING PROTEIN.	sptrembl O91259	ND
1923	166.2	PUTATIVE SMALL BASIC PROTEIN.	sptrembl O55724	ND
1924	166.1	T01B7.8 PROTEIN.	sptrembl Q22048	ND
1925	166.1	50S RIBOSOMAL PROTEIN L34.	sptrembl O21276	ND
1926	166.0	MUCIN (FRAGMENT).	sptrembl Q28501	ND
1927	166.0	34 KD ANTIGENIC PROTEIN.	swissprot Q04959	ND
1928	165.9	AQUAPORIN-3.	sptrembl Q9YH65	ND
1929	165.7	CGI-41 PROTEIN.	sptrembl Q9Y358	ND
1930	165.6	HIGH MOBILITY GROUP- LIKE NUCLEAR PROTEIN 2.	swissprot P32495	ND
1931	165.6	PGRS-FAMILY PROTEIN.	sptrembl O53395	ND
1932	165.5	PUTATIVE ZINC METALLOPEPTIDASE (FRAGMENT).	tremblnew CAB54809	ND
1933	165.5	Human VEGF-C truncated fragment 4.	geneseqp W86225	ND
1934	165.5	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P13728	ND
1935	165.4	U2 SMALL NUCLEAR RIBONUCLEOPROTEIN AUXILIARY FACTOR 35 KD SUBUNIT RELATED- PROTEIN 1.	swissprot Q15695	ND
1936	165.4	N2,N2- DIMETHYLGUANOSINE TRNA METHYLTRANSFERASE.	tremblnew CAA20101	ND
1937	165.2	180AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YBV8	ND
1938	165.2	ADK1.	sptrembl Q9ZWB3	ND
1939	165.1	D2089.1 PROTEIN.	sptrembl O01159	ND
1940	165.0	Y44E3A.5 PROTEIN.	tremblnew AAC78231	ND
1941	165.0	C15A11.1 PROTEIN.	sptrembl Q93208	ND
1942	164.9	EXTENSIN-LIKE PROTEIN.	tremblnew CAB40769	ND
1943	164.8	RETINA-DERIVED POU- DOMAIN FACTOR-1 (FRAGMENT).	tremblnew AAC83404	ND

1944	164.8	203AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YAY3	ND
1945	164.7	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46598	ND
1946	164.7	HYPOTHETICAL 79.1 KD PROTEIN.	sptrembl O60161	ND
1947	164.7	UNKNOWN PROTEIN.	sptrembl O04210	ND
1948	164.6	INTESTINAL MUCIN (FRAGMENT).	sptrembl Q14883	ND
1949	164.6	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
1950	164.3	DBP-5 NUCLEAR PROTEIN.	sptrembl Q14120	ND
1951	164.3	HYPOTHETICAL 45.9 KD PROTEIN RV2067C.	swissnew Q10678	ND
1952	164.2	ALPHA/BETA-GLIADIN CLONE PW1215 PRECURSOR (PROLAMIN).	swissprot P04726	ND
1953	164.2	NONSTRUCTURAL PROTEIN 1 (FRAGMENT).	sptrembl O10460	ND
1954	164.2	VICILIN-LIKE PROTEIN PRECURSOR (FRAGMENT).	tremblnew AAF18269	ND
1955	164.1	MITOCHONDRIAL PROTEIN CYT-4.	swissprot P47950	ND
1956	164.1	134AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9Y9Q5	ND
1957	164.1	SIMILARITY TO DROSOPHILA HOMEOTIC GENE REGULATOR BRM.	sptrembl P91094	ND
1958	164.0	PROBABLE TRANSLATION INITIATION FACTOR EIF-2B DELTA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR).	swissprot Q09924	ND
1959	163.9	S2 RIBOSOMAL PROTEIN.	sptrembl O84687	ND
1960	163.9	COSMID C34D4.	sptrembl Q18444	ND
1961	163.8	HEPATITIS A VIRUS RECEPTOR.	sptrembl O18984	ND
1962	163.8	PREDICTED INTEGRAL MEMBRANE PROTEIN.	sptrembl O96177	ND
1963	163.8	Human bcl2 proto-oncogene wild type protein fragment 1.	geneseqp Y21104	ND
1964	163.7	ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P49377	ND
1965	163.7	TIJ1.6 PROTEIN.	sptrembl Q9ZPH2	ND
1966	163.6	PUTATIVE EXTENSIN.	sptrembl Q9ZNU3	ND
1967	163.6	F25C8.4 PROTEIN.	sptrembl Q9XV68	ND
1968	163.5	PUTATIVE TRANSCRIPTIONAL REGULATOR, ZINC-	tremblnew CAA92308	ND

		(FRAGMENT).		
1987	162.3	BRANCHED-CHAIN AMINO ACID AMINOTRANSFERASE, MITOCHONDRIAL PRECURSOR (EC 2.6.1.42) (BCAT(M)).	swissprot O15382	ND
1988	162.2	PENICILLIN-BINDING PROTEIN 1.	tremblnew AAF10059	ND
1989	162.1	N-WASP.	sptrembl O00401	ND
1990	162.1	REGULATORY PROTEIN E2.	sptrembl O56937	ND
1991	162.0	HYPOTHETICAL 25.3 KD PROTEIN IN TIM23-ARE2 INTERGENIC REGION.	swissprot P53721	ND
1992	162.0	Hepatitis B virus E antigen (wild-type).	geneseq R98878	ND
1993	162.0	MYOCYTE ENHANCER FACTOR 2A (FRAGMENT).	sptrembl O97865	ND
1994	162.0	THIOREDOXIN.	swissprot P42115	ND
1995	161.9	M. tuberculosis immunogenic polypeptide TbH-29.	geneseq W81726	ND
1996	161.8	PROLINE RICH PROTEIN.	sptrembl O22514	ND
1997	161.5	VIRION PROTEIN.	sptrembl P89479	ND
1998	161.3	ORF1 (FRAGMENT).	sptrembl Q9W9H9	ND
1999	161.2	Artificial recognition sequence 5.	geneseq W43028	ND
2000	161.2	LOW MOLECULAR WEIGHT GLUTENIN (FRAGMENT).	sptrembl Q41552	ND
2001	161.2	HYPOTHETICAL 20.8 KD PROTEIN.	sptrembl O53905	ND
2002	161.1	ORFAB.	sptrembl Q9X982	ND
2003	161.1	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46597	ND
2004	161.0	LOW MOLECULAR WEIGHT GLUTENIN (FRAGMENT).	sptrembl Q41551	ND
2005	160.9	Intestinal mucin deduced from clone SMUC 87.	geneseq R07674	ND
2006	160.9	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q42366	ND
2007	160.8	PUTATIVE SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPLICING COMPONENT, 35 KD).	swissprot Q09511	ND
2008	160.8	ACETAMIDASE REGULATORY PROTEIN.	swissprot P15699	ND
2009	160.7	GAGA FACTOR CLASS A-	sptrembl O76940	ND

		ISOFORM.		
2010	160.6	Enzyme donor polypeptide, ED8.	geneseqp R11772	ND
2011	160.6	PRP2.	geneseqp R29163	ND
2012	160.4	PUTATIVE SNRNP PROTEIN.	tremblnew CAB45810	ND
2013	160.4	PHOSPHATE PERMEASE.	sptrembl O74639	ND
2014	160.4	ORF68.	tremblnew AAF05182	ND
2015	160.3	LARGEST SUBUNIT OF THE RNA POLYMERASE II COMPLEX.	sptrembl Q9XZS2	ND
2016	160.3	TOLA PROTEIN.	sptrembl Q9WWX1	ND
2017	160.3	HYPOTHETICAL 81.2 KD PROTEIN.	sptrembl O81714	ND
2018	160.3	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) (FRAGMENT).	swissprot P40603	ND
2019	160.2	F22O2.16.	sptrembl Q9ZWD5	ND
2020	160.2	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT).	swissprot P11414	ND
2021	160.1	SALIVARY PROTEIN MSG2, ISOFORM ALPHA PRECURSOR.	sptrembl O09133	ND
2022	160.1	121AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YAL7	ND
2023	160.0	C49F8.1 PROTEIN.	sptrembl Q18710	ND
2024	160.0	PUTATIVE TRANSCRIPTION INITIATION FACTOR TFIID SUBUNIT.	tremblnew CAB65604	ND
2025	160.0	LET-653 MUCIN LIKE PROTEIN.	sptrembl Q27394	ND
2026	159.9	Rhodococcus rhodochrous LMGP-18079 cis-epoxysuccinate hydrolase.	geneseqp Y04477	ND
2027	159.9	REGULATORY PROTEIN E2.	swissprot P06422	ND
2028	159.8	GAMMA-GLIADIN (GLIADIN B-III) (FRAGMENT).	swissprot P04730	ND
2029	159.7	ORF 1.	sptrembl O96853	ND
2030	159.7	FATTY ACID COA LIGASE.	sptrembl O60135	ND
2031	159.4	EF-HAND PROTEIN.	sptrembl Q09196	ND
2032	159.4	PROLINE RICH PROTEIN PRECURSOR.	sptrembl Q43558	ND
2033	159.4	HYPOTHETICAL 37.4 KD PROTEIN.	sptrembl O25304	ND
2034	159.4	PUTATIVE PROLINE-RICH CELL WALL PROTEIN.	sptrembl O82327	ND
2035	159.3	IMMEDIATE-EARLY	swissprot P33479	ND

		PROTEIN IE180.		
2036	159.2	EARLY NODULIN 20 PRECURSOR (N-20).	swissprot P93329	ND
2037	159.2	Candida CaRho1 protein.	geneseqp W30379	ND
2038	159.1	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P02840	ND
2039	159.0	PUTATIVE PROLINE-RICH CELL WALL PROTEIN.	sptrembl O82327	ND
2040	158.9	PROLINE RICH PROTEIN.	sptrembl Q91810	ND
2041	158.9	RETINA-DERIVED POU-DOMAIN FACTOR-1 (FRAGMENT).	tremblnew AAC83404	ND
2042	158.9	HYPOTHETICAL 9.3 KD PROTEIN.	sptrembl O59754	ND
2043	158.8	Hepatitis A virus receptor.	geneseqp R92803	ND
2044	158.8	BETA-LACTAMASE PRECURSOR (EC 3.5.2.6) (CEPHALOSPORINASE).	swissnew O05465	ND
2045	158.7	FISSION YEAST DNA FOR CHROMOSOME II COSMID 1228 SEQUENCE.	sptrembl P78948	ND
2046	158.6	SERUM OPACITY FACTOR PRECURSOR (FRAGMENT).	tremblnew AAD31504	ND
2047	158.6	F17L24.2 PROTEIN.	sptrembl Q9ZQJ6	ND
2048	158.6	F24J5.15 PROTEIN.	tremblnew AAD49981	ND
2049	158.5	SMUC-41 intestinal mucin.	geneseqp R12535	ND
2050	158.4	ULTRA HIGH SULFER KERATIN.	sptrembl O75690	ND
2051	158.3	MUCIN (FRAGMENT).	sptrembl Q28501	ND
2052	158.3	HYPOTHETICAL 35.1 KD PROTEIN.	tremblnew CAB38264	ND
2053	158.2	ORF-1 protein sequence from BamHI fragment of HVT.	geneseqp W03546	ND
2054	158.1	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
2055	158.1	PUTATIVE TRNA-SPLICING ENDONUCLEASE SUBUNIT.	sptrembl O74908	ND
2056	158.1	INNER CENTROMERE PROTEIN INCENP.	sptrembl Q9WU62	ND
2057	158.0	COLLAGEN TYPE XVIII (FRAGMENT).	tremblnew BAA34201	ND
2058	158.0	HYPOTHETICAL PROTEIN C31G5.01 IN CHROMOSOME I (FRAGMENT).	sptrembl O14102	ND
2059	157.9	PROFILIN P.	swissprot P18322	ND
2060	157.9	SIMILAR TO BETA-CHIMAERIN.	sptrembl O01825	ND
2061	157.8	PUTATIVE TETR TRANSCRIPTIONAL REGULATOR.	tremblnew CAB46789	ND
2062	157.8	CD27L RECEPTOR PRECURSOR (T-CELL ACTIVATION ANTIGEN CD27).	swissprot P41272	ND
2063	157.7	EXTENSIN CLASS 1	sptrembl Q41707	ND

		PROTEIN PRECURSOR (EXTENSIN-LIKE PROTEIN).		
2064	157.6	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29070	ND
2065	157.6	F24J5.8 PROTEIN.	tremblnew AAD49974	ND
2066	157.6	CHIMERIC AFGP/TRYPsinogen-LIKE SERINE PROTEASE PRECURSOR (FRAGMENT).	sptrembl Q9W6J8	ND
2067	157.4	5'-NUCLEOTIDASE (NT5).	sptrembl O29385	ND
2068	157.4	SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN HOMOLOG (SRP72).	swissprot O59787	ND
2069	157.4	HYPOTHETICAL 89.3 KD PROTEIN.	sptrembl O96234	ND
2070	157.3	MYOSIN I HEAVY CHAIN.	sptrembl Q00647	ND
2071	157.2	W02A2.5 PROTEIN.	sptrembl Q9XUB4	ND
2072	157.2	GONADOTROPIN INDUCIBLE TRANSCRIPTION REPRESSOR-1 (FRAGMENT).	tremblnew BAA86987	ND
2073	157.2	HYPOTHETICAL 17.6 KD PROTEIN IN NPR1-RPS3 INTERGENIC REGION.	swissprot P53880	ND
2074	157.1	HYPOTHETICAL 33.9 KD ZINC FINGER PROTEIN C14C4.06C IN CHROMOSOME I.	sptrembl O13713	ND
2075	157.1	GERM CELL SPECIFIC Y- BOX BINDING PROTEIN.	sptrembl Q9Y2T7	ND
2076	157.0	POLY-UBIQUITIN.	sptrembl O59964	ND
2077	157.0	MULTIDOMAIN PRESYNAPTIC CYTOMATRIX PROTEIN PICCOLO.	tremblnew AAF07822	ND
2078	157.0	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29070	ND
2080	156.9	PROBABLE PROTEIN DISULFIDE ISOMERASE ER- 60 PRECURSOR (EC 5.3.4.1) (ERP60) (58 KD MICROSOMAL PROTEIN) (P58) (HIP-70) (Q-2).	swissprot P11598	ND
2081	156.9	HUMAN DNA SEQUENCE FROM CLONE 1177E19 ON CHROMOSOME 1P36.12- 36.31. CONTAINS THE 3' PART OF THE DNA- BINDING ZINC FINGER PROTEIN RIZ GENE, ESTS, AN STS, GSSS AND A CPG ISLAND.	tremblnew CAB37643	ND
2082	156.8	R02F11.1 PROTEIN.	sptrembl O16364	ND

2083	156.8	YSY6 PROTEIN.	swissprot P38374	ND
2084	156.7	PUTATIVE RNA-BINDING PROTEIN.	sptrembl O94260	ND
2085	156.7	EARLY NODULIN 20 PRECURSOR (N-20).	swissprot P93329	ND
2086	156.6	COAT PROTEIN AV1, AV2, AV3, REPLICATION-ASSOCIATED PROTEIN AC1, AC2, AC3, AC4 AND AC5 GENES, COMPLETE CDS.	sptrembl Q88548	ND
2087	156.6	121AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YAL7	ND
2088	156.6	HYDROXYNEUROSPORENE DEHYDROGENASE.	sptrembl Q50893	ND
2089	156.5	Mouse signal transduction protein GRB-7.	geneseqp R80164	ND
2090	156.5	ERPROT 213-21.	sptrembl O00302	ND
2091	156.5	COSMID T09D3.	sptrembl Q23036	ND
2092	156.4	Human secreted protein #3.	geneseqp Y36131	ND
2093	156.3	PUTATIVE ZINC FINGER TRANSCRIPTION FACTOR OVO1.	sptrembl Q9WTJ2	ND
2094	156.3	GTP-BINDING PROTEIN (RAN) (FRAGMENT).	sptrembl O13494	ND
2095	156.3	GAMETOGENESIS EXPRESSED PROTEIN GEG-154.	swissprot P50636	ND
2096	156.2	OOCYTE ZINC FINGER PROTEIN XLCOF8.4 (FRAGMENT).	swissprot P18753	ND
2097	156.2	HYPOTHETICAL 14.1 KD PROTEIN IN CYR1-OST1 INTERGENIC REGION.	swissprot P47081	ND
2098	156.2	HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR.	swissprot P47179	ND
2099	156.2	PR-VBETA1.	sptrembl Q64371	ND
2100	156.1	HYPOTHETICAL 50.0 KD PROTEIN.	sptrembl Q04934	ND
2101	156.1	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
2102	156.1	COBALAMIN SYNTHESIS PROTEIN.	sptrembl O30787	ND
2103	156.0	ZINC FINGER PROTEIN.	sptrembl Q24081	ND
2104	156.0	GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE PRECURSOR (EC 2.7.7.27) (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE).	sptrembl Q42702	ND
2105	156.0	CTD-BINDING SR-LIKE PROTEIN RA1.	sptrembl Q63624	ND

2106	156.0	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
2107	156.0	HYPOTHETICAL 9.2 KD PROTEIN.	sptrembl O59799	ND
2108	155.9	YUKL PROTEIN.	sptrembl P71076	ND
2109	155.9	DRPLA PROTEIN.	sptrembl P70200	ND
2110	155.8	SIMILAR TO THE MYO-TYPE 'HELIX-LOOP-HELIX' DNA-BINDING DOMAIN SIGNATURE.	sptrembl Q20941	ND
2111	155.8	CHITINASE PRECURSOR.	sptrembl Q42421	ND
2112	155.8	WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG 1.	sptrembl O36027	ND
2113	155.8	GLUTENIN, HIGH MOLECULAR WEIGHT SUBUNIT DX5 PRECURSOR.	swissprot P10388	ND
2114	155.7	F31E9.5 PROTEIN.	sptrembl O45429	ND
2115	155.7	DRPLA PROTEIN.	sptrembl Q99495	ND
2116	155.6	ORF YOL105C.	sptrembl Q12215	ND
2117	155.6	SEA ANEMONE TOXIN 46 aa	pdb 1ATX	ND
2118	155.6	HYPOTHETICAL 35.8 KD PROTEIN.	sptrembl O60096	ND
2119	155.6	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
2120	155.6	SPERM HISTONE P2 PRECURSOR (PROTAMINE P2).	swissprot P35298	ND
2121	155.4	GLUE PROTEIN.	sptrembl Q27929	ND
2122	155.4	2,3-DIHYDROXYBIPHENYL DIOXYGENASE.	sptrembl Q50914	ND
2123	155.4	HYPOTHETICAL 63.8 KD PROTEIN IN GUT1-RIM1 INTERGENIC REGION PRECURSOR.	swissprot P38739	ND
2124	155.4	C11G6.3 PROTEIN.	sptrembl Q17909	ND
2125	155.4	ZINC FINGER PROTEIN 41 (ZFP-41) (CTFIN92) (FRAGMENT).	swissprot Q02526	ND
2126	155.3	DNAJ.	sptrembl O18427	ND
2127	155.2	ESTS AU065732(E51179).	tremblnew BAA85201	ND
2128	155.1	KIAA0691 PROTEIN.	sptrembl O75175	ND
2129	155.1	Mycobacterium species protein sequence 50B.	geneseq Y04998	ND
2130	155.1	GLUCOAMYLASE.	tremblnew AAC49609	ND
2131	155.1	W02A2.5 PROTEIN.	sptrembl Q9XUB4	ND
2132	155.0	FOOT PROTEIN 1 PRECURSOR (FRAGMENT).	sptrembl O61476	ND
2133	154.9	INSULIN-LIKE GROWTH FACTOR PRECURSOR (IGF) (FRAGMENT).	swissprot P22618	ND
2134	154.8	HYPOTHETICAL 67.5 KD	swissprot P53735	ND

		PROTEIN IN DBP6-COQ2 INTERGENIC REGION.		
2135	154.8	PUTATIVE MEMBRANE PROTEIN.	tremblnew AAF23068	ND
2136	154.6	PROBABLE SERINE HYDROXYMETHYLTRANSFERASE, CYTOSOLIC (EC 2.1.2.1) (SERINE METHYLASE) (GLYCINE HYDROXYMETHYLTRANSFERASE) (SHMT).	swissprot Q10104	ND
2137	154.5	LD-VP80.	sptrembl Q9YMM2	ND
2138	154.5	C45B11.4 PROTEIN.	sptrembl Q18640	ND
2139	154.5	NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H).	swissprot P19246	ND
2140	154.4	PUTATIVE TRANSMEMBRANE PROTEIN.	tremblnew CAB59607	ND
2141	154.4	ORF YOR053W.	sptrembl Q08428	ND
2142	154.2	A. oryzae DEBY10.3 locus protein sequence.	geneseqp Y39872	ND
2143	154.2	HYPOTHETICAL 57.2 KD PROTEIN.	sptrembl O68872	ND
2144	154.1	PROBABLE ASPARAGINYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.22) (ASPARAGINE--TRNA LIGASE) (ASNRS).	swissprot Q19722	ND
2145	154.1	ORF_ID:O224#4.	sptrembl Q9ZBC2	ND
2146	154.1	F54B11.1 PROTEIN.	sptrembl Q20744	ND
2147	154.1	Y45F10B.3 PROTEIN.	sptrembl O62468	ND
2148	154.1	EXTENSIN CLASS II PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) (HRGP) (TOML-4).	sptrembl Q09084	ND
2149	154.0	CHITINASE.	sptrembl Q92223	ND
2150	153.9	HIV A30S protein sequence #1.	geneseqp W99832	ND
2151	153.9	T2K10.7 PROTEIN.	sptrembl Q9ZUJ1	ND
2152	153.9	HYPOTHETICAL 58.7 KD PROTEIN.	sptrembl O94644	ND
2153	153.9	ORF2 (FRAGMENT).	sptrembl Q9WAZ6	ND
2154	153.8	HYPOTHETICAL 61.1 KD PROTEIN (FRAGMENT).	tremblnew CAB63715	ND
2155	153.7	BRAIN-2 GENE.	sptrembl O73628	ND
2156	153.7	RIBOSOMAL PROTEIN LARGE SUBUNIT 2.	sptrembl O99868	ND
2157	153.6	DJ1042K10.4 (NOVEL PROTEIN) (FRAGMENT).	sptrembl O95512	ND

2158	153.6	UNKNOWN PROTEIN.	sptrembl O04210	ND
2159	153.6	F28C1.1 PROTEIN.	sptrembl Q19854	ND
2160	153.6	HYPOTHETICAL 25.4 KD PROTEIN C4G9.14 IN CHROMOSOME I.	swissprot Q10244	ND
2161	153.6	INSULIN-LIKE GROWTH FACTOR IB PRECURSOR (IGF-IB) (SOMATOMEDIN C).	swissprot P05019	ND
2162	153.6	POLLEN ALLERGEN AMB P 5-A PRECURSOR (AMB P V- A).	swissprot P43174	ND
2163	153.6	159AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YDR4	ND
2164	153.6	PHOSPHOLIPASE A2 INHIBITOR I PRECURSOR (PLI-I).	sptrembl O57690	ND
2165	153.5	COSMID F46H5.	sptrembl P90878	ND
2166	153.5	STR1 (suppressor of telomeric repression-1) protein.	geneseqp R95601	ND
2167	153.4	111AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YDA7	ND
2168	153.4	GATA TRANSCRIPTION FACTOR 3.	sptrembl O49742	ND
2169	153.4	HYPOTHETICAL 32.8 KD PROTEIN (FRAGMENT).	tremblnew CAB59245	ND
2170	153.4	GTL2 GENE.	sptrembl O48591	ND
2171	153.3	COSMID C37C3.	sptrembl Q22919	ND
2172	153.3	STEERIN-1 PROTEIN (FRAGMENT).	tremblnew CAB66088	ND
2173	153.3	PROTEIN-TYROSINE PHOSPHATASE, PUTATIVE.	tremblnew AAF11466	ND
2174	153.2	Amino acid sequence of human desaturase gene contig 2	geneseqp W95509	ND
2175	153.2	GLYCOPROTEIN G-2 (FRAGMENT).	tremblnew CAB65677	ND
2176	153.2	TONB PROTEIN.	tremblnew CAB53383	ND
2177	153.1	BRAIN-2 GENE.	sptrembl O73628	ND
2178	153.1	APEX NUCLEASE (FRAGMENT).	sptrembl O97870	ND
2179	153.1	HYPOTHETICAL 57.2 KD PROTEIN.	sptrembl O68872	ND
2180	153.0	H28G03.2 PROTEIN.	tremblnew AAC67404	ND
2181	153.0	UL47 PRODUCT HOMOLOG.	tremblnew BAA82943	ND
2182	152.9	ACUTE MYELOID LEUKEMIA 2 PROTEIN (ONCOGENE AML-2) (CORE-BINDING FACTOR, ALPHA 3 SUBUNIT) (CBF- ALPHA 3) (POLYOMAVIRUS ENHANCER BINDING PROTEIN 2 ALPHA C1 SUBUNIT) (PEBP2-ALPHA	sptrembl Q13761	ND

		C1).		
2183	152.9	APOPTIN (VP3).	swissprot P54095	ND
2184	152.8	SERINE-RICH PROTEIN.	sptrembl O94317	ND
2185	152.6	ENVELOPE PROTEIN (FRAGMENT).	sptrembl Q85475	ND
2186	152.6	DIACYLGLYCEROL ACYLCOA ACYLTRANSFERASE.	tremblnew AAF19345	ND
2187	152.4	K06A9.1 PROTEIN.	sptrembl P91365	ND
2188	152.4	F7F22.14.	tremblnew AAF24528	ND
2189	152.4	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew AAF09626	ND
2190	152.4	ARABINO GALACTAN-PROTEIN.	sptrembl Q9ZT15	ND
2191	152.4	NODULATION PROTEIN L (EC 2.3.1.-).	swissprot P28266	ND
2192	152.4	TCJ2.	sptrembl Q26952	ND
2193	152.3	HQP0376 PROTEIN.	tremblnew AAF23355	ND
2194	152.3	LAMININ ALPHA-2 CHAIN PRECURSOR (LAMININ M CHAIN) (MEROSIN HEAVY CHAIN).	swissprot Q60675	ND
2195	152.3	GAGA-581 ADF-2 ISOFORM.	sptrembl O18349	ND
2196	152.2	FLGA insert stabilising polypeptide.	geneseq W79128	ND
2197	152.2	Recombinant transcription enhancer factor 1 GL2/3/5.	geneseq W58603	ND
2198	152.1	ACROSIN PRECURSOR (EC 3.4.21.10).	swissprot P48038	ND
2199	152.1	SLIME MOLD (D.DISCOIDEUM) TRANSPOSON DIRS-1, COMPLETE, CLONE SB41.	sptrembl O96848	ND
2200	152.0	TRANSCRIPTION TERMINATION FACTOR 1 (TRANSCRIPTION FACTOR).	sptrembl Q62187	ND
2201	152.0	AGOUTI SWITCH PROTEIN PRECURSOR (AGOUTI SIGNALING PROTEIN) (FRAGMENT).	swissnew P79407	ND
2202	152.0	RNA POLYMERASE II SUBUNIT 9.	sptrembl O74635	ND
2203	151.9	DIVISION ABNORMALLY DELAYED PROTEIN PRECURSOR (DALLY PROTEIN).	swissprot Q24114	ND
2204	151.8	ANTI-DEATH PROTEIN.	sptrembl O75353	ND
2205	151.7	HYPOTHETICAL PROTEIN (ORF270/2) (FRAGMENT).	sptrembl Q05897	ND
2206	151.7	PUTATIVE PHOSPHATE/PHOSPHOENOLPYRUVATE	tremblnew AAD20711	ND

		TRANSLOCATOR PROTEIN.		
2207	151.7	COSMID R11G11.	sptrembl O16953	ND
2208	151.7	W05B2.6 PROTEIN.	sptrembl Q9XVG3	ND
2209	151.6	F3O9.1 PROTEIN.	tremblnew AAD34676	ND
2210	151.6	ALTERNATIVE OXIDASE (FRAGMENT).	sptrembl Q26681	ND
2211	151.6	CYC07 PROTEIN,S-PHASE SPECIFIC (FRAGMENT).	sptrembl Q42008	ND
2212	151.6	SECRETORY MUCIN MUC6 (FRAGMENT).	sptrembl O15329	ND
2213	151.6	PROBABLE B-TYPE CYTOCHROME.	swissprot P41955	ND
2214	151.5	PROTEIN C4.	swissprot P17370	ND
2215	151.5	PROTODADHERIN 5 (FRAGMENT).	sptrembl O08964	ND
2216	151.4	KIAA0442 PROTEIN (FRAGMENT).	sptrembl Q9Y4F2	ND
2217	151.4	F46B3.2 PROTEIN.	sptrembl Q9XV16	ND
2218	151.3	SMUC-41 intestinal mucin.	geneseq R12535	ND
2219	151.3	HYPOTHETICAL 62.3 KD PROTEIN.	tremblnew CAB55180	ND
2220	151.3	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT).	swissprot P11414	ND
2221	151.3	HTRA2-BETA (TRANSFORMER-2-BETA ISOFORM 3).	sptrembl Q15815	ND
2222	151.2	ALLERGEN.	sptrembl O74682	ND
2223	151.2	ZINC FINGER PROTEIN 37 (ZFP-37) (MALE GERM CELL SPECIFIC ZINC FINGER PROTEIN).	swissprot P17141	ND
2224	151.2	I71-7 PRECURSOR.	sptrembl Q27320	ND
2225	151.1	HYPOTHETICAL 33.4 KD PROTEIN IN RPL44B-RPC10 INTERGENIC REGION PRECURSOR.	swissprot P38844	ND
2226	151.1	TRANSLATIONALLY CONTROLLED TUMOR PROTEIN HOMOLOG (TCTP).	swissprot Q10344	ND
2227	151.1	F4P06.	sptrembl P79027	ND
2228	151.1	PRE-S1, PRE-S2 AND S.	sptrembl O39887	ND
2229	151.0	HYPOTHETICAL 15.5 KD PROTEIN.	sptrembl Q62882	ND
2230	151.0	EXCRETORY/SECRETORY MUCIN MUC-4.	tremblnew AAD49341	ND
2231	151.0	PROBABLE ATP-DEPENDENT RNA HELICASE DBP3 (HELICASE CA3).	swissprot P20447	ND
2232	151.0	HYPOTHETICAL 57.2 KD	sptrembl O68872	ND

		PROTEIN.		
2233	151.0	F43G6.9 PROTEIN.	sptrembl Q20374	ND
2234	151.0	GAG-POL POLYPROTEIN.	tremblnew AAF20282	ND
2235	150.9	HYPOTHETICAL OXIDOREDUCTASE IN FHUD-OPUBD INTERGENIC REGION.	swissprot O32223	ND
2236	150.9	PAC CLONE DJ1110N13 FROM 7P21-P22, COMPLETE SEQUENCE (FRAGMENT).	sptrembl O43376	ND
2237	150.9	ALDOSE EPIMERASE FAMILY PROTEIN.	tremblnew AAF10324	ND
2238	150.9	OSMOTIN-LIKE PROTEIN PRECURSOR.	swissnew Q41350	ND
2239	150.8	W05G11.6 PROTEIN.	sptrembl O44906	ND
2240	150.8	MYOSIN I HEAVY CHAIN KINASE (FRAGMENT).	sptrembl Q94488	ND
2241	150.8	ORF3.	sptrembl Q9YL22	ND
2242	150.8	PRP4.	geneseqp R29166	ND
2243	150.8	Yeast ribosomal protein S7.	geneseqp W36115	ND
2244	150.7	Porphorymonas gingivalis protein PG106.	geneseqp Y34446	ND
2245	150.7	RRNA ADENINE N-6- METHYLTRANSFERASE (EC 2.1.1.48) (MACROLIDE- LINCOSAMIDE- STREPTOGRAMIN B RESISTANCE PROTEIN) (ERYTHROMYCIN RESISTANCE PROTEIN) (NMT).	swissnew P07287	ND
2246	150.7	HYPOTHETICAL 10.5 KD PROTEIN C31A2.13C IN CHROMOSOME I.	swissprot Q09730	ND
2247	150.7	Human herpesvirus 8 (HHV-8) macrophage inhibitory protein- 1A.	geneseqp W40104	ND
2248	150.7	SPLICING FACTOR, ARGININE/SERINE-RICH 10 (PUTATIVE MYELIN REGULATORY FACTOR 1) (MRF-1) (FRAGMENT).	swissprot Q60701	ND
2249	150.7	MEGF6.	sptrembl O88281	ND
2250	150.6	NLPD PROTEIN.	tremblnew CAA06881	ND
2251	150.6	MITOCHONDRIAL PHOSPHATE CARRIER PROTEIN (PHOSPHATE TRANSPORT PROTEIN) (PTP) (MITOCHONDRIAL IMPORT RECEPTOR) (P32).	swissprot P23641	ND
2252	150.6	ARABINOGALACTAN- PROTEIN.	sptrembl Q9ZT16	ND
2253	150.5	Human secreted protein	geneseqp Y05319	ND

		cb96_10.		
2254	150.5	COLLAGEN ALPHA 1(VIII) CHAIN PRECURSOR (ENDOTHELIAL COLLAGEN).	swissprot P14282	ND
2255	150.5	MATING-TYPE PROTEIN BETA 1.	sptrembl Q9Y7A5	ND
2256	150.5	Peptide encoded by HRGP gene cassette.	geneseq Y01285	ND
2257	150.5	DJ347H13.5 (NOVEL PROTEIN SIMILAR TO YEAST DNA-DIRECTED RNA POLYMERASE III 25 KD POLYPEPTIDE).	sptrembl Q9Y535	ND
2258	150.4	TRANSCRIPTION TERMINATION FACTOR RHO.	swissprot P52154	ND
2259	150.4	PUTATIVE ZINC METALLOPROTEASE.	sptrembl O68338	ND
2260	150.4	SPERM-SPECIFIC PROTEIN PHI-1.	swissprot Q04621	ND
2261	150.4	C26C6.1 PROTEIN.	sptrembl Q18210	ND
2262	150.2	Human tastin.	geneseq R94900	ND
2263	150.2	ARABINOGALACTAN-PROTEIN PRECURSOR.	sptrembl Q40786	ND
2264	150.2	A201A-RESISTANCE ATP-BINDING PROTEIN (ARD1).	sptrembl Q53912	ND
2265	150.2	Human secreted protein encoded by gene No. 31.	geneseq Y27730	ND
2266	150.1	CHROMOSOME IV READING FRAME ORF YDL074C.	sptrembl Q07457	ND
2267	150.1	SERINE-THREONINE PROTEIN KINASE (FRAGMENT).	sptrembl P78975	ND
2268	150.1	EBNA-2 NUCLEAR PROTEIN.	sptrembl Q07701	ND
2269	150.1	1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE 1 (EC 3.1.4.11).	tremblnew CAB52721	ND
2270	150.1	SUPEROXIDE DISMUTASE (EC 1.15.1.1) (FRAGMENT).	sptrembl Q59593	ND
2271	150.1	BILE ACID-COENZYME A LIGASE (EC 6.-.-.-).	swissprot P19409	ND
2272	150.0	SPLICING FACTOR SRP55-1 (FRAGMENT).	sptrembl Q9XSS6	ND
2273	149.9	C06A1.6 PROTEIN.	sptrembl Q9XVX3	ND
2274	149.9	PROLINE-RICH PROTEIN PRECURSOR.	sptrembl Q41122	ND
2275	149.9	NEUROGENIC LOCUS NOTCH HOMOLOG PROTEIN 4 PRECURSOR (TRANSFORMING PROTEIN	swissprot P31695	ND

		INT-3).		
2276	149.9	EXPANSIN 18 (FRAGMENT).	tremblnew CAB65694	ND
2277	149.9	HYPOTHETICAL 31.2 KD PROTEIN RV0891C.	swissnew Q10551	ND
2278	149.9	SUPPRESSOR PROTEIN SRP40.	swissprot P32583	ND
2279	149.8	SPERM PROTEIN.	sptrembl Q24404	ND
2280	149.8	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46598	ND
2281	149.8	CODED FOR BY C. ELEGANS CDNA YK117B5.5.	sptrembl O01489	ND
2282	149.8	HYPOTHETICAL 41.0 KD PROTEIN.	sptrembl O64895	ND
2283	149.7	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P13730	ND
2284	149.7	GTG START CODON.	sptrembl Q45316	ND
2285	149.6	SIM1 PROTEIN.	swissprot P40472	ND
2286	149.6	HYPOTHETICAL 15.1 KD PROTEIN (FRAGMENT).	sptrembl P96909	ND
2287	149.6	HYPOTHETICAL 32.8 KD PROTEIN.	tremblnew AAF10253	ND
2288	149.5	LOW-SPECIFICITY D-THREONINE ALDOLASE.	tremblnew BAA86032	ND
2289	149.5	TROPOMYOSIN 1 (ISOFORM 34).	sptrembl Q24425	ND
2290	149.5	C HORDEIN PRECURSOR.	sptrembl Q40055	ND
2291	149.4	LATENCY-ASSOCIATED TRANSCRIPT MRNA.	sptrembl Q69079	ND
2292	149.4	U14 PROTEIN.	sptrembl Q9WT50	ND
2293	149.4	Mycobacterium species protein sequence 8A.	geneseqp Y04786	ND
2294	149.4	HYPOTHETICAL 59.4 KD PROTEIN.	sptrembl P74381	ND
2295	149.3	C03H5.1 PROTEIN.	sptrembl O16660	ND
2296	149.3	Tissue cement protein fragment encoded by clone 24.	geneseqp Y13498	ND
2297	149.3	C. parvum p23 protein fragment.	geneseqp W54052	ND
2298	149.2	Human galectin amino acid sequence.	geneseqp W61955	ND
2299	149.2	MYBS PROTEIN.	sptrembl O15816	ND
2300	149.2	TRANSCRIPTION FACTOR SOX-9.	swissprot P48434	ND
2301	149.1	Mycobacterium species protein sequence 21B'.	geneseqp Y04881	ND
2302	149.1	A serine/threonine protein kinase.	geneseqp W67639	ND
2303	149.1	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND

2304	149.1	T01D3.6B PROTEIN.	sptrembl O02364	ND
2305	149.0	PHEROPHORIN III (FRAGMENT).	sptrembl P93694	ND
2306	149.0	Human secreted protein encoded by gene 89 clone HLHFP03.	geneseq Y02738	ND
2307	149.0	HYPOTHETICAL 42.0 KD PROTEIN.	sptrembl O28535	ND
2308	149.0	HYPOTHETICAL 20.4 KD PROTEIN (FRAGMENT).	sptrembl Q9Y4N2	ND
2309	148.8	SIMILAR TO PART OF DISEASE RESISTANCE PROTEIN.	tremblnew AAD55639	ND
2310	148.8	PROLINE-RICH.	sptrembl Q94273	ND
2311	148.8	KTI12 PROTEIN.	swissprot P34253	ND
2312	148.8	FERRIC REDUCTASE TRANSMEMBRANE COMPONENT.	sptrembl O94727	ND
2313	148.8	AMINOPEPTIDASE 313 aa, chain A+B	pdb 1AZW	ND
2314	148.7	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6).	swissprot P16356	ND
2315	148.7	KIAA0561 PROTEIN (FRAGMENT).	tremblnew AAD22670	ND
2316	148.7	DNA-DIRECTED RNA POLYMERASE II LARGE (205KD) SUBUNIT (EC 2.7.7.6) (FRAGMENT).	sptrembl Q99367	ND
2317	148.7	PUTATIVE EXTENSIN.	sptrembl Q9ZNU3	ND
2318	148.6	SWI/SNF RELATED, MATRIX ASSOCIATED, ACTIN DEPENDENT REGULATOR OF CHROMATIN, SUBFAMILY A, MEMBER 4 (BRG1) (FRAGMENT).	sptrembl O35845	ND
2319	148.6	HIGH MOLECULAR MASS NUCLEAR ANTIGEN (FRAGMENT).	sptrembl O57580	ND
2320	148.6	PUTATIVE SEC24-LIKE COPII PROTEIN.	tremblnew AAF20236	ND
2321	148.6	SIMILAR TO EPOXIDE HYDROLASES.	tremblnew BAA84627	ND
2322	148.5	HYPOTHETICAL 23.8 KD PROTEIN (FRAGMENT).	sptrembl Q9XSR6	ND
2323	148.5	GLUCOAMYLASE.	tremblnew AAC49609	ND
2324	148.5	HYPOTHETICAL 27.2 KD PROTEIN.	sptrembl O50997	ND
2325	148.5	FLBD.	tremblnew AAF01466	ND
2326	148.5	CUTICLE COLLAGEN 34.	swissprot P34687	ND
2327	148.5	HYPOTHETICAL 60.7 KD PROTEIN C26A3.15C IN	swissprot Q10168	ND

		CHROMOSOME I.		
2328	148.4	SPERM PROTAMINE P1.	swissprot P42131	ND
2329	148.4	T. gondii immunogenic protein.	geneseq Y29061	ND
2330	148.4	Human CTR.	geneseq R37424	ND
2331	148.4	CYCLIC AMP PHOSPHODIESTERASE.	tremblnew AAC00042	ND
2332	148.4	Human secreted protein encoded by gene No. 47.	geneseq Y27757	ND
2333	148.3	HumB3V1 humanised variable light chain.	geneseq R95212	ND
2335	148.2	C04G2.8 PROTEIN.	sptrembl Q17626	ND
2336	148.2	KIAA0755 PROTEIN.	sptrembl O94855	ND
2337	148.2	MATING-TYPE PROTEIN A-ALPHA Y3.	swissprot P37934	ND
2338	148.1	A human tumour necrosis factor-R2-like proteins (TR2P)-2.	geneseq Y28450	ND
2339	148.1	T21B6.3 PROTEIN.	sptrembl Q22631	ND
2340	148.1	HYPOTHETICAL 62.8 KD PROTEIN.	sptrembl O23187	ND
2341	148.1	CATHEPSIN L PRECURSOR (EC 3.4.22.15) (MAJOR EXCRETED PROTEIN) (MEP) (CYCLIC PROTEIN-2) (CP-2).	swissprot P07154	ND
2342	148.1	FAMILY 19 CHITINASE (PRYA1 ORF) PRECURSOR.	sptrembl Q9WXI9	ND
2343	148.0	DNA HELICASE/PRIMASE COMPLEX ASSOCIATED PROTEIN.	swissprot P10192	ND
2344	148.0	NO COUNTERPART IN HSV-1 OR VZV.	sptrembl O39244	ND
2345	148.0	DIHYDRODIOL DEHYDROGENASE.	sptrembl Q51748	ND
2346	148.0	EXTENSIN CLASS II PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) (HRGP) (TOML-4).	sptrembl Q09084	ND
2347	148.0	Human secreted protein encoded by gene 64 clone HMWEX24.	geneseq W74793	ND
2348	148.0	T13F2.6 PROTEIN.	sptrembl Q94049	ND
2349	148.0	ENVELOPE GLYCOPROTEIN (FRAGMENT).	sptrembl O39337	ND
2350	147.9	COAT PROTEIN.	sptrembl Q65970	ND
2351	147.8	SOX100B PROTEIN.	tremblnew CAB63903	ND
2352	147.8	NOLC PROTEIN.	swissprot P26508	ND
2353	147.8	HYPOTHETICAL 47.8 KD PROTEIN.	sptrembl O60158	ND
2354	147.7	MEROZOITE SURFACE PROTEIN-1 (FRAGMENT).	sptrembl O00879	ND
2355	147.7	BASEMENT MEMBRANE	swissprot Q06561	ND

		PROTEOGLYCAN PRECURSOR (PERLECAN HOMOLOG).		
2356	147.7	PHYTOCHROME (FRAGMENT).	sptrembl P93057	ND
2357	147.7	MELANOCYTE PROTEIN 17 PRECURSOR (FRAGMENT).	sptrembl O97884	ND
2358	147.7	ANTHER-SPECIFIC PROTEIN SF18 PRECURSOR (FRAGMENT).	swissprot P22357	ND
2359	147.6	F17C11.1 PROTEIN.	sptrembl Q19521	ND
2360	147.6	C4SR PROTEIN.	sptrembl Q91708	ND
2361	147.5	HYPOTHETICAL 112.1 KD PROTEIN C06G4.1 IN CHROMOSOME III.	swissprot P34307	ND
2362	147.5	RECA PROTEIN (FRAGMENT).	tremblnew AAF25430	ND
2363	147.5	CODED FOR BY C. ELEGANS CDNA YK37G1.5.	sptrembl Q20649	ND
2364	147.5	MUCIN (FRAGMENT).	sptrembl Q14879	ND
2365	147.3	REPA1 PROTEIN.	tremblnew CAB56190	ND
2366	147.3	F32D1.3 PROTEIN.	sptrembl O16296	ND
2367	147.3	ZINC-PROTEASE TRANSPORTER.	sptrembl O67995	ND
2368	147.3	Chlamydia pneumoniae protein not found in C. trachomatis.	geneseqp Y35721	ND
2369	147.2	HUNCHBACK PROTEIN (HB).	sptrembl O62537	ND
2370	147.2	EXTENSIN.	sptrembl Q9ZWT0	ND
2371	147.2	CODED FOR BY C. ELEGANS CDNA YK150F2.5.	sptrembl O01681	ND
2372	147.2	SIMILARITY TO SCAMP37.	sptrembl Q9ZTX0	ND
2373	147.2	A-lineage conotoxin SmIII prepropeptide.	geneseqp W12767	ND
2374	147.2	ROX1 REPRESSOR (HYPOXIC FUNCTION REPRESSOR) (HEME- DEPENDENT REPRESSION FACTOR).	swissprot P25042	ND
2375	147.2	ALPHA-AMYLASE INHIBITOR BMAI-1 PRECURSOR (ALLERGEN HOR V 1) (ALPHA- AMYLASE FLOUR INHIBITOR) (FRAGMENT).	swissprot P16968	ND
2376	147.1	EXTENSIN CLASS 1 PROTEIN PRECURSOR (EXTENSIN-LIKE PROTEIN).	sptrembl Q41707	ND
2377	147.1	PARVALBUMIN ALPHA (PA 4.97).	swissprot P18087	ND
2378	147.1	P20-gammaZ zein protein sequence.	geneseqp W22526	ND
2379	147.1	HYPOTHETICAL 30.2 KD	sptrembl P71863	ND

		PROTEIN.		
2380	147.1	F36F2.2 PROTEIN.	sptrembl O62233	ND
2381	147.0	PROLINE RICH PROTEIN PRECURSOR.	sptrembl Q43558	ND
2382	147.0	ORF 50.	sptrembl Q66652	ND
2383	147.0	HYPOTHETICAL 14.6 KD PROTEIN.	sptrembl O67892	ND
2384	147.0	POLYPROTEIN (FRAGMENT).	sptrembl Q9YK32	ND
2385	147.0	RNA POLYMERASE (FRAGMENT).	sptrembl O37355	ND
2386	146.9	MYOSIN REGULATORY LIGHT CHAIN INTERACTING PROTEIN MIR.	tremblnew AAF18974	ND
2387	146.9	Human h1CED-6 proline/serine rich region.	geneseqp Y27251	ND
2388	146.9	MEGF6 (FRAGMENT).	sptrembl O75095	ND
2389	146.9	ESRS4.	sptrembl Q9YIB1	ND
2390	146.8	HYPOTHETICAL PROTEIN E-115.	swissprot P03290	ND
2391	146.8	ETS-RELATED PROTEIN ERM (ETS TRANSLOCATION VARIANT 5).	swissprot P41161	ND
2392	146.7	PROBABLE IMIDAZOLEGLYCEROL- PHOSPHATE DEHYDRATASE (EC 4.2.1.19) (IGPD).	swissprot Q58109	ND
2393	146.7	Streptococcus pneumoniae PspA central region.	geneseqp W14579	ND
2394	146.7	PUTATIVE ZINC FINGER PROTEIN.	sptrembl O74256	ND
2395	146.7	PROLINE-RICH PROTEOGLYCAN PRPG2.	sptrembl Q07611	ND
2396	146.7	HORMONE/GROWTH FACTOR 290 aa, chain B+E	pdb 1QCT	ND
2397	146.6	ORF IIL.	sptrembl Q65223	ND
2398	146.6	LL5 MRNA.	sptrembl Q63312	ND
2399	146.6	HYPOTHETICAL PROTEIN (FRAGMENT).	tremblnew BAA87194	ND
2400	146.5	F55C9.9 PROTEIN.	sptrembl Q9XUZ2	ND
2401	146.5	RAS-LIKE GTP-BINDING PROTEIN RYL2.	swissprot P41925	ND
2402	146.4	HYPOTHETICAL 40.1 KD PROTEIN.	sptrembl O06798	ND
2403	146.4	E1B PROTEIN, LARGE T- ANTIGEN.	swissprot P04491	ND
2404	146.4	PUTATIVE ABC TRANSPORTER.	tremblnew CAB58409	ND
2405	146.4	DUAL-SPECIFICITY TYROSINE-(Y)- PHOSPHORYLATION REGULATED KINASE (EC	swissprot Q61214	ND

		2.7.1.-) (PROTEIN KINASE MINIBRAIN HOMOLOG) (MP86).		
2406	146.4	CYTOCHROME C OXIDASE POLYPEPTIDE II (EC 1.9.3.1).	sptrembl O47580	ND
2407	146.4	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) (HRGP) (PTel 15).	sptrembl Q06446	ND
2408	146.3	F38C2.6 PROTEIN.	sptrembl O45492	ND
2409	146.3	GLYCOSYLTRANSFERASE-LIKE PROTEIN.	tremblnew CAB42905	ND
2410	146.3	TONB PROTEIN.	tremblnew CAB64965	ND
2411	146.3	Drosophila trithorax zinc finger domain 1266-1483.	geneseqp R38471	ND
2412	146.3	VESICLE-ASSOCIATED PROTEIN (VAP-1) (FRAGMENT).	swissprot Q06155	ND
2413	146.3	Human mDia Rho targeting protein.	geneseqp W76734	ND
2414	146.2	ATP SYNTHASE A CHAIN (EC 3.6.1.34).	sptrembl Q95782	ND
2415	146.2	F35G12.10 PROTEIN.	sptrembl Q20053	ND
2416	146.2	CTG3A (FRAGMENT).	sptrembl Q9Y4I7	ND
2417	146.2	ROD SHAPE-DETERMINING PROTEIN MREC (MREC).	sptrembl Q9ZCH5	ND
2418	146.2	KRAB-ZINC FINGER PROTEIN KZF-1.	sptrembl P70590	ND
2419	146.2	SEIZURE-RELATED GENE PRODUCT 6 TYPE 3 PRECURSOR.	sptrembl Q62224	ND
2420	146.2	HYPOTHETICAL 172.2 KD PROTEIN.	tremblnew CAB41133	ND
2421	146.1	EF-G.	tremblnew BAA88140	ND
2422	146.1	Actinomadura flexuosa xylanase.	geneseqp R94881	ND
2423	146.1	AMYLOID BETA (A4) PRECURSOR PROTEIN-BINDING, FAMILY B, MEMBER 1 (FE65) (FRAGMENT).	sptrembl O08642	ND
2424	146.0	HUNCHBACK PROTEIN (HB) (FRAGMENTS).	sptrembl O46256	ND
2425	146.0	HYPOTHETICAL 11.1 KD PROTEIN (ORF 1).	swissprot P11907	ND
2426	146.0	WW DOMAIN BINDING PROTEIN 5 (FRAGMENT).	sptrembl O08549	ND
2427	146.0	NADH DEHYDROGENASE SUBUNIT 4 (FRAGMENT).	sptrembl Q96091	ND
2428	146.0	DBL ALPHA PROTEIN (FRAGMENT).	sptrembl Q9XZA9	ND

2429	146.0	PUTATIVE KUP ZINC-FINGER {N-TERMINAL, CLONE EST07388}.	tremblnew G407623	ND
2430	145.9	Canine hookworm Neutrophil Inhibitory Factor isoform 1P.	geneseqp R52986	ND
2431	145.9	PUTATIVE EXTENSIN.	sptrembl Q9ZNU3	ND
2432	145.9	NIF-SPECIFIC REGULATORY PROTEIN.	swissprot P09133	ND
2433	145.9	Amino acid sequence of a virulence factor encoded by ORF25510.	geneseqp Y29194	ND
2434	145.8	MITOCHONDRIAL CAPSULE SELENOPROTEIN.	sptrembl O70613	ND
2435	145.8	MUCIN-LIKE PROTEIN.	sptrembl O61035	ND
2436	145.8	TRANSCRIPTION FACTOR MTF-1.	sptrembl Q9YGM3	ND
2437	145.8	W02B12.2 PROTEIN.	sptrembl Q23120	ND
2438	145.8	ACIDIC PROLINE-RICH PROTEIN PRP33 PRECURSOR.	swissprot P04474	ND
2439	145.7	KINESIN-LIKE DNA BINDING PROTEIN.	sptrembl O94814	ND
2440	145.7	TRBH PROTEIN.	swissprot P19381	ND
2441	145.7	Mycobacterium tuberculosis antigen TbH-29.	geneseqp W64359	ND
2442	145.6	HYPOTHETICAL 13.0 KD PROTEIN IN GIT1-PAU3 INTERGENIC REGION.	swissprot P25609	ND
2443	145.6	METALLOTHIONEIN-III (MT-III) (GROWTH INHIBITORY FACTOR) (GIF).	swissprot P37361	ND
2444	145.6	HISTONE H3.	swissprot P07041	ND
2445	145.6	Amino acid sequence of a virulence factor encoded by ORF6325.	geneseqp Y29127	ND
2446	145.5	NADH DEHYDROGENASE SUBUNIT 4 (FRAGMENT).	tremblnew AAC98214	ND
2447	145.5	ORF C1.	sptrembl Q67591	ND
2448	145.5	HYPOTHETICAL 13.2 KD PROTEIN IN RPS4A-BAT2 INTERGENIC REGION.	swissprot P47174	ND
2449	145.5	152AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YG78	ND
2450	145.5	LATE EXPRESSION FACTOR 6.	sptrembl Q9YMT6	ND
2451	145.5	SPLICING FACTOR SRP54.	sptrembl O61646	ND
2452	145.5	Human neurofilament-M mutant protein fragment 89.	geneseqp Y20807	ND
2453	145.4	F24J5.8 PROTEIN.	tremblnew AAD49974	ND
2454	145.3	DNA POLYMERASE (FRAGMENT).	sptrembl Q9YRJ7	ND
2455	145.3	SERRATEB.	sptrembl	ND

			Q9YHU2	
2456	145.3	SPROUTY 2.	tremblnew AAD56005	ND
2457	145.2	Fragment of human secreted protein encoded by gene 54.	geneseq Y36675	ND
2458	145.2	133AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YDU6	ND
2459	145.2	KIAA1103 PROTEIN (FRAGMENT).	tremblnew BAA83055	ND
2460	145.2	K07E8.11 PROTEIN.	sptrembl O16693	ND
2461	145.2	HEMOGLOBIN ALPHA-B CHAIN.	swissprot P51465	ND
2462	145.1	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q40692	ND
2463	145.1	NAD(P)H-DEPENDENT XYLOSE REDUCTASE (EC 1.1.1.-) (XR).	swissprot P78736	ND
2464	145.1	ASPARTATE TRANSAMINASE.	sptrembl P72859	ND
2465	145.1	GLYCOPROTEIN G-2 (FRAGMENT).	tremblnew CAB65677	ND
2466	145.1	Glucose repressor CRE1 of T. reesei.	geneseq W13846	ND
2467	145.0	HOMEBOX PROTEIN ALX3 (FRAGMENT).	sptrembl O95075	ND
2468	145.0	HIV-1 ISOLATE 93BR020 FROM BRAZIL COMPLETE GENOME.	sptrembl O70890	ND
2469	145.0	WASP INTERACTING PROTEIN.	sptrembl O43516	ND
2470	145.0	BASIC DOMAIN LEUCINE ZIPPER TRANSCRIPTION FACTOR.	sptrembl Q9W6B1	ND
2471	144.9	VASOPRESSIN REGULATED WATER CHANNEL.	sptrembl Q9YI69	ND
2472	144.9	PRP8 PROTEIN HOMOLOGUE.	sptrembl O15881	ND
2473	144.9	GLUE PROTEIN.	sptrembl Q27423	ND
2474	144.9	MITOCHONDIA ASSOCIATED CYSTEINE- RICH PROTEIN SMCP.	sptrembl Q64298	ND
2475	144.9	TREACLE PROTEIN (TREACHER COLLINS SYNDROME PROTEIN).	swissprot Q13428	ND
2476	144.8	MIE2.	sptrembl Q98683	ND
2477	144.8	LATE 100 KD PROTEIN.	swissprot P11824	ND
2478	144.7	HYPOTHETICAL 6.3 KD PROTEIN T23F2.5 IN CHROMOSOME X.	swissprot Q22702	ND
2479	144.7	HEPATITIS A VIRUS RECEPTOR.	sptrembl O18984	ND
2480	144.7	Peptide encoded by HRGP gene cassette incorporating a GAGP construct.	geneseq Y01282	ND
2481	144.7	HYPOTHETICAL PROTEIN	sptrembl P72068	ND

		(FRAGMENT).		
2482	144.7	NCK-ASSOCIATED PROTEIN NAP5 (FRAGMENT).	sptrembl O14513	ND
2483	144.7	AMPHIOXUS OTX TRANSCRIPTION FACTOR.	sptrembl O45024	ND
2484	144.7	A. oryzae DEBY10.3 locus protein sequence.	geneseqp Y39872	ND
2485	144.6	Cyn dI derived from clone 22 (C22).	geneseqp R37919	ND
2486	144.6	HYPOTHETICAL 14.8 KD PROTEIN.	sptrembl O43034	ND
2487	144.6	TRISTETRAPROLINE (TTP) (TIS11A) (TIS11) (ZFP-36) (GROWTH FACTOR-INDUCIBLE NUCLEAR PROTEIN NUP475) (TPA INDUCED SEQUENCE 11).	swissprot P22893	ND
2488	144.6	MACROSIALIN PRECURSOR (CD68).	swissprot P31996	ND
2489	144.5	SERINE PROTEASE INHIBITOR-3.	sptrembl O77418	ND
2490	144.5	SPERM PROTAMINE P1.	swissprot P35311	ND
2491	144.5	HYPOTHETICAL 63.2 KD PROTEIN.	sptrembl O59725	ND
2492	144.5	ANGIOGENIN (EC 3.1.27.-).	swissprot P31347	ND
2493	144.5	L549.6.	sptrembl O60967	ND
2494	144.5	Fibrinogenolytic protein #4 from snake venom.	geneseqp R20557	ND
2495	144.5	Sequence of spermatozoal antigen peptide.	geneseqp P40632	ND
2496	144.5	CYSTEINE-RICH PROTEIN (FRAGMENT).	sptrembl Q16861	ND
2497	144.5	Streptococcus pneumoniae PspA central region.	geneseqp W14576	ND
2498	144.5	CARBAMOYL-PHOSPHATE SYNTHETASE SUBUNIT A.	sptrembl O30576	ND
2499	144.4	Acylcoenzyme A:cholesterol acyltransferase partial sequence.	geneseqp W43413	ND
2500	144.4	CAMP-SPECIFIC PHOSPHODIESTERASE.	sptrembl O35470	ND
2501	144.4	HYPOTHETICAL 21.7 KD PROTEIN.	sptrembl O67497	ND
2502	144.4	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83714	ND
2503	144.4	HYPOTHETICAL 26.2 KD PROTEIN.	sptrembl O30169	ND
2504	144.4	SPDA PROTEIN.	sptrembl Q07193	ND
2505	144.3	HIGH CYSTEINE KERATIN-ASSOCIATED PROTEIN 12.1.	sptrembl Q9Z287	ND
2506	144.3	KIAA0775 PROTEIN.	sptrembl O94873	ND
2507	144.3	MITOCHONDRIAL CAPSULE SELENOPROTEIN.	sptrembl O70613	ND
2508	144.3	FORKHEAD-RELATED	swissnew Q12948	ND

		TRANSCRIPTION FACTOR 3 (FREAC-3).		
2509	144.3	HYPOTHETICAL 43.6 KD PROTEIN.	sptrembl Q03935	ND
2510	144.3	PUTATIVE INTEGRASE.	tremblnew CAB65361	ND
2511	144.2	NEUTROPHIL PROTEIN (FRAGMENT).	sptrembl Q99331	ND
2512	144.2	CHORIOGENIN H PRECURSOR.	sptrembl P79817	ND
2513	144.2	SEGMENTATION GENE.	tremblnew AAD19794	ND
2514	144.2	DNA BINDING PROTEIN (FRAGMENT).	sptrembl Q40726	ND
2515	144.2	KV3.1 POTASSIUM CHANNEL.	tremblnew AAD52813	ND
2516	144.1	HYPOTHETICAL 53.5 KD PROTEIN IN GCD14-POS18 INTERGENIC REGION.	swissprot P47018	ND
2517	144.1	CYTOCHROME P450 17 (EC 1.14.99.9) (CYPXVII) (P450-C17) (STEROID 17-ALPHA-HYDROXYLASE/17,20 LYASE).	swissprot O57525	ND
2518	144.1	TRANSCRIPTION FACTOR (FRAGMENT).	tremblnew AAD27591	ND
2519	144.1	MUCIN MUC5B (FRAGMENT).	sptrembl Q99552	ND
2520	144.1	Hepatocyte nuclear factor 4 alpha polypeptide (exon 8 product).	geneseqp W71571	ND
2521	144.1	LATENCY ASSOCIATED TRANSCRIPT.	sptrembl Q9YPF7	ND
2522	144.0	PUTATIVE HYDROLASE.	tremblnew CAB59667	ND
2523	144.0	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN (FRAGMENT).	sptrembl Q40552	ND
2524	144.0	SMALL PROLINE-RICH PROTEIN WITH PAIRED REPEAT.	sptrembl Q28593	ND
2525	143.9	W02G9.5 PROTEIN.	sptrembl O61903	ND
2526	143.9	Mammalian ion channel proline rich motif containing peptide #19.	geneseqp Y41625	ND
2527	143.9	F24J5.8 PROTEIN.	tremblnew AAD49974	ND
2528	143.9	CHROMOSOME XII READING FRAME ORF YLR020C.	sptrembl Q07950	ND
2529	143.9	BETA(1,4)-GLUCAN GLUCANOHYDROLASE PRECURSOR.	sptrembl O31030	ND
2530	143.9	INSA.	tremblnew AAD45539	ND
2531	143.9	NICE-1 PROTEIN.	tremblnew	ND

			CAB65093	
2532	143.8	Human lysosomal membrane sialoglycoprotein lamp-1	geneseqp R69554	ND
2533	143.8	T. gondii immunogenic protein.	geneseqp Y29081	ND
2534	143.8	50KD PROLINE RICH PROTEIN.	sptrembl Q9ZBP2	ND
2535	143.8	MITOGEN-ACTIVATED PROTEIN KINASE HOMOLOG NTF6 (EC 2.7.1.-) (P43).	swissprot Q40531	ND
2536	143.7	Intestinal mucin deduced from clone SMUC 40.	geneseqp R07670	ND
2537	143.7	PUTATIVE DEUBIQUITINATING ENZYME UBPY.	sptrembl Q9WVP5	ND
2538	143.7	CALDENDRIN.	sptrembl O88751	ND
2539	143.7	MULTIDRUG-EFFLUX TRANSPORTER, PUTATIVE.	tremblnew AAF12676	ND
2540	143.7	F13F21.7 PROTEIN.	sptrembl Q9XIB6	ND
2541	143.7	METALLOPROTEINASE PRECURSOR.	tremblnew AAF01041	ND
2542	143.7	HYPOTHETICAL 21.5 KD PROTEIN (FRAGMENT).	sptrembl Q9Y4U5	ND
2543	143.7	M150R.	tremblnew AAF15037	ND
2544	143.6	DY3.5 PROTEIN.	sptrembl O45322	ND
2545	143.6	MACROPHOMATE SYNTHASE.	tremblnew BAA89352	ND
2546	143.6	Human glial fibrillary acidic protein GFAP mutant fragment 13.	geneseqp Y21004	ND
2547	143.6	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
2548	143.6	KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIA3.	swissprot P02441	ND
2549	143.6	Rodent DCMP1 C-lectin family gene protein sequence.	geneseqp W88128	ND
2550	143.5	ATPASE SUBUNIT 6.	tremblnew AAF17127	ND
2551	143.5	Peptide derived from the beta subunit of hCG.	geneseqp W42217	ND
2552	143.5	NEUROFILAMENT TRIPLET L PROTEIN (NF-L).	swissprot Q02916	ND
2553	143.5	L2602.6.	sptrembl O60961	ND
2554	143.5	Y69E1A.2 PROTEIN.	sptrembl Q9XW38	ND
2555	143.5	VERY HYPOTHETICAL PROTEIN.	tremblnew CAB52568	ND
2556	143.4	Amino acid sequence of a mouse sperm protein designated sp56.	geneseqp W39924	ND
2557	143.4	HOMOLOG OF HUMAN MLLT2 UNIDENTIFIED GENE (MAF4) (FRAGMENT).	sptrembl O35233	ND
2558	143.4	HYPOTHETICAL 90.6 KD PROTEIN C09D8.2 IN	sptrembl Q09434	ND

		CHROMOSOME II.		
2559	143.3	HYPOTHETICAL 57.2 KD PROTEIN.	sptrembl O68872	ND
2560	143.3	W CHROMOSOME-SPECIFIC XHOI FAMILY REPEAT (FRAGMENT).	sptrembl Q90983	ND
2561	143.3	PROTO-ONCOGENE FRAT1 (FREQUENTLY REARRANGED IN ADVANCED T-CELL LYMPHOMAS).	swissnew Q92837	ND
2562	143.3	NHP2/RS6 FAMILY PROTEIN YEL026W.	swissprot P39990	ND
2563	143.2	Peptide encoded by HRGP gene cassette incorporating a SP construct.	geneseqp Y01284	ND
2564	143.2	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P37211	ND
2565	143.2	REPETITIVE SEQUENCE ELEMENT MGP-R5 (FRAGMENT).	sptrembl Q49395	ND
2566	143.2	PUTATIVE TRANSCRIPTION FACTOR MYB94.	tremblnew CAB61986	ND
2567	143.2	HYPOTHETICAL 59.4 KD PROTEIN.	sptrembl Q89392	ND
2568	143.2	VW02B12L.3 PROTEIN.	sptrembl Q9XXA2	ND
2569	143.1	EG:BACR42I17.8 PROTEIN.	tremblnew CAB65885	ND
2570	143.1	C30E1.7 PROTEIN.	sptrembl O17330	ND
2571	143.1	F26D10.11 PROTEIN.	sptrembl Q9XVU1	ND
2572	143.1	PROLINE-RICH PROTEIN MP-2 PRECURSOR.	swissprot P05142	ND
2573	143.0	NEUROGENIC DIFFERENTIATION FACTOR 1 (BETA-CELL E-BOX TRANS-ACTIVATOR 2) (BETA2).	swissprot Q60430	ND
2574	143.0	TOPOISOMERASE I.	sptrembl O24307	ND
2575	143.0	COSMID F25B4.	sptrembl Q22965	ND
2576	143.0	ENTERIC BETA-DEFENSIN PRECURSOR.	swissprot O02775	ND
2577	143.0	ATROPHIN-RELATED PROTEIN ARP.	sptrembl Q9Y2W4	ND
2578	143.0	Delta-endotoxin MIVDL.	geneseqp R88002	ND
2579	143.0	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.	swissprot P32323	ND
2580	143.0	AT2G21830 PROTEIN.	tremblnew AAD20402	ND
2581	143.0	Chlamydia pneumoniae lipoprotein sequence.	geneseqp Y35857	ND
2582	142.9	REGULATORY PROTEIN	tremblnew	ND

		P4G.	CAB55346	
2583	142.9	HYPOTHETICAL NUCLEAR PROTEIN (FRAGMENT).	tremblnew BAA87215	ND
2584	142.9	ESTROGEN RECEPTOR BETA (FRAGMENT).	sptrembl Q95171	ND
2585	142.9	HYPOTHETICAL 35.0 KD PROTEIN IN ARP5-OMP2 INTERGENIC REGION.	swissprot P53947	ND
2586	142.8	Human glial fibrillary acidic protein GFAP wild type fragment 12.	geneseqp Y20986	ND
2587	142.8	HYPOTHETICAL 13.4 KD PROTEIN.	sptrembl Q84187	ND
2588	142.8	CODING REGION FOR PUTATIVE POLYPEPTIDE 2.	sptrembl Q64922	ND
2589	142.8	Distal-less homeobox gene 3delta (DLX3delta) protein.	geneseqp Y39227	ND
2590	142.8	SERINE/THREONINE KINASE PAK HOMOLOG DPAK.	sptrembl Q24190	ND
2591	142.8	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
2592	142.7	Cotton fibrous tissue specific protein KC03.	geneseqp W15761	ND
2593	142.7	SOLUBLE DEATH RECEPTOR 3 BETA.	sptrembl O14866	ND
2594	142.7	DNA, TRANSPOSABLE ELEMENT IS31831.	sptrembl Q45144	ND
2595	142.7	KIAA1239 PROTEIN (FRAGMENT).	tremblnew BAA86553	ND
2596	142.7	SIMILAR TO TYROSINE AMINOTRANSFERASE.	sptrembl Q9ZC65	ND
2597	142.7	DEFENSIN GENE PRECURSOR.	sptrembl O65740	ND
2598	142.7	Human VRF-2 truncated fragment 4.	geneseqp W86217	ND
2599	142.7	NESTIN.	swissprot P48681	ND
2600	142.7	RAG1 PROTEIN (FRAGMENT).	tremblnew AAD54537	ND
2601	142.7	VASOPRESSIN V2 RECEPTOR.	sptrembl O77808	ND
2602	142.7	DISULFIDE OXIDOREDUCTASE 188 aa, chain A+B	pdb 1FVJ	ND
2603	142.6	HISTIDINE-RICH.	sptrembl Q20689	ND
2604	142.6	HYPOTHETICAL 31.8 KD PROTEIN.	tremblnew AAD49200	ND
2605	142.6	DNA-DIRECTED DNA POLYMERASE (EC 2.7.7.7) (DNA NUCLEOTIDYLTRANSFERASE (DNA-DIRECTED)) (FRAGMENT).	sptrembl Q95037	ND
2606	142.6	F36A2.7 PROTEIN.	sptrembl P90860	ND
2607	142.5	Mouse Desert hedgehog protein Dhh.	geneseqp Y05511	ND

2608	142.5	HOMEBOX PROTEIN HOX-B4 (HOXB-4).	swissnew O13074	ND
2609	142.5	Mycobacterium species protein sequence 15F.	geneseqp Y04837	ND
2610	142.5	SINGLE-STRAND SELECTIVE MONOFUNCTIONAL URACIL DNA GLYCOSYLASE.	sptrembl O95862	ND
2611	142.4	102AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YB00	ND
2612	142.4	104AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YB81	ND
2613	142.4	152AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YEE0	ND
2614	142.3	LIM HOMEBOX PROTEIN.	sptrembl P92031	ND
2615	142.3	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
2616	142.3	NODULIN 23 PRECURSOR (N-23).	swissprot P04144	ND
2617	142.3	A588R PROTEIN.	sptrembl O41070	ND
2618	142.3	ZK1067.2 PROTEIN.	sptrembl Q23388	ND
2619	142.3	PROLINE-AND GLUTAMINE-RICH PROTEIN.	tremblnew AAF07181	ND
2620	142.2	CHLOROPLAST IMPORT-ASSOCIATED CHANNEL HOMOLOG.	tremblnew CAB51191	ND
2621	142.2	WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG 1.	sptrembl O36027	ND
2622	142.2	PHOSPHOSERINE PHOSPHATASE (EC 3.1.3.3) (PSP) (O-PHOSPHOSERINE PHOSPHOHYDROLASE) (PSP).	swissnew P42941	ND
2623	142.2	METHYL-CPG BINDING PROTEIN 2 (FRAGMENT).	tremblnew AAF21637	ND
2624	142.2	FROM BASES 1663181 TO 1676139 (SECTION 145 OF 400) OF THE COMPLETE GENOME (SECTION 145 OF 400).	sptrembl P76176	ND
2625	142.2	OUTER CAPSID PROTEIN VP2 (FRAGMENT).	sptrembl Q9WHT4	ND
2626	142.1	252AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YBR3	ND
2627	142.1	FIBRINOGEN-BINDING PROTEIN PRECURSOR.	sptrembl O70022	ND
2628	142.1	HYPOTHETICAL 49.9 KD PROTEIN.	tremblnew CAB41154	ND
2629	142.1	NULLO (FRAGMENT).	sptrembl O02574	ND
2630	142.0	PUTATIVE OXIDOREDUCTASE.	sptrembl Q9Z4W3	ND
2631	142.0	AMELOGENIN.	tremblnew BAA84220	ND

2632	142.0	PHOSPHATIDYLINOSITOL 3-KINASE 2 (EC 2.7.1.137) (PI3-KINASE) (PTDINS-3-KINASE) (PI3K).	swissprot P54674	ND
2633	142.0	Sequence encoded by plasmid pUC18RRstop in E.coli.	geneseqp P94507	ND
2634	142.0	THIOREDOXIN M-TYPE, CHLOROPLAST PRECURSOR (TRX-M).	swissprot P07591	ND
2635	142.0	PUTATIVE SENSORY HISTIDINE KINASE.	sptrembl O86808	ND
2636	141.9	METHYL-CPG BINDING PROTEIN.	sptrembl O15248	ND
2637	141.9	SPERM PROTAMINE P1.	swissprot O18748	ND
2638	141.9	4Heptad-F zipper protein.	geneseqp W00956	ND
2639	141.9	113AA LONG HYPOTHETICAL PROTEIN.	sptrembl O58987	ND
2640	141.8	SEQ ID NO 474 from WO9922243.	geneseqp Y19756	ND
2641	141.8	HYPOTHETICAL 10.3 KD PROTEIN.	sptrembl O32903	ND
2642	141.8	HYPOTHETICAL 19.8 KD PROTEIN.	sptrembl Q52968	ND
2643	141.8	PSEUDOURIDYLATE SYNTHASE 1 (EC 4.2.1.70) (PSEUDOURIDINE SYNTHASE 1).	swissprot Q12211	ND
2644	141.7	(SCSV1).	sptrembl Q87008	ND
2645	141.7	Human receptor interacting protein.	geneseqp W04628	ND
2646	141.7	SPROUTY 2.	sptrembl O43597	ND
2647	141.6	VARIABLE SURFACE ANTIGEN V-1, HEMADSORPTION NEGATIVE (VSAHA-) (FRAGMENT).	sptrembl Q50323	ND
2648	141.6	BCL-X (FRAGMENT).	tremblnew AAC72232	ND
2649	141.6	Fragment of human secreted protein encoded by gene 10.	geneseqp Y36432	ND
2650	141.6	SRC protein tyrosine kinase derived peptide #4.	geneseqp R93347	ND
2651	141.6	COAGULATION FACTOR XII PRECURSOR (EC 3.4.21.38) (HAGEMAN FACTOR) (HAF).	swissprot P00748	ND
2652	141.5	P53.	tremblnew AAF03996	ND
2653	141.5	SIMILAR TO TREHALASE PRECURSOR. NCBI GI: 1086612.	sptrembl Q22195	ND
2654	141.5	151AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YEG3	ND
2655	141.4	HYPOTHETICAL 49.7 KD PROTEIN.	sptrembl P72863	ND

2656	141.4	CYCLIN-E BINDING PROTEIN I.	tremblnew BAA88519	ND
2657	141.4	BLACKJACK.	sptrembl Q26471	ND
2658	141.4	HPV16 E6/E7 proteins.	geneseqp R63865	ND
2659	141.4	HYPOTHETICAL 69.8 KD PROTEIN.	tremblnew CAB52444	ND
2660	141.3	CHORDIN.	sptrembl Q9Z0E2	ND
2661	141.3	F53B6.2 PROTEIN.	sptrembl P90884	ND
2662	141.3	ENVELOPE GLYCOPROTEIN (FRAGMENT).	sptrembl O91928	ND
2663	141.3	TRANSCRIPTION FACTOR BTD (BUTTONHEAD).	swissprot Q24266	ND
2664	141.3	NATURAL KILLER-ASSOCIATED TRANSCRIPT 2A PROTEIN.	sptrembl Q92803	ND
2665	141.3	HOMEBOX PROTEIN.	sptrembl Q9YGT0	ND
2666	141.3	Sequence A encoded by a portion of SA307.	geneseqp P60623	ND
2667	141.3	SIMILAR TO C. ELEGANS PROTEIN D1044.3.	sptrembl Q20462	ND
2668	141.2	MOVEMENT PROTEIN.	sptrembl Q9YJR6	ND
2669	141.2	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46598	ND
2670	141.2	HYPOTHETICAL 69.2 KD PROTEIN IN HSP30-PMP1 INTERGENIC REGION.	swissprot P25351	ND
2671	141.2	GENOME, PARTIAL SEQUENCE.	sptrembl Q98440	ND
2672	141.2	RIBOSOME-INACTIVATING PROTEIN LUFFIN-B (RRNA N-GLYCOSIDASE) (EC 3.2.2.22).	swissprot P22851	ND
2673	141.1	AGP6 PROTEIN.	sptrembl Q9XFR4	ND
2674	141.1	INSULIN-LIKE PEPTIDE INSL5.	sptrembl Q9WUG6	ND
2675	141.1	T09F5.2 PROTEIN.	sptrembl O62373	ND
2676	141.0	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P24152	ND
2677	141.0	ANTI-DEATH PROTEIN.	sptrembl O75353	ND
2678	141.0	MITC.	sptrembl Q9WVY1	ND
2679	141.0	109AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9Y9G9	ND
2680	141.0	RECOMBINATION-ACTIVATING PROTEIN 1.	sptrembl Q9W699	ND
2681	141.0	ANTIVIRAL PROTEIN SKI2.	swissprot P35207	ND
2682	141.0	NUCLEAR	swissprot P32505	ND

		POLYADENYLATED RNA-BINDING PROTEIN NAB2.		
2683	141.0	HEMAGGLUTININ (FRAGMENT).	tremblnew AAD51242	ND
2684	140.9	FOOT PROTEIN 1 PRECURSOR (FRAGMENT).	sptrembl O61477	ND
2685	140.9	YCZB PROTEIN.	sptrembl O31467	ND
2686	140.9	SARCOPHAGA PRO-CATHEPSIN B PRECURSOR.	sptrembl Q26655	ND
2687	140.9	F6E13.10 PROTEIN.	sptrembl O80567	ND
2688	140.9	T01C3.1 PROTEIN.	sptrembl Q22059	ND
2689	140.8	ERPROT 213-21.	sptrembl O00302	ND
2690	140.8	BAV3 ORF5 product.	geneseqp R75760	ND
2691	140.8	PUTATIVE RAS-RELATED PROTEIN F43D9.2.	swissprot Q20365	ND
2692	140.8	SP85 (FRAGMENT).	sptrembl O61134	ND
2693	140.7	Macadamia integrifolia antimicrobial protein.	geneseqp W62829	ND
2694	140.7	ANTIGENIC PROTEIN PFEMP2 (FRAGMENT).	sptrembl Q06165	ND
2695	140.7	N-MYC PROTO-ONCOGENE PROTEIN.	swissprot P26014	ND
2696	140.7	Human secreted protein #80.	geneseqp Y36208	ND
2697	140.7	HYPOTHETICAL 46.3 KD PROTEIN.	sptrembl Q9X039	ND
2698	140.6	HYPOTHETICAL 32.1 KD PROTEIN.	sptrembl O79459	ND
2699	140.5	F3I6.13 PROTEIN.	sptrembl O48687	ND
2700	140.5	KAPPA CASEIN PRECURSOR.	sptrembl Q9XSD6	ND
2701	140.5	WINGLESS (FRAGMENT).	sptrembl O46291	ND
2702	140.5	MEROZOITE SURFACE PROTEIN-1 (FRAGMENT).	sptrembl O00877	ND
2703	140.5	KIAA1290 PROTEIN (FRAGMENT).	tremblnew BAA86604	ND
2704	140.5	MAJOR CENTROMERE AUTOANTIGEN B (CENTROMERE PROTEIN B) (CENP-B).	swissprot P48988	ND
2705	140.5	TONB PROTEIN.	swissprot Q05613	ND
2706	140.5	GLUE PROTEIN.	sptrembl Q27423	ND
2707	140.4	HYPOTHETICAL 14.6 KD PROTEIN.	tremblnew CAB57548	ND
2708	140.4	PROTAMINE P1.	sptrembl O18749	ND
2709	140.4	HYPOTHETICAL 18.3 KD PROTEIN.	tremblnew AAF09839	ND
2710	140.4	TRANSPOSON TOL2.	sptrembl Q98969	ND
2711	140.4	VPR PROTEIN.	tremblnew AAF07319	ND
2712	140.4	Intestinal mucin deduced from clone SMUC 41.	geneseqp R07671	ND
2713	140.4	Murine BMP-15 related protein PC-3.	geneseqp W11260	ND
2714	140.3	BZIP TRANSCRIPTION FACTOR.	sptrembl Q24525	ND
2715	140.3	D1086.6 PROTEIN.	sptrembl O17729	ND

2716	140.3	HYPOTHETICAL 30.3 KD PROTEIN.	sptrembl O85856	ND
2717	140.3	FIMP.	sptrembl Q46525	ND
2718	140.3	HMG-Y RELATED PROTEIN B (SB16B PROTEIN) (FRAGMENT).	swissprot Q10370	ND
2719	140.3	NEUTROPHIL PROTEIN (FRAGMENT).	sptrembl Q99331	ND
2720	140.3	PUTATIVE GLYOXYLATE PATHWAY REGULATOR C5D6.09C.	sptrembl O14201	ND
2721	140.3	HYPOTHETICAL 19.1 KD PROTEIN IN PDII-GLK1 INTERGENIC REGION.	swissprot P25571	ND
2722	140.2	HOMEBOX PROTEIN (FRAGMENT).	sptrembl O97671	ND
2723	140.2	TATA BINDING PROTEIN (FRAGMENT).	tremblnew BAA21084	ND
2724	140.2	NUCLEAR SEGREGATION PROTEIN BFR1.	swissprot P38934	ND
2725	140.2	SYNAPSIN IB.	sptrembl O88935	ND
2726	140.2	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN (FRAGMENT).	sptrembl Q40550	ND
2727	140.2	HYPOTHETICAL PROTEIN IN FTR 5'REGION (ORFU) (FRAGMENT).	swissprot P56510	ND
2728	140.2	PUTATIVE TRANSCRIPTIONAL REGULATORY PROTEIN.	tremblnew CAB53122	ND
2729	140.2	Bioadhesive precursor protein from cDNA 52.	geneseqp P82971	ND
2730	140.2	W09G12.6 PROTEIN.	sptrembl O45197	ND
2731	140.2	SIMILAR TO HERV-H PROTEASE AND HERV-E INTEGRASE.	sptrembl Q68997	ND
2732	140.1	MEDEA.	sptrembl O65312	ND
2733	140.1	CYTOCHROME B (FRAGMENT).	tremblnew AAD47483	ND
2734	140.1	F32D1.9 PROTEIN.	sptrembl O16293	ND
2735	140.1	PEARLI 1-LIKE PROTEIN.	tremblnew CAB41719	ND
2736	140.1	ANION EXCHANGE PROTEIN 3 (NEURONAL BAND 3-LIKE PROTEIN) (ANION EXCHANGER 3 BRAIN ISOFORM).	swissnew O18917	ND
2737	140.1	HYPOTHETICAL 55.0 KD PROTEIN.	sptrembl O94256	ND
2738	140.1	Aspergillus niger beta-fructofuranosidase.	geneseqp W23298	ND
2739	140.1	FIBRIL PROTEIN.	sptrembl O66099	ND
2740	140.0	NS3F4 (FRAGMENT).	sptrembl Q86914	ND
2741	140.0	HOMEBOX PROTEIN NK-1 (S59/2).	swissprot P22807	ND
2742	140.0	HYPOTHETICAL 47.8 KD	swissprot P38244	ND

		PROTEIN IN HSP26-TIF32 INTERGENIC REGION.		
2743	139.9	ARGINYL-TRNA SYNTHETASE (EC 6.1.1.19) (ARGININE--TRNA LIGASE) (ARGRS).	swissprot O83803	ND
2744	139.9	T01B7.8 PROTEIN.	sptrembl Q22048	ND
2745	139.9	HOMEBOX PROTEIN HOX-A3 (HOX-1E).	swissprot O43365	ND
2746	139.8	METABOTROPIC GLUTAMATE RECEPTOR (FRAGMENT).	tremblnew AAD47893	ND
2747	139.8	ECDYSONE-INDUCIBLE PROTEIN E75.	swissnew Q08893	ND
2748	139.8	HYPOTHETICAL 21.2 KD PROTEIN IN TOR2-MNN4 INTERGENIC REGION.	swissprot P36042	ND
2749	139.8	F40F12.5A PROTEIN.	tremblnew CAB54246	ND
2750	139.7	PREDICTED SECRETED PROTEIN (THROMBOSPONDIN DOMAIN).	sptrembl O96207	ND
2751	139.7	UL7 PROTEIN.	sptrembl Q9YVB6	ND
2752	139.7	Amino acid sequence of a virulence factor encoded by ORF29729.	geneseq Y29213	ND
2753	139.7	UNKNOWN PROTEIN (FRAGMENT).	sptrembl Q29175	ND
2754	139.7	SPERM HISTONE P2 PRECURSOR (PROTAMINE MP2).	swissprot P07978	ND
2755	139.7	PLATELET GLYCOPROTEIN V (FRAGMENT).	tremblnew AAF08787	ND
2756	139.7	ATP OPERON (FRAGMENT).	sptrembl Q53031	ND
2757	139.7	PEPTIDE CHAIN RELEASE FACTOR HOMOLOG (RF-H).	swissprot P28369	ND
2758	139.7	PROBABLE TRANSLATION INITIATION FACTOR IF-2.	swissprot Q10251	ND
2759	139.6	CLASS IV ZYGOTE SPECIFIC CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN (FRAGMENT).	sptrembl Q41178	ND
2760	139.6	NHOA.	sptrembl P96848	ND
2761	139.6	HYPOTHETICAL 30.8 KD PROTEIN.	tremblnew AAF09969	ND
2762	139.6	GAG.	sptrembl Q9Y1H4	ND
2763	139.6	PI021 PROTEIN.	sptrembl O13612	ND
2764	139.6	122AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YBE6	ND
2765	139.6	T13D8.9 PROTEIN.	sptrembl O80743	ND

2766	139.6	MEMBRANE PROTEIN MOSC.	swissprot Q07609	ND
2767	139.5	SIMILARITY TO TYPE 1 INOSITOL 1.	sptrembl O04649	ND
2768	139.5	COSMID ZK813.	sptrembl Q23606	ND
2769	139.5	Fragmented human NF-L gene +2 frameshift mutant product.	geneseqp W18658	ND
2770	139.5	DNA-DIRECTED RNA POLYMERASE SUBUNIT B' (EC 2.7.7.6).	swissprot P41557	ND
2771	139.5	S. lividans protease P5-6.	geneseqp R80506	ND
2772	139.5	IGG FC BINDING PROTEIN (FRAGMENT).	sptrembl O95784	ND
2773	139.4	EXTENSIN=NODULE-SPECIFIC PROLINE-RICH PROTEIN {CLONE VFNDSE}.	tremblnew G425682	ND
2774	139.4	C01B7.3 PROTEIN.	sptrembl Q17546	ND
2775	139.4	PRECOAT PROTEIN.	sptrembl Q9WPG4	ND
2776	139.3	DELTA-AMINOLEVULINIC ACID DEHYDRATASE (EC 4.2.1.24) (PORPHOBILINOGEN SYNTHASE) (ALADH).	swissnew P05373	ND
2777	139.3	Mammalian ion channel proline rich motif containing peptide #19.	geneseqp Y41625	ND
2778	139.3	CYSTEINE PROTEASE.	tremblnew CAB59816	ND
2779	139.3	UL26 protease deletion mutant DD, amino acids 219-635 deleted.	geneseqp R28645	ND
2780	139.3	Chlamydial major outer membrane protein (MOMP) H fragment.	geneseqp W95280	ND
2781	139.3	L4830.11 PROTEIN.	sptrembl O97215	ND
2782	139.3	CAGO.	sptrembl P94828	ND
2783	139.3	LECTIN=CHITIN-BINDING PROTEIN.	tremblnew G688080	ND
2784	139.2	PUTATIVE PHOSPHATE/PHOSPHOENOLPYRUVATE TRANSLOCATOR.	tremblnew AAD55791	ND
2785	139.2	PUTATIVE GLYCOPROTEIN.	sptrembl O36424	ND
2786	139.2	Carbonic anhydrase as deduced from DNA carried on pCCA20.	geneseqp P81228	ND
2787	139.2	Plasmid pASK75 open reading frame (c) translation.	geneseqp R88636	ND
2788	139.2	HYPOTHETICAL 16.6 KD PROTEIN.	sptrembl O67910	ND
2789	139.2	RABPHILIN-3A RELATED PROTEIN.	sptrembl O54880	ND
2790	139.2	HYPOTHETICAL 48.0 KD PROTEIN.	sptrembl Q50175	ND

2791	139.2	HYPOTHETICAL 7.2 KD PROTEIN.	sptrembl Q9X477	ND
2792	139.2	PUTATIVE U4/U6 SMALL NUCLEAR RIBONUCLEOPROTEIN.	tremblnew AAD25639	ND
2793	139.2	DEF chimeric molecule hA110-120/I-E-d-beta/FC-gamma-2a protein.	geneseqp W99773	ND
2794	139.2	SPERM PROTAMINE P1.	swissprot O18747	ND
2795	139.1	ATPASE SUBUNIT 6 (FRAGMENT).	tremblnew AAD34165	ND
2796	139.1	Human HUPF-I mutant protein fragment 33.	geneseqp Y21385	ND
2797	139.1	PROLINE-RICH PROTEIN.	sptrembl O94274	ND
2798	139.1	HYPOTHETICAL 42.7 KD PROTEIN.	tremblnew CAB58294	ND
2799	139.0	FIIA6.2 PROTEIN.	sptrembl O62149	ND
2800	139.0	HYPOTHETICAL 47.8 KD PROTEIN YOR009W.	sptrembl Q12218	ND
2801	139.0	HYPOTHETICAL 18.8 KD PROTEIN (ORF4).	swissprot P15605	ND
2802	139.0	105AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YCK7	ND
2803	139.0	PUTATIVE REGULATORY PROTEIN FMDB.	swissprot Q50229	ND
2804	139.0	HOXB-3 PRODUCT.	tremblnew G913072	ND
2805	139.0	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
2806	139.0	DETHIOBIOTIN SYNTHETASE (EC 6.3.3.3) (DETHIOBIOTIN SYNTHASE) (DTB SYNTHETASE) (DTBS).	swissprot P45486	ND
2807	139.0	PUTATIVE 2,3-BISPHOSPHOGLYCERATE-INDEPENDENT PHOSPHOGLYCERATE MUTASE (EC 5.4.2.1) (PHOSPHOGLYCEROMUTASE) (BPG-INDEPENDENT PGAM).	swissprot Q06464	ND
2808	138.9	SPID PRECURSOR (FRAGMENT).	sptrembl Q23804	ND
2809	138.9	SIMILAR TO HUMAN MRNA FOR ALPHA 1.	sptrembl Q9XJ18	ND
2810	138.9	OPA REPEAT (FRAGMENT).	sptrembl Q62006	ND
2811	138.9	NADH DEHYDROGENASE SUBUNIT 3.	tremblnew BAA84934	ND
2812	138.9	PMS2 RELATED PROTEIN HPMSR6.	sptrembl Q13670	ND
2813	138.9	Human 5' EST secreted protein SEQ ID NO:250.	geneseqp Y11598	ND
2814	138.9	N-ACETYLGLUCOSAMINE-	sptrembl O50225	ND

		1-PHOSPHATE URIDYLTRANSFERASE (GLMU) (FRAGMENT).		
2815	138.8	COAT PROTEIN.	sptrembl Q84827	ND
2816	138.8	PDHB.	sptrembl O06160	ND
2817	138.8	NON-STRUCTURAL 5A PROTEIN (FRAGMENT).	sptrembl Q68657	ND
2818	138.8	VEGF/CPG2 fusion protein CPV165H6.	geneseqp W38237	ND
2819	138.8	F38B7.1 PROTEIN.	sptrembl Q20155	ND
2820	138.8	Human breast tumour- associated protein 30.	geneseqp Y48569	ND
2821	138.8	LIM PROTEIN PIN-2.	swissprot Q19157	ND
2822	138.8	AT2G28660 PROTEIN.	tremblnew AAD24369	ND
2823	138.8	CYSTEINE-RICH OUTER MEMBRANE PROTEIN 3 PRECURSOR.	swissprot P27606	ND
2824	138.8	TRANSITION PROTEIN 2.	sptrembl O77645	ND
2825	138.8	K08F4.2 PROTEIN.	sptrembl Q21351	ND
2826	138.7	138AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YF84	ND
2827	138.7	SPERMATID-SPECIFIC PROTEIN S1.	swissprot P13275	ND
2828	138.7	MHC CELL SURFACE GLYCOPROTEIN (FRAGMENT).	sptrembl Q31250	ND
2829	138.7	HYPOTHETICAL 14.6 KD PROTEIN.	sptrembl Q54774	ND
2830	138.7	U1-SNRNP BINDING PROTEIN HOMOLOG.	sptrembl Q16560	ND
2831	138.7	HYPOTHETICAL 29.1 KD PROTEIN.	sptrembl Q50506	ND
2832	138.6	TAT PROTEIN.	sptrembl O93199	ND
2833	138.6	Human acid sphingomyelinase mutant fsP330.	geneseqp W35283	ND
2834	138.6	K03D3.4 PROTEIN.	sptrembl O45642	ND
2835	138.6	GEP PROTEIN.	tremblnew BAA85464	ND
2836	138.6	HYPOTHETICAL 6.6 KD PROTEIN.	sptrembl P74795	ND
2837	138.5	ALTERNATIVE OXIDASE.	sptrembl O48519	ND
2838	138.5	K01A2.2 PROTEIN.	tremblnew AAC69504	ND
2839	138.5	HOMOLOGUE OF RETROVIRAL PSEUDOPROTEASE.	sptrembl Q85302	ND
2840	138.5	ORF YOR053W.	sptrembl Q08428	ND
2841	138.5	CYTOCHROME BC SUBUNIT IV PETD.	sptrembl Q9ZGF9	ND
2842	138.5	GERANYLGERANYL PYROPHOSPHATE SYNTHASE-RELATED PROTEIN PRECURSOR.	sptrembl Q39108	ND
2843	138.5	SEED STORAGE PROTEIN 31 aa, chain A	pdb 1PNB	ND

2844	138.4	Immunodominant fragment of flagellar pocket antigen of T. brucei.	geneseqp R85174	ND
2845	138.4	RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (EC 1.17.4.1) (RIBONUCLEOTIDE REDUCTASE M2 SUBUNIT).	swissprot O46310	ND
2846	138.4	ALGINATE LYASE PRECURSOR (EC 4.2.2.3) (POLY(BETA-D-MANNURONATE) LYASE) (POLY(MANA) ALGINATE LYASE).	swissprot Q59478	ND
2847	138.4	Protein encoded by ORF A of the EcoRI-EcoRI fragment of ILTV.	geneseqp W71199	ND
2848	138.4	HYPOTHETICAL BHLF1 PROTEIN.	swissprot P03181	ND
2849	138.4	140-KD SECRETORY PROTEIN (SP140) (FRAGMENT).	sptrembl Q23802	ND
2850	138.4	Human 5' EST secreted protein SEQ ID No: 502.	geneseqp Y11902	ND
2851	138.3	TOPOISOMERASE.	sptrembl Q9Z5W4	ND
2852	138.3	KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN).	swissprot P26372	ND
2853	138.3	GLUE PROTEIN.	sptrembl Q27423	ND
2854	138.3	T11J7.8 PROTEIN.	sptrembl O49334	ND
2855	138.3	HYPOTHETICAL 31.4 KD PROTEIN B0285.2 IN CHROMOSOME III.	swissprot P46552	ND
2856	138.3	MEMBRANE ASSOCIATED PROTEIN.	sptrembl O89260	ND
2857	138.3	PUTATIVE ALCOHOL DEHYDROGENASE.	tremblnew AAF04851	ND
2858	138.3	KILLER CELL LECTIN-LIKE RECEPTOR 7 (T-CELL SURFACE GLYCOPROTEIN LY-49G) (LY49-G ANTIGEN).	swissnew Q60654	ND
2859	138.3	RNA-BINDING PROTEIN 5 (FRAGMENT).	sptrembl Q26275	ND
2860	138.3	B. burgdorferi antigenic protein, t940.aa.	geneseqp Y19811	ND
2861	138.2	Peptide resembling an SH3 domain binding peptide SEQ ID NO:366.	geneseqp W38969	ND
2862	138.2	ALPHA/BETA-GLIADIN CLONE PW8142 PRECURSOR (PROLAMIN).	swissprot P04727	ND
2863	138.2	MITOTIC MAD2 PROTEIN.	swissprot P40958	ND
2864	138.2	KIAA0339.	sptrembl O15047	ND
2865	138.2	CAPSID PROTEIN (CP).	sptrembl Q9WIJ8	ND

2866	138.2	MYB-LIKE DNA-BINDING DOMAIN PROTEIN.	sptrembl O49019	ND
2867	138.2	HYPOTHETICAL 71.1 KD PROTEIN.	sptrembl O65642	ND
2868	138.2	RNPH PROTEIN (FRAGMENT).	tremblnew CAB60663	ND
2869	138.1	284R.	sptrembl O71105	ND
2870	138.1	F14F9.2 PROTEIN.	sptrembl O17062	ND
2871	138.1	D4B DOPAMINE RECEPTOR.	sptrembl O42322	ND
2872	138.1	T31E10.8 PROTEIN.	sptrembl O64689	ND
2873	138.1	GC-B.	geneseqp R38863	ND
2874	138.1	WW DOMAIN BINDING PROTEIN 11.	sptrembl O88539	ND
2875	138.1	Intestinal mucin deduced from clone SMUC 41.	geneseqp R07671	ND
2876	138.0	PUTATIVE KINESIN MOTOR PROTEIN (FRAGMENT).	tremblnew BAA87207	ND
2877	138.0	HYPOTHETICAL 26.5 KD PROTEIN.	sptrembl O49443	ND
2878	138.0	RORGAMMA T.	tremblnew AAD46913	ND
2879	138.0	PROBABLE THIOREDOXIN.	swissprot Q09433	ND
2880	138.0	HYPOTHETICAL 43.0 KD PROTEIN.	tremblnew CAB57416	ND
2881	138.0	Human neurofilament-H mutant protein fragment 2.	geneseqp Y20843	ND
2882	138.0	TACHYLECTIN-3 PRECURSOR.	sptrembl O97404	ND
2883	138.0	UBIQUITIN-CONJUGATING ENZYME E2 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	sptrembl Q9Y2D3	ND
2884	138.0	LUTROPIN BETA CHAIN (LUTEINIZING HORMONE) (LSH-B) (LH-B).	swissprot P25330	ND
2885	137.9	SERINE 1 ULTRA HIGH SULFUR PROTEIN.	sptrembl Q64507	ND
2886	137.9	GLYCOPROTEIN B (FRAGMENT).	tremblnew AAD46114	ND
2887	137.9	ISLET-BRAIN 1.	tremblnew AAD20443	ND
2888	137.9	ORNITHINE DECARBOXYLASE ANTIZYME 2 (ODC-AZ 2) (AZ2).	swissnew O95190	ND
2889	137.9	HOMEBOX PROTEIN HOX-D3.	swissprot O93353	ND
2890	137.9	ORF2 5' OF EPOR.	sptrembl Q64239	ND
2891	137.9	AKIN GAMMA.	tremblnew CAB64718	ND
2892	137.9	Human secreted protein encoded by gene No. 80.	geneseqp Y27646	ND
2893	137.8	CHITINASE II PRECURSOR	sptrembl Q59145	ND

		(EC 3.2.1.14).		
2894	137.8	117AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YD41	ND
2895	137.8	T27A16.25 PROTEIN.	sptrembl O82390	ND
2896	137.8	LIM HOMEODOMAIN TRANSCRIPTION FACTOR.	sptrembl O96686	ND
2897	137.8	BINDIN PRECURSOR (FRAGMENT).	tremblnew AAF07137	ND
2898	137.8	Putative calcium channel encoded by clone SCCL-B.	geneseqp R34550	ND
2899	137.8	HEMOMUCIN.	sptrembl Q24160	ND
2900	137.8	73AA LONG HYPOTHETICAL 30S RIBOSOMAL PROTEIN S27.	sptrembl Q9YF01	ND
2901	137.8	HYPOTHETICAL 16.4 KD PROTEIN (FRAGMENT).	sptrembl O18970	ND
2902	137.7	FEMALE-SPECIFIC TRANSFORMER PROTEIN.	swissprot Q23949	ND
2903	137.7	ZINC FINGER PROTEIN 80 (ZNFPT17).	swissprot P51504	ND
2904	137.7	CYSTEINE-RICH PROTEIN (FRAGMENT).	sptrembl Q16861	ND
2905	137.7	EGF motif containing protein.	geneseqp Y18109	ND
2906	137.7	TRANSCRIPTION FACTOR ATF-A AND ATF-A-DELTA.	swissnew P17544	ND
2907	137.7	HYPOTHETICAL 26.6 KD PROTEIN C17A2.10C IN CHROMOSOME I.	sptrembl O13760	ND
2908	137.7	Human DIP protein C-terminal sequence.	geneseqp Y18027	ND
2909	137.7	ENDOCHITINASE ISOLOG.	sptrembl O24654	ND
2910	137.6	GLUE PROTEIN.	sptrembl Q27423	ND
2911	137.6	ACETYLCHOLINE RECEPTOR PROTEIN, ALPHA-1A CHAIN PRECURSOR.	swissprot P22456	ND
2912	137.6	POTENTIAL PROTEASOME ACTIVATOR HPA28 SUBUNIT BETA (FRAGMENT).	sptrembl Q95292	ND
2913	137.6	Human CD2:IgG2a constant region fusion protein.	geneseqp W35861	ND
2914	137.5	HYPOTHETICAL LYSINE- RICH PROTEIN.	tremblnew CAB52566	ND
2915	137.5	NUCLEAR TRANSITION PROTEIN 2 (TP-2).	swissprot Q05952	ND
2916	137.5	PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN).	swissprot P98174	ND
2917	137.5	NADH DEHYDROGENASE SUBUNIT F (FRAGMENT).	tremblnew AAF08186	ND
2918	137.5	BRANCHED-CHAIN AMINO ACID ABC TRANSPORTER,	sptrembl O28878	ND

		PERMEASE PROTEIN (BRAE-4).		
2919	137.5	118AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9Y951	ND
2920	137.4	PUTATIVE CHITIN SYNTHASE (EC 2.4.1.16).	sptrembl Q9Y7H9	ND
2921	137.4	ARABINO GALACTAN-PROTEIN.	sptrembl Q9ZT16	ND
2922	137.4	HYPOTHETICAL 32.5 KD PROTEIN F52C9.6 IN CHROMOSOME III.	swissprot Q10126	ND
2923	137.3	PUTATIVE TRANSMEMBRANE EFFLUX PROTEIN (FRAGMENT).	tremblnew CAB60461	ND
2924	137.3	Gp IIb/IIIa receptor ligand used in scintigraphic imaging of thrombi.	geneseqp R69293	ND
2925	137.3	HYPOTHETICAL 41.0 KD PROTEIN C1F8.06 IN CHROMOSOME I.	swissprot Q92344	ND
2926	137.3	VITAMIN D RECEPTOR-INTERACTING PROTEIN.	sptrembl Q9Y652	ND
2927	137.3	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew AAF10237	ND
2928	137.3	CYTOCHROME B.	swissprot Q37713	ND
2929	137.2	Mycobacterium tuberculosis specific DNA-encoded polypeptide.	geneseqp Y31745	ND
2930	137.2	GCD14 PROTEIN.	swissprot P46959	ND
2931	137.2	UBIQUITIN ACTIVATING ENZYME.	sptrembl O82692	ND
2932	137.2	PROTEASE VII PRECURSOR (EC 3.4.21.87) (OMPTIN) (OUTER MEMBRANE PROTEIN 3B) (PROTEASE A).	swissprot P09169	ND
2933	137.2	ENVELOPE GLYCOPROTEIN (FRAGMENT).	sptrembl Q70525	ND
2934	137.1	EBA-175 (FRAGMENT).	tremblnew AAB52719	ND
2935	137.1	FLOCCULIN (FRAGMENT).	sptrembl P87107	ND
2936	137.1	CYTIDINE DEAMINASE 8.	sptrembl Q9XHQ8	ND
2937	137.1	N-terminal fragment of secretory leukocyte protease inhibitor.	geneseqp R84055	ND
2938	137.1	PUTATIVE RING ZINC FINGER PROTEIN.	tremblnew AAD24830	ND
2939	137.1	AMELOGENIN, CLASS I PRECURSOR.	swissprot P02817	ND

Table 2. *Aspergillus niger* ESTs

Sequence	zscore	Annotation	Database	Functional
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Listing				Category
3771	4033.3	GLUCOAMYLASE G1 AND G2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P04064	ND
3772	1863.3	Glycosyltransferase.	geneseqp R42995	ND
3773	1724.7	Porphobilinogen synthase.	geneseqp W41499	Coenzyme metabolism
3774	1648.5	Aspergillus awamori glucoamylase mutant N20C, A27C, S30P, G137A.	geneseqp W55977	ND
3775	1543.7	ALPHA-AMYLASE A PRECURSOR (EC 3.2.1.1) (TAKA-AMYLASE A) (TAA) (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE).	swissprot P10529	ND
3776	1534.2	ACID ALPHA-AMYLASE (EC 3.2.1.1) (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE).	swissprot P56271	ND
3777	1364.8	PUTATIVE THIAZOLE SYNTHASE.	tremblnew AAF25444	ND
3778	1339.2	A. oryzae DEBY932 locus protein sequence.	geneseqp Y39873	Carbohydrate transport and metabolism
3779	1321.0	CYTOCHROME C OXIDASE SUBUNIT V.	sptrembl O93980	ND
3780	1285.2	ADP-RIBOSYLATION FACTOR.	swissprot P34727	ND
3781	1250.9	POLYUBIQUITIN.	sptrembl O74274	ND
3782	1220.9	C-4 METHYL STEROL OXIDASE (EC 1.-.-.-).	swissprot O59933	ND
3783	1218.0	Sphingomonas capsulata aminopeptidase I.	geneseqp W89587	ND
3784	1203.0	Aspergillus awamori glucoamylase mutant N20C, A27C.	geneseqp W55976	ND
3785	1195.2	Aspergillus niger glucoamylase enzyme.	geneseqp Y23338	ND
3786	1156.2	Plasmid pASK75 open reading frame (b) translation.	geneseqp R88635	ND
3787	1150.6	60S RIBOSOMAL PROTEIN L7-C.	swissprot O60143	Translation, ribosomal structure and biogenesis
3788	1150.4	60S RIBOSOMAL PROTEIN L10.	tremblnew CAA22664	Translation, ribosomal structure and biogenesis
3789	1149.4	Truncated A. niger glucoamylase G1 protein sequence.	geneseqp Y18090	ND
3790	1145.5	An enzyme with sugar transferase activity.	geneseqp W88044	ND

3791	1144.1	ACID-STABLE ALPHA-AMYLASE.	sptrembl O13296	ND
3792	1140.9	PUTATIVE THIAZOLE SYNTHASE.	tremblnew AAF25444	ND
3793	1138.7	RIBOSOMAL PROTEIN S28.	tremblnew CAB56815	Translation, ribosomal structure and biogenesis
3794	1135.4	40S RIBOSOMAL PROTEIN S5 (S2) (YS8) (RP14).	swissprot P26783	Translation, ribosomal structure and biogenesis
3795	1133.4	UBI1.	tremblnew AAF24230	ND
3796	1122.5	ALPHA-AMYLASE A PRECURSOR (EC 3.2.1.1) (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE A).	swissprot Q02905	ND
3797	1108.7	SERYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.11) (SERINE--TRNA LIGASE) (SERRS).	swissprot O14018	Translation, ribosomal structure and biogenesis
3798	1106.3	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (EC 1.2.1.12) (GAPDH).	swissprot Q12552	Carbohydrate transport and metabolism
3799	1072.2	Aspergillus awamori glucoamylase mutant N20C, A27C.	geneseqp W55976	ND
3800	1060.9	Aspergillus awamori glucoamylase mutant N20C, A27C.	geneseqp W55976	ND
3801	1053.5	RASP F 9 (FRAGMENT).	sptrembl O42800	Carbohydrate transport and metabolism
3802	1036.4	FRUCTOSE-BISPHOSPHATE ALDOLASE (EC 4.1.2.13).	swissprot P53444	Carbohydrate transport and metabolism
3803	1034.1	TRANSPOSASE.	sptrembl O00050	ND
3804	1026.3	40S RIBOSOMAL PROTEIN S15 (S12).	swissprot P34737	Translation, ribosomal structure and biogenesis
3805	1022.0	60S RIBOSOMAL PROTEIN L2 (YL6) (L5) (RP8).	swissprot P05736	Translation, ribosomal structure and biogenesis
3806	1014.6	ADENOSINE-5'PHOSPHOSULFATE KINASE (EC 2.7.1.25) (ADENYLYLSULFATE KINASE) (APS KINASE).	sptrembl Q12657	Inorganic ion transport and metabolism
3807	1009.1	CYCLOPHILIN-LIKE PEPTIDYL PROLYL CIS-TRANS ISOMERASE (EC 5.2.1.8).	sptrembl O94184	Posttranslational modification, protein turnover, chaperones

3808	1001.9	HISTONE H2A.	sptrembl O13413	ND
3809	993.9	ARP2/3 COMPLEX 20 KD SUBUNIT (P20-ARC).	swissprot O15509	ND
3810	964.0	UBIQUITIN.	sptrembl Q9Y736	ND
3811	963.2	60S RIBOSOMAL PROTEIN L8 (L7A) (L4).	swissprot O13672	Translation, ribosomal structure and biogenesis
3812	955.7	UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT, MITOCHONDRIAL PRECURSOR (EC 1.10.2.2) (RIESKE IRON-SULFUR PROTEIN) (RISP).	swissprot P07056	Energy production and conversion
3813	952.3	ENOLASE (EC 4.2.1.11) (2-PHOSPHOGLYCERATE DEHYDRATASE) (2-PHOSPHO-D- GLYCERATE HYDRO-LYASE).	swissprot Q12560	Carbohydrate transport and metabolism
3814	950.5	RIBOSOMAL PROTEIN L13A.	tremblnew AAD54383	Translation, ribosomal structure and biogenesis
3815	935.8	Aspergillus awamori glucoamylase mutant N20C, A27C.	geneseqp W55976	ND
3816	933.7	PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) (EC 5.3.4.1).	swissnew Q12730	ND
3817	930.5	60S RIBOSOMAL PROTEIN L23.	swissprot Q07760	Translation, ribosomal structure and biogenesis
3818	928.4	Aspergillus awamori glucoamylase mutant N20C, A27C, S411A.	geneseqp W55980	ND
3819	926.5	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P23704	Energy production and conversion
3820	912.5	40S RIBOSOMAL PROTEIN S4 (S7) (YS6) (RP5).	swissprot P05753	Translation, ribosomal structure and biogenesis
3821	909.6	HYPOTHETICAL 32.5 KD PROTEIN YLR351C.	swissprot P49954	ND
3822	907.3	60S ACIDIC RIBOSOMAL PROTEIN P0 (L10E).	swissprot P05317	Translation, ribosomal structure and biogenesis
3823	897.7	40S RIBOSOMAL PROTEIN S17 (CRP3).	swissprot P27770	Translation, ribosomal structure and biogenesis
3824	897.5	Aspergillus awamori glucoamylase mutant S411A.	geneseqp W55979	ND

3825	884.9	5-METHYLTETRAHYDROPTEROYLTRIGLUTAMATE--HOMOCYSTEINEMETHYLTRANSFERASE(EC 2.1.1.14).	tremblnew CAB57427	Amino acid transport and metabolism
3826	880.2	Aspergillus awamori glucoamylase mutant N20C, A27C.	geneseqp W55976	ND
3827	879.3	Aspergillus awamori glucoamylase mutant N20C, A27C, S30P, G137A.	geneseqp W55977	ND
3828	877.7	60S RIBOSOMAL PROTEIN L20 (L18A).	swissprot P47913	ND
3829	869.3	MONOUBIQUITIN/CARBOXY EXTENSION PROTEIN FUSION.	sptrembl O74216	ND
3830	868.8	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (EC 1.2.1.12) (GAPDH).	swissprot Q12552	Carbohydrate transport and metabolism
3831	867.9	UBIQUITIN FUSION PROTEIN.	sptrembl Q9Y854	ND
3832	865.9	Yeast ribosomal protein S7.	geneseqp W36115	Translation, ribosomal structure and biogenesis
3833	862.0	FATTY ACID SYNTHASE, BETA SUBUNIT.	sptrembl P78616	Lipid metabolism
3834	859.7	CYTOCHROME C.	swissprot P56205	ND
3835	856.3	ADP,ATP CARRIER PROTEIN (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT).	swissprot P02723	ND
3836	856.3	60S RIBOSOMAL PROTEIN L27A (L29).	swissprot P78987	Translation, ribosomal structure and biogenesis
3837	855.9	ALPHA-AMYLASE (EC 3.2.1.1).	tremblnew AAF14264	ND
3838	851.3	PROBABLE PEROXISOMAL MEMBRANE PROTEIN PMP20 (ALLERGEN ASP F 3).	swissprot O43099	ND
3839	850.9	NON-FUNCTIONAL FOLATE BINDING PROTEIN.	sptrembl O14597	ND
3840	837.5	ASPARAGINYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.22) (ASPARAGINE-- TRNA LIGASE) (ASNRS).	swissprot P38707	Translation, ribosomal structure and biogenesis
3841	835.4	ATP SYNTHASE DELTA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34)	swissnew P56525	Energy production and conversion

		(FRAGMENT).		
3842	821.8	HISTONE H3.	swissprot P23753	DNA replication, recombination and repair
3843	821.7	60S RIBOSOMAL PROTEIN L18.	swissnew Q10192	Translation, ribosomal structure and biogenesis
3844	817.6	Aspergillus awamori glucoamylase mutant N20C, A27C, S30P, G137A.	geneseqp W55977	ND
3845	803.2	Ribosomal protein L41.	geneseqp R77658	Translation, ribosomal structure and biogenesis
3846	797.5	60S RIBOSOMAL PROTEIN L9-B (L8) (YL11) (RP25).	swissprot P51401	Translation, ribosomal structure and biogenesis
3847	797.2	NMT1 PROTEIN HOMOLOG.	swissprot P42882	Inorganic ion transport and metabolism
3848	797.1	Truncated A. niger glucoamylase G1 protein sequence.	geneseqp Y18090	ND
3849	791.7	GLUCOAMYLASE.	sptrembl Q02296	ND
3850	788.8	40S RIBOSOMAL PROTEIN S22 (S15A) (YS24).	swissprot P33953	Translation, ribosomal structure and biogenesis
3851	769.6	VACUOLAR ATP SYNTHASE SUBUNIT B (EC 3.6.1.34) (V-ATPASE 57 KD SUBUNIT).	swissprot P11593	Energy production and conversion
3852	760.4	NUCLEOSIDE DIPHOSPHATE KINASE.	tremblnew BAA83495	Nucleotide transport
3853	759.6	MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (EC 1.1.1.37).	swissprot P17505	Energy production and conversion
3854	759.5	40S RIBOSOMAL PROTEIN S2 (S4) (YS5) (RP12) (OMNIPOTENT SUPPRESSOR PROTEIN SUP44).	swissprot P25443	Translation, ribosomal structure and biogenesis
3855	756.4	SPERMIDINE SYNTHASE.	sptrembl Q9Y8H7	Amino acid transport and metabolism
3856	756.3	60S RIBOSOMAL PROTEIN L20 (L18A).	swissprot P47913	ND
3857	755.3	Truncated A. niger glucoamylase G1 protein sequence.	geneseqp Y18090	ND
3858	753.8	Candida albicans fungal antigen - allergen SEQ ID NO:5.	geneseqp W53251	Energy production and conversion
3859	748.8	PEPTIDYL-PROLYL	sptrembl O42735	Posttranslational

3876	642.3	HISTONE H3.	swissprot P23753	DNA replication, recombination and repair
3877	635.2	CYCLOPHILIN B (EC 5.2.1.8).	sptrembl O94190	Posttranslational modification, protein turnover, chaperones
3878	631.8	ALPHA-AMYLASE A PRECURSOR (EC 3.2.1.1) (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE A).	swissprot Q02905	ND
3879	630.4	60S RIBOSOMAL PROTEIN L3.	tremblnew AAF15600	Translation, ribosomal structure and biogenesis
3880	628.4	NUCLEOSIDE DIPHOSPHATE KINASE.	tremblnew BAA83495	Nucleotide transport
3881	627.1	D-LACTATE DEHYDROGENASE [CYTOCHROME] PRECURSOR (EC 1.1.2.4) (D-LACTATE FERRICYTOCHROME C OXIDOREDUCTASE) (D-LCR).	swissprot Q12627	Energy production and conversion
3882	626.8	HYPOTHETICAL 34.3 KD PROTEIN.	sptrembl O43015	ND
3883	626.6	40S RIBOSOMAL PROTEIN S22 (S15A) (YS24).	swissprot P33953	Translation, ribosomal structure and biogenesis
3884	625.1	HYPOTHETICAL 20.9 KD PROTEIN.	sptrembl O94286	ND
3885	620.0	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT (EC 3.6.1.34).	swissprot Q00607	Energy production and conversion
3886	619.1	PI023 PROTEIN.	sptrembl O13614	ND
3887	611.8	RS6/L7A RIBOSOMAL PROTEIN HOMOLOG.	sptrembl O74690	Translation, ribosomal structure and biogenesis
3888	611.0	RIBOSOMAL PROTEIN L32E.	sptrembl O94008	Translation, ribosomal structure and biogenesis
3889	610.2	SUR2 PROTEIN (SYRINGOMYCIN RESPONSE PROTEIN 2).	swissprot P38992	ND
3890	609.0	HYPOTHETICAL 15.9 KD PROTEIN C4A8.02C IN CHROMOSOME I.	swissprot O14155	ND
3891	608.4	PUTATIVE TRANSPORTER YIL166C.	swissprot P40445	ND
3892	605.6	PUTATIVE CTP SYNTHASE C10F6.03C (EC 6.3.4.2) (UTP-AMMONIA LIGASE	sptrembl O42644	Nucleotide transport

		C10F6.03C) (CTP SYNTHETASE C10F6.03C).		
3893	602.5	NUCLEAR TRANSPORT FACTOR 2 (NTF-2) (NUCLEAR TRANSPORT FACTOR P10).	swissprot P33331	ND
3894	601.5	PROTEIN TRANSLATION FACTOR SUI1.	swissprot P32911	Translation, ribosomal structure and biogenesis
3895	599.9	HYPOTHETICAL 12.5 KD PROTEIN.	sptrembl O74948	ND
3896	598.8	HYDROLASE 108 aa	pdb 1AC0	ND
3897	594.2	Beta-1 integrin modulator B171.	geneseqp W19771	ND
3898	591.9	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (EC 1.2.1.12) (GAPDH).	swissprot Q12552	Carbohydrate transport and metabolism
3899	589.2	60S RIBOSOMAL PROTEIN L12.	swissprot O75000	Translation, ribosomal structure and biogenesis
3900	588.0	60S RIBOSOMAL PROTEIN L30.	tremblnew CAB54828	Translation, ribosomal structure and biogenesis
3901	584.7	RIBOSOMAL PROTEIN L31.	sptrembl Q9XGL4	Translation, ribosomal structure and biogenesis
3902	579.0	NADH-UBIQUINONE OXIDOREDUCTASE 12 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-12KD) (CI-12KD).	swissprot Q03015	ND
3903	574.1	60S RIBOSOMAL PROTEIN L43 (L37A) (YL35).	swissprot P49631	Translation, ribosomal structure and biogenesis
3904	570.3	60S RIBOSOMAL PROTEIN L35.	swissprot P17078	Translation, ribosomal structure and biogenesis
3905	570.2	D-LACTATE DEHYDROGENASE [CYTOCHROME] PRECURSOR (EC 1.1.2.4) (D-LACTATE FERRICYTOCHROME C OXIDOREDUCTASE) (D-LCR).	swissprot Q12627	Energy production and conversion
3906	569.3	60S RIBOSOMAL PROTEIN L34-B.	swissprot P40525	Translation, ribosomal structure and biogenesis

3907	565.0	GATA TRANSCRIPTION FACTOR.	sptrembl O59842	ND
3908	560.4	60S RIBOSOMAL PROTEIN L43 (L37A) (YL35).	swissprot P49631	Translation, ribosomal structure and biogenesis
3909	557.9	PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (EC 2.8.3.5) (3-OXOACID COA-TRANSFERASE).	swissprot Q09450	Lipid metabolism
3910	555.7	HYPOTHETICAL 31.6 KD PROTEIN.	sptrembl O13844	ND
3911	548.3	RIBOSOMAL PROTEIN L26 (FRAGMENT).	sptrembl O82579	Translation, ribosomal structure and biogenesis
3912	546.8	40S RIBOSOMAL PROTEIN S20.	swissprot O74893	Translation, ribosomal structure and biogenesis
3913	546.1	IGE-BINDING PROTEIN (FRAGMENT).	sptrembl O74263	ND
3914	543.1	40S RIBOSOMAL PROTEIN S27.	swissprot O74330	Translation, ribosomal structure and biogenesis
3915	537.5	2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.2) (ALPHA-KETOGLUTARATE DEHYDROGENASE).	swissprot P20967	Energy production and conversion
3916	536.2	40S RIBOSOMAL PROTEIN S27.	swissprot O74330	Translation, ribosomal structure and biogenesis
3917	535.7	HYPOTHETICAL 21.4 KD PROTEIN C19A8.14 IN CHROMOSOME I.	sptrembl O13830	ND
3918	534.3	60S ACIDIC RIBOSOMAL PROTEIN P0 (L10E).	swissprot P05317	Translation, ribosomal structure and biogenesis
3919	529.2	ACYL CARRIER PROTEIN, MITOCHONDRIAL PRECURSOR (ACP) (NADH-UBIQUINONE OXIDOREDUCTASE 9.6 KD SUBUNIT) (EC 1.6.5.3) (EC 1.6.99.3).	swissprot P11943	ND
3920	527.2	PROBABLE GYP7 PROTEIN (FRAGMENT).	swissprot P09379	ND
3921	523.2	ATP SYNTHASE GAMMA	sptrembl O74754	Energy

		CHAIN, MITOCHONDRIAL PRECURSOR.		production and conversion
3922	522.6	S-ADENOSYLMETHIONINE DECARBOXYLASE (EC 4.1.1.50) (FRAGMENT).	sptrembl Q9Y8A3	ND
3923	519.9	An enzyme with sugar transferase activity.	geneseqp W88044	ND
3924	511.6	ACETOLACTATE SYNTHASE SMALL SUBUNIT PRECURSOR (EC 4.1.3.18) (AHAS) (ACETOHYDROXY-ACID SYNTHASE SMALL SUBUNIT) (ALS).	swissnew P25605	Amino acid transport and metabolism
3925	511.2	NADH-UBIQUINONE OXIDOREDUCTASE 21.3 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3).	swissprot P25710	ND
3926	511.0	THIOREDOXIN.	swissprot P29429	ND
3927	509.0	Protein encoded by multiple drug resistance gene atrD.	geneseqp Y02630	ND
3928	505.7	HYDROLASE 108 aa	pdb 1KUM	ND
3929	503.5	HYPOTHETICAL 52.3 KD PROTEIN.	tremblnew CAB58401	ND
3930	502.5	RIBOSOMAL PROTEIN L26 (FRAGMENT).	sptrembl O82579	Translation, ribosomal structure and biogenesis
3931	499.0	UBIQUINOL- CYTOCHROME C REDUCTASE COMPLEX SUBUNIT.	sptrembl O74533	ND
3932	498.8	A. fumigatus allergen rAsp f8 sequence.	geneseqp W61478	Translation, ribosomal structure and biogenesis
3933	490.7	VACUOLAR ATP SYNTHASE SUBUNIT G (EC 3.6.1.34) (V-ATPASE 13 KD SUBUNIT) (VACUOLAR H(+)-ATPASE SUBUNIT G).	swissprot P78713	ND
3934	488.3	UBIQUINOL- CYTOCHROME C REDUCTASE COMPLEX SUBUNIT.	sptrembl O74533	ND
3935	488.1	ACTIN-RELATED PROTEIN.	sptrembl O94805	Cell division and chromosome partitioning
3936	487.5	VACUOLAR ATP SYNTHASE SUBUNIT G (EC 3.6.1.34) (V-ATPASE 13 KD SUBUNIT) (VACUOLAR H(+)-ATPASE SUBUNIT G).	swissprot P78713	ND
3937	480.0	HYPOTHETICAL 11.8 KD PROTEIN C1B3.02C IN CHROMOSOME I.	swissprot O13868	ND
3938	479.8	CYANATE LYASE (EC	swissnew Q59948	Inorganic ion

		4.3.99.1) (CYANATE HYDROLASE) (CYANASE).		transport and metabolism
3939	479.0	40S RIBOSOMAL PROTEIN S21 (S26) (YS25).	swissprot P05760	ND
3940	475.9	HYPOTHETICAL 11.5 KD PROTEIN IN HTB2-NTH2 INTERGENIC REGION.	swissprot P35195	ND
3941	473.8	HYPOTHETICAL 23.4 KD PROTEIN.	sptrembl Q03201	Translation, ribosomal structure and biogenesis
3942	466.6	ACTIN, MUSCLE (LPM) (FRAGMENT).	swissprot Q25381	Cell division and chromosome partitioning
3943	465.8	N. crassa mtr gene product.	geneseqp R79909	ND
3944	462.4	PUTATIVE TRANSCRIPTIONAL REGULATOR.	sptrembl O13337	ND
3945	460.7	A. oryzae DEBY1058 locus protein sequence.	geneseqp Y39874	ND
3946	460.3	PROBABLE ADENOSINE DEAMINASE (EC 3.5.4.4) (ADENOSINE AMINOHYDROLASE).	swissprot P53909	Nucleotide transport
3947	459.8	RIBOSOMAL PROTEIN S28.	tremblnew CAB56815	Translation, ribosomal structure and biogenesis
3948	459.5	PYRUVATE DEHYDROGENASE E1 COMPONENT BETA SUBUNIT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.1) (PDHE1-B).	swissprot P32473	Energy production and conversion
3949	458.2	HYPOTHETICAL 37.4 KD PROTEIN IN SEC27-RPL1B INTERGENIC REGION.	swissprot P53123	Cell division and chromosome partitioning
3950	457.8	LIPASE 4 PRECURSOR (EC 3.1.1.3).	swissprot P32948	ND
3951	454.0	SEC65 PROTEIN.	tremblnew CAB55335	Cell motility and secretion
3952	453.8	TRP-ASP REPEAT CONTAINING PROTEIN.	sptrembl O74855	ND
3953	451.6	PUTATIVE GOLGI URIDINE DIPHOSPHATE-N-ACETYLGLUCOSAMINE TRANSPORTER.	sptrembl O74750	ND
3954	449.2	PROBABLE INOSINE-5'-MONOPHOSPHATE DEHYDROGENASE (EC 1.1.1.205) (IMP DEHYDROGENASE) (IMPDH) (IMPD).	swissprot O00086	Nucleotide transport
3955	448.6	HYDROLASE 108 aa	pdb 1KUM	ND
3956	448.2	CALMODULIN.	swissprot Q02052	ND

3957	447.3	CYTOCHROME C OXIDASE POLYPEPTIDE VIB (EC 1.9.3.1) (AED).	swissprot Q01519	ND
3958	444.9	KIAA0363 (FRAGMENT).	sptrembl O15069	ND
3959	442.8	HEAT SHOCK PROTEIN 60 PRECURSOR.	tremblnew AAB46362	ND
3960	438.9	RIBOSOMAL PROTEIN S31 HOMOLOG.	sptrembl O74172	ND
3961	436.1	RIBOSOMAL PROTEIN L14.	sptrembl O94238	Translation, ribosomal structure and biogenesis
3962	430.8	ELONGATION FACTOR 1-BETA (EF-1-BETA).	swissprot P32471	Translation, ribosomal structure and biogenesis
3963	428.5	40S RIBOSOMAL PROTEIN S29-B (S36) (YS29).	swissprot P41058	Translation, ribosomal structure and biogenesis
3964	427.7	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING PROTEIN QP-C (EC 1.10.2.2) (UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 11 KD PROTEIN) (COMPLEX III SUBUNIT VIII).	swissprot P48503	ND
3965	424.7	60S RIBOSOMAL PROTEIN L36-B (L39B) (YL39).	swissprot O14455	ND
3966	422.2	NADH-UBIQUINONE OXIDOREDUCTASE 9.5 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-9.5KD) (CI-9.5) (UBIQUINONE-BINDING PROTEIN).	swissprot P42117	ND
3967	420.2	40S RIBOSOMAL PROTEIN S29-B (S36) (YS29).	swissprot P41058	Translation, ribosomal structure and biogenesis
3968	417.1	Ubiquitin-like domain of the yeast protein SMT3.	geneseqp W87987	ND
3969	416.8	40S RIBOSOMAL PROTEIN S30.	swissprot Q12087	ND
3970	416.1	60S RIBOSOMAL PROTEIN L39 (YL36).	swissprot P05767	ND
3971	401.3	ACETOLACTATE SYNTHASE SMALL SUBUNIT PRECURSOR (EC 4.1.3.18) (AHAS) (ACETOHYDROXY-ACID SYNTHASE SMALL SUBUNIT) (ALS).	swissnew P25605	Amino acid transport and metabolism
3972	399.7	PUTATIVE PROTEIN TRANSPORT PROTEIN	swissprot Q09827	ND

		SEC61 GAMMA SUBUNIT.		
3973	398.0	Streptomyces clavuligerus protein sequence of orfdwn1.	geneseqp W69712	ND
3974	396.5	60S RIBOSOMAL PROTEIN L33-A (L37A) (YL37) (RP47).	swissprot P05744	ND
3975	394.8	MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR.	sptrembl Q9Y7R8	ND
3976	387.9	PUTATIVE GOLGI URIDINE DIPHOSPHATE-N-ACETYLGLUCOSAMINE TRANSPORTER.	sptrembl O74750	ND
3977	387.0	HEAT SHOCK PROTEIN HSP1 (65 KD IGE-BINDING PROTEIN) (FRAGMENT).	swissprot P40292	ND
3978	383.8	ELONGATION FACTOR 1-GAMMA 2 (EF-1-GAMMA 2).	swissprot P36008	ND
3979	377.0	TYROSYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.1) (TYROSYL--TRNA LIGASE) (TYRRS).	swissprot P36421	Translation, ribosomal structure and biogenesis
3980	371.9	SERINE PALMITOYLTRANSFERASE 2 (EC 2.3.1.50) (LONG CHAIN BASE BIOSYNTHESIS PROTEIN 2) (SPT 2).	swissprot Q09925	ND
3981	371.6	CCDB.	tremblnew BAA84907	ND
3982	370.7	PUTATIVE ATP SYNTHASE F CHAIN, MITOCHONDRIAL PRECURSOR.	sptrembl O94377	ND
3983	369.8	60S RIBOSOMAL PROTEIN L6, MITOCHONDRIAL PRECURSOR (YML6).	swissprot P32904	ND
3984	367.9	H. pylori GHPO 1315 protein.	geneseqp W98517	ND
3985	364.8	S. pneumoniae protein SEQ ID NO:465.	geneseqp Y11355	Translation, ribosomal structure and biogenesis
3986	364.3	60S RIBOSOMAL PROTEIN L29 (YL43).	swissprot P05747	ND
3987	353.3	SPORE-WALL FUNGAL HYDROPHOBIN DEWA PRECURSOR.	swissprot P52750	ND
3988	350.3	PUTATIVE PROGESTERONE-BINDING PROTEIN HOMOLOG.	sptrembl Q9XFM6	ND
3989	345.9	ATP SYNTHASE DELTA CHAIN FAMILY, OLIGOMYCIN SENSITIVITY CONFERRING PROTEIN.	sptrembl O74479	ND
3990	343.1	CGI-111 PROTEIN.	sptrembl	ND

			Q9Y3B5	
3991	341.4	TRANSLATIONALLY CONTROLLED TUMOR PROTEIN HOMOLOG (TCTP).	swissprot P35691	ND
3992	341.2	PUTATIVE ADENINE PHOSPHORIBOSYLTRANSFERASE.	sptrembl O42842	ND
3993	340.6	URACIL PHOSPHORIBOSYLTRANSFERASE.	sptrembl P93394	ND
3994	337.0	HYDROLASE 108 aa	pdb 1KUL	ND
3995	335.6	HYDROLASE 476 aa	pdb 7TAA	ND
3996	329.0	NADH-UBIQUINONE OXIDOREDUCTASE 29.9 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-29.9KD) (CI-29.9KD).	swissprot P24919	ND
3997	327.7	AT2G20490 PROTEIN.	tremblnew AAD25649	ND
3998	317.8	NHP2/RS6 FAMILY PROTEIN YEL026W.	swissprot P39990	ND
3999	317.5	Aspergillus niger aspartic protease PEPE.	geneseqp R75299	ND
4000	315.1	HYPOTHETICAL 24.1 KD PROTEIN IN PDR11-FAA3 INTERGENIC REGION.	swissprot P40553	ND
4001	314.9	NAD(+)-SPECIFIC GLUTAMATE DEHYDROGENASE.	sptrembl Q02222	ND
4002	311.1	40S RIBOSOMAL PROTEIN S13.	swissprot P28189	ND
4003	310.7	ATP CITRATE LYASE.	sptrembl O93988	ND
4004	310.5	CELL CYCLE PROTEIN KINASE HSK1.	sptrembl O94678	ND
4005	308.3	REPRESSOR PROTEIN.	sptrembl Q00784	ND
4006	308.3	CYTOCHROME C OXIDASE POLYPEPTIDE VIA PRECURSOR (EC 1.9.3.1).	swissprot P32799	ND
4007	307.0	Human epidermoid carcinoma cell line KB clone HP10301 protein.	geneseqp W64553	ND
4008	304.5	HISTONE H3.	swissprot P23753	ND
4009	299.8	Sulfolobus solfataricus esterase P1-8LC.	geneseqp W23077	ND
4010	299.5	DPM2-LIKE PROTEIN.	tremblnew CAB57919	ND
4011	297.1	HYPOTHETICAL 40.5 KD PROTEIN IN UBP15-GAS1 INTERGENIC REGION PRECURSOR.	swissprot Q04951	ND
4012	294.1	VIP1 PROTEIN (P53 ANTIGEN HOMOLOG).	sptrembl P87216	ND
4013	293.7	PUTATIVE RNA-BINDING PROTEIN 3 (RNPL).	swissprot P98179	ND

4014	293.6	CYTOCHROME C OXIDASE COPPER CHAPERONE.	swissprot Q12287	ND
4015	291.2	CYSTEINE-RICH PROTEIN (FRAGMENT).	sptrembl Q16861	ND
4016	290.6	C34B2.10 PROTEIN.	sptrembl O44953	ND
4017	290.6	CLONING VECTOR PZERO- 2T.	sptrembl O53022	ND
4018	290.3	40S RIBOSOMAL PROTEIN S19 (S16).	swissprot P27073	ND
4019	288.9	13KDA DIFFERENTIATION- ASSOCIATED PROTEIN.	tremblnew AAF17196	ND
4020	280.8	HYPOTHETICAL 10.1 KD PROTEIN.	sptrembl O74707	ND
4021	278.1	UV-DAMAGED DNA- BINDING PROTEIN- LIKE.	sptrembl O49552	ND
4022	275.9	CHOLINE TRANSPORT PROTEIN.	swissprot P19807	ND
4023	274.0	QUEUINE TRNA- RIBOSYLTRANSFERASE.	sptrembl O94460	ND
4024	272.4	NADH-UBIQUINONE OXIDOREDUCTASE 13 KD- A SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-13KD-A) (CI- 13KD-A).	swissprot P23934	ND
4025	268.2	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y786	ND
4026	267.1	PROBABLE EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5).	swissprot Q09689	ND
4027	267.0	HYPOTHETICAL 18.5 KD PROTEIN IN NDC1-TSA1 INTERGENIC REGION.	swissprot Q03713	ND
4028	261.4	TRANSCRIPTION INITIATION FACTOR TFIID (TATA-BOX FACTOR) (TATA SEQUENCE- BINDING PROTEIN) (TBP).	swissprot Q12731	ND
4029	257.1	GLYCERALDEHYDE 3- PHOSPHATE DEHYDROGENASE (EC 1.2.1.12) (GAPDH).	swissprot Q12552	ND
4030	255.6	VIPI PROTEIN (P53 ANTIGEN HOMOLOG).	sptrembl P87216	ND
4031	255.2	HISTONE H2B.	sptrembl Q12606	ND
4032	251.3	CYTOCHROME P450 97B2 (EC 1.14.-.-).	swissprot O48921	ND
4033	251.0	RIBOSOMAL PROTEIN S5 (FRAGMENT).	tremblnew BAA25815	ND
4034	249.6	ISOVALERYL DEHYDROGENASE.	tremblnew AAF20182	ND
4035	245.2	URACIL-DNA GLYCOSYLASE.	tremblnew AAD51974	ND
4036	244.8	ISOCITRATE DEHYDROGENASE [NADP], MITOCHONDRIAL	swissprot P79089	ND

		PRECURSOR (EC 1.1.1.42) (OXALOSUCCINATE DECARBOXYLASE) (IDH) (NADP+-SPECIFIC ICDH) (IDP).		
4037	243.2	SPINDLE ASSEMBLY CHECKPOINT PROTEIN SLDA.	sptrembl O59901	ND
4038	243.0	FISSION YEAST (FRAGMENT).	sptrembl P78767	ND
4039	242.1	HYPOTHETICAL 29.3 KD PROTEIN (ORF92).	swissprot O10341	ND
4040	241.8	HEMOLYSIN.	sptrembl Q00050	ND
4041	241.5	PUTATIVE PROTEIN TRANSPORT PROTEIN SEC61 GAMMA SUBUNIT.	swissprot Q09827	ND
4042	237.4	ASCORBATE PEROXIDASE.	sptrembl Q39780	ND
4043	235.2	R07B7.5 PROTEIN.	sptrembl Q21795	ND
4044	233.2	MITOCHONDRIAL THIOREDOXIN PRECURSOR (MT-TRX).	swissprot Q95108	ND
4045	232.3	C-1-TETRAHYDROFOLATE SYNTHASE, CYTOPLASMIC (C1-THF SYNTHASE) [INCLUDES: METHYLENETETRAHYDRO FOLATE DEHYDROGENASE (EC 1.5.1.5); METHENYLTETRAHYDRO FOLATE CYCLOHYDROLASE (EC 3.5.4.9); FORMYLTETRAHYDROFOL ATE SYNTHETASE (EC 6.3.4.3)].	swissprot P07245	ND
4046	232.0	GLUTATHIONE PEROXIDASE (EC 1.11.1.9).	swissnew O59858	ND
4047	228.2	SIMILAR TO SDH4P.	sptrembl Q06236	ND
4048	226.2	CHROMOSOME IV READING FRAME ORF YDL193W.	sptrembl Q12063	ND
4049	225.8	HYPOTHETICAL 8.6 KD PROTEIN.	sptrembl Q03482	ND
4050	225.7	ATPASE INHIBITOR, MITOCHONDRIAL.	swissprot P09940	ND
4051	223.9	DPM2 mannosyl transferase.	geneseqp R47201	ND
4052	223.7	POSSIBLE COPPER TRANSPORT PROTEIN CTR2 (COPPER TRANSPORTER 2).	swissprot P38865	ND
4053	223.6	ORF2 of Enod2b genomic clone.	geneseqp R04119	ND
4054	222.4	SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAGMENT).	swissprot P10162	ND
4055	221.7	DNA REPAIR PROTEIN	swissprot P28519	ND

		RAD14.		
4056	221.5	RIBOSOMAL PROTEIN L41.	tremblnew CAB52162	ND
4057	217.8	NIFU-LIKE PROTEIN.	sptrembl O49627	ND
4058	217.1	PUTATIVE TRANSCRIPTIONAL REGULATOR.	sptrembl Q9X7Q2	ND
4059	216.4	ATP SYNTHASE DELTA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34) (FRAGMENT).	swissnew P56525	ND
4060	214.0	CELL WALL-PLASMA MEMBRANE LINKER PROTEIN HOMOLOG.	tremblnew AAD11796	ND
4061	212.3	PROHIBITIN.	sptrembl O04331	ND
4062	210.7	RIBOSOMAL PROTEIN L33-LIKE PROTEIN.	sptrembl O75394	ND
4063	209.1	EXTENSIN (FRAGMENT).	sptrembl O49870	ND
4064	207.2	GLUE PROTEIN.	sptrembl Q27423	ND
4065	206.8	RIBOSOMAL PROTEIN S31 HOMOLOG.	sptrembl O74172	ND
4066	204.8	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
4067	204.5	GLYCOPROTEIN GP150.	tremblnew AAF19315	ND
4068	204.0	NON-FUNCTIONAL FOLATE BINDING PROTEIN.	sptrembl O14597	ND
4069	202.5	GLUE PROTEIN.	sptrembl Q27423	ND
4070	202.3	HAVCR-1 PROTEIN PRECURSOR.	sptrembl Q95144	ND
4071	201.6	ACIDIC RIBOSOMAL PROTEIN.	sptrembl O96938	ND
4072	201.6	PHEROPHORIN-S PRECURSOR.	sptrembl P93797	ND
4073	201.3	F23N19.12.	tremblnew AAF19547	ND
4074	200.7	BINDING PROTEIN 113 aa	pdb 1YAT	ND
4075	198.7	HYPOTHETICAL PROTEIN C30B4.01C IN CHROMOSOME II (FRAGMENT).	sptrembl P87179	ND
4076	197.6	F32D1.2 PROTEIN.	sptrembl O16298	ND
4077	194.3	EXTENSIN PRECURSOR.	sptrembl Q40768	ND
4078	192.7	DELTA-6 FATTY ACID DESATURASE.	sptrembl Q9Z122	ND
4079	192.6	COSMID C37C3.	sptrembl Q22919	ND
4080	192.5	Sequence A encoded by a portion of SA307.	geneseqp P60623	ND
4081	192.4	ATP SYNTHASE E CHAIN, MITOCHONDRIAL (EC 3.6.1.34).	swissprot P81449	ND
4082	192.3	RIBOSOMAL PROTEIN S31 HOMOLOG.	sptrembl O74172	ND

4083	192.2	SMALL PROLINE-RICH PROTEIN 1A.	tremblnew AAD10126	ND
4084	191.5	ORF YDL133W.	sptrembl Q12516	ND
4085	188.0	ENOLASE (EC 4.2.1.11) (2-PHOSPHOGLYCERATE DEHYDRATASE) (2-PHOSPHO-D- GLYCERATE HYDRO-LYASE).	swissprot Q12560	ND
4086	187.8	60S RIBOSOMAL PROTEIN L44 (L41).	swissprot P31866	ND
4087	185.6	TROPOMYOSIN 1.	swissprot P17536	ND
4088	185.3	HYPOTHETICAL 15.4 KD PROTEIN YPR056C.	sptrembl Q12160	ND
4089	184.3	M. tuberculosis recombinant antigen protein TbH-30.	geneseqp Y39014	ND
4090	183.1	ALPHA-INTERFERON INDUCIBLE PROTEIN (FRAGMENT).	tremblnew AAF23490	ND
4091	182.4	Mutant Aspergillus oryzae DEBY932 rescued locus.	geneseqp W37992	ND
4092	182.2	CYSTEINE-RICH EXTENSIN-LIKE PROTEIN 2.	sptrembl Q08195	ND
4093	181.9	HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT).	swissprot P21260	ND
4094	181.8	UBI1.	tremblnew AAF24230	ND
4095	181.5	Silk like protein (SLP)C-SLPF.	geneseqp R95140	ND
4096	181.5	PUTATIVE MITOSIS AND MAINTENANCE OF PLOIDY PROTEIN.	sptrembl O94360	ND
4097	181.4	NAPRP3.	sptrembl Q41192	ND
4098	181.0	YSY6 PROTEIN.	swissprot P38374	ND
4099	179.6	METALLOTHIONEIN-LIKE PROTEIN CAP5.	swissprot Q00369	ND
4100	178.5	Streptococcus pneumoniae PspA central region.	geneseqp W14574	ND
4101	177.8	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29071	ND
4102	177.6	PUTATIVE GLYCOSYLTRANSFERASE.	tremblnew CAB60235	ND
4103	177.4	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
4104	175.1	HISTIDINE-RICH GLYCOPROTEIN PRECURSOR.	swissprot P04929	ND
4105	175.0	YPT1-RELATED PROTEIN 5.	swissprot P36586	ND
4106	175.0	SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185).	swissprot P21997	ND
4107	174.4	T. gondii immunogenic protein.	geneseqp Y29039	ND
4108	172.3	HYPOTHETICAL 11.3 KD	swissprot P47131	ND

		PROTEIN IN MIR1-STE18 INTERGENIC REGION.		
4109	171.8	F56H9.1 PROTEIN.	sptrembl Q20908	ND
4110	171.4	HEMOLYSIN-LIKE PROTEIN.	sptrembl O32337	ND
4111	171.3	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P24152	ND
4112	170.4	CELL WALL PROTEIN PRECURSOR.	sptrembl Q39005	ND
4113	170.1	GOLGIN-95.	swissprot Q08379	ND
4114	169.8	BACTENECIN 7 PRECURSOR (BAC7) (PR- 59).	swissprot P19661	ND
4115	169.8	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) (FRAGMENT).	swissprot P40603	ND
4116	169.8	HYPOTHETICAL 17.1 KD PROTEIN IN PUR5 3'REGION.	swissprot P38898	ND
4117	169.6	EXTENSIN (PROLINE-RICH GLYCOPROTEIN) (CLONE W6) (FRAGMENT).	sptrembl Q01945	ND
4118	169.5	F23N19.12.	tremblnew AAF19547	ND
4119	169.2	MYOCYTE-SPECIFIC ENHANCER FACTOR 2D.	swissnew Q63943	ND
4120	168.8	FISSION YEAST (FRAGMENT).	sptrembl P78755	ND
4121	168.4	NUCLEAR PROTEIN (FRAGMENT).	sptrembl Q95294	ND
4122	168.3	MYOCYTE-SPECIFIC ENHANCER FACTOR 2D.	swissnew Q63943	ND
4123	167.8	Cyanovirin-N protein sequence.	geneseq Y39909	ND
4124	166.8	DVE PROTEIN.	sptrembl O77289	ND
4125	166.2	KERATIN, ULTRA HIGH- SULFUR MATRIX PROTEIN (UHS KERATIN).	swissprot P26372	ND
4126	165.5	50KD PROLINE RICH PROTEIN.	sptrembl Q9ZBP2	ND
4127	165.1	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
4128	164.8	EARLY NODULIN 20 PRECURSOR (N-20).	swissprot P93329	ND
4129	164.7	60S RIBOSOMAL PROTEIN L23A.	swissprot O22644	ND
4130	163.2	PUTATIVE MEMBRANE PROTEIN.	tremblnew CAB52863	ND
4131	161.6	MITOCHONDRIAL CAPSULE SELENOPROTEIN.	sptrembl O70613	ND
4132	161.4	STRUCTURAL WALL PROTEIN PRECURSOR.	sptrembl Q07373	ND
4133	161.0	POLYSACCHARIDE	pdb 1ACZ	ND

		MEMBRANE PROTEIN 1 (FRAGMENT).		
4159	152.5	137AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YDR3	ND
4160	152.3	IG ALPHA CHAIN C REGION.	swissprot P01878	ND
4161	152.1	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
4162	151.9	G-protein coupled human thromboxane A2 receptor.	geneseqp W02688	ND
4163	151.8	HYPOTHETICAL 82.1 KD PROTEIN.	sptrembl O64621	ND
4164	151.7	HYPOTHETICAL 13.1 KD PROTEIN.	sptrembl Q9XFU9	ND
4165	150.9	40S RIBOSOMAL PROTEIN S15A (S24).	swissprot P50891	ND
4166	150.8	L1332.3A PROTEIN.	tremblnew CAB63874	ND
4167	150.5	DYNAMIN IIIBB ISOFORM.	tremblnew AAF07848	ND
4168	149.1	OUTER MEMBRANE PROTEIN.	tremblnew AAF08549	ND
4169	149.0	ZEIN-BETA PRECURSOR (ZEIN 2) (16 KD) (ZEIN ZC1).	swissprot P08031	ND
4170	149.0	Thermus thermophilus heat resistance MutM protein.	geneseqp Y29572	ND
4171	149.0	HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION.	swissprot P41479	ND
4172	148.9	DNA-BINDING PROTEIN K10.	swissnew P13468	ND
4173	148.5	METALLOTHIONEIN (FRAGMENT).	sptrembl O76957	ND
4174	148.2	HYPOTHETICAL 54.7 KD PROTEIN IN COII INTRON 2 REGION.	sptrembl Q02696	ND
4175	148.1	ASKI TRANSCRIPTION FACTOR (FRAGMENT).	sptrembl Q90230	ND
4176	148.1	STEROID HORMONE RECEPTOR FAMILY MEMBER NHR-22.	swissprot Q09587	ND
4177	147.7	HISTIDINE-RICH PROTEIN (FRAGMENT).	sptrembl Q26056	ND
4178	147.7	CHROMOSOME IV READING FRAME ORF YDL196W.	sptrembl Q12187	ND
4179	147.6	T06A4.2 PROTEIN.	tremblnew AAC67472	ND
4180	147.6	CORTICOLIBERIN PRECURSOR (CORTICOTROPIN-RELEASING FACTOR) (CRF).	swissprot P06296	ND
4181	147.5	HYPOTHETICAL 141.5 KD PROTEIN IN YPT53-RHO2 INTERGENIC REGION.	swissprot P53935	ND

4182	147.4	LOW MOLECULAR WEIGHT GLUTENIN (FRAGMENT).	sptrembl Q41551	ND
4183	147.4	INTEGRIN BETA 5 SUBUNIT (FRAGMENT).	sptrembl Q64657	ND
4184	147.0	ANTIGEN RECEPTOR (FRAGMENT).	sptrembl Q9YHR0	ND
4185	146.8	P.furiosus pyroglutamyl peptidase fragment.	geneseqp R89125	ND
4186	146.8	SFT2 PROTEIN.	swissprot P38166	ND
4187	146.7	TDP-6-DEOXY-4-KETOHEXOSE 2,3-DEHYDRATASE.	tremblnew AAF18990	ND
4188	146.6	SALIVARY PROLINE-RICH PROTEIN RP15 PRECURSOR.	sptrembl Q04154	ND
4189	146.1	SPlicing FACTOR U2AF 38 KD SUBUNIT (U2 AUXILIARY FACTOR 38 KD SUBUNIT) (U2 SNRNP AUXILIARY FACTOR SMALL SUBUNIT).	swissprot Q94535	ND
4190	146.0	PAX TRANSCRIPTION ACTIVATION DOMAIN INTERACTING PROTEIN PTIP.	sptrembl Q9Z0W6	ND
4191	145.5	COLLAGEN ALPHA 5(IV) CHAIN (FRAGMENT).	swissprot Q28247	ND
4192	145.0	40S RIBOSOMAL PROTEIN S8 (FRAGMENT).	sptrembl O93915	ND
4193	145.0	CDC37 PROTEIN.	sptrembl O94740	ND
4194	144.8	HYPOTHETICAL 36.0 KD PROTEIN.	tremblnew CAB62810	ND
4195	144.6	CELL DIVISION PROTEIN FTSK.	swissprot P46889	ND
4196	144.0	HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION.	swissprot P53214	ND
4197	143.9	ZK899.1 PROTEIN.	sptrembl Q23659	ND
4198	143.8	GTP CYCLOHYDROLASE II (EC 3.5.4.25).	swissnew P44571	ND
4199	143.7	R09E10.2 PROTEIN (EC 3.1.3.48).	sptrembl Q21877	ND
4200	143.6	HYPOTHETICAL 33.1 KD PROTEIN.	tremblnew AAF10810	ND
4201	143.4	W03G1.5 PROTEIN.	tremblnew AAD14753	ND
4202	143.2	Human thoracic aorta G-protein coupled receptor.	geneseqp W02727	ND
4203	142.9	T09E11.2 PROTEIN.	sptrembl O02305	ND
4204	142.9	D2062.3 PROTEIN.	sptrembl O16599	ND
4205	142.4	ATTACHMENT GLYCOPROTEIN (FRAGMENT).	sptrembl Q9YNF2	ND
4206	142.0	COSMID C03G6.	sptrembl O01454	ND
4207	142.0	HYPOTHETICAL 48.4 KD	swissnew Q10849	ND

		PROTEIN RV2008C.		
4208	142.0	HYPOTHETICAL 31.4 KD PROTEIN.	sptrembl O51346	ND
4209	141.8	DNA-BINDING RESPONSE REGULATOR.	tremblnew AAF11967	ND
4210	141.8	ZK1025.5 PROTEIN.	tremblnew CAA18363	ND
4211	141.7	686AA LONG HYPOTHETICAL DNA TOPOISOMERASE I.	sptrembl O58356	ND
4212	141.7	HYPOTHETICAL NUCLEAR PROTEIN (FRAGMENT).	tremblnew BAA87224	ND
4213	141.6	MYELOBLAST KIAA0244 (FRAGMENT).	sptrembl Q92576	ND
4214	141.5	220AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YFG0	ND
4215	141.4	HYPOTHETICAL 34.8 KD PROTEINF YDL037C.	sptrembl Q12140	ND
4216	141.3	HUNCHBACK PROTEIN (HB) (FRAGMENTS).	sptrembl O46254	ND
4217	141.2	F57B1.7 PROTEIN.	sptrembl Q20920	ND
4218	141.1	DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN GLYCOSYLTRANSFERASE ALPHA SUBUNIT PRECURSOR (EC 2.4.1.119) (OLIGOSACCHARYL TRANSFERASE ALPHA SUBUNIT) (OLIGOSACCHARYL TRANSFERASE 64 KD SUBUNIT).	swissprot P41543	ND
4219	141.0	H. influenzae Hap protein autotransporter membrane integration region.	geneseqp W27705	ND
4220	140.9	BETA-GLUCOSYL-HMC-ALPHA-GLUCOSYL-TRANSFERASE (EC 2.4.1.-).	swissprot Q06717	ND
4221	140.9	T-lymphocyte stimulatory protein.	geneseqp R84086	ND
4222	140.9	DJ465N24.2.1 (PUTATIVE NOVEL PROTEIN) (ISOFORM 1).	sptrembl O95927	ND
4223	140.8	120AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YF04	ND
4224	140.6	PROLIN RICH PROTEIN.	sptrembl Q41848	ND
4225	140.2	ORF 4.	sptrembl O32454	ND
4226	140.1	Y116A8C.17 PROTEIN.	tremblnew CAB55123	ND
4227	140.0	LOX18 HOMEODOMAIN PROTEIN (FRAGMENT).	tremblnew AAD54933	ND
4228	139.9	ORF6=14K.	sptrembl Q65006	ND
4229	139.8	Mycobacterium species protein sequence 47B.	geneseqp Y04983	ND
4230	139.8	GUANYL-SPECIFIC	tremblnew	ND

		RIBONUCLEASE SA.	AAF10029	
4231	139.6	T-lymphocyte stimulatory protein.	geneseqp R84086	ND
4232	139.5	CODED FOR BY C. ELEGANS CDNA YK79A3.5.	sptrembl O02076	ND
4233	139.4	152AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YE05	ND
4234	139.4	AMINO-ACID ACETYLTRANSFERASE (EC 2.3.1.1) (N-ACETYLGLUTAMATE SYNTHASE) (AGS).	swissprot P32042	ND
4235	139.2	64AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YAL3	ND
4236	139.1	Filistata peptide 10, a Ca-blocking polypeptide from spider venom.	geneseqp R40035	ND
4237	139.1	AUXIN INDUCED PROLINE RICH PROTEIN.	sptrembl O24072	ND
4238	138.6	OVARIAN TUMOR LOCUS PROTEIN.	swissprot P10383	ND
4239	138.6	5T4 ONCOFETAL ANTIGEN HOMOLOG.	tremblnew AAF21770	ND
4240	138.5	(MSA-2) (FRAGMENT).	sptrembl Q25947	ND
4241	138.5	SMALL NUCLEAR RIBONUCLEOPROTEIN B.	tremblnew AAD54488	ND
4242	138.3	TRANSPOSABLE ELEMENT MU1 SEQUENCE.	sptrembl Q41863	ND
4243	138.3	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN (FRAGMENT).	sptrembl Q40549	ND
4244	138.3	Extracellular region of metastasis-specific CD44 surface protein	geneseqp R14769	ND
4245	138.1	PHYTOENE SYNTHASE.	sptrembl O04007	ND
4246	137.8	B0238.12 PROTEIN.	sptrembl O16488	ND
4247	137.7	NADH DEHYDROGENASE, SUBUNIT 9 (EC 1.6.5.3).	sptrembl O21271	ND
4248	137.7	F10G19.2 PROTEIN.	sptrembl O23120	ND
4249	137.2	PAIRED-BOX TRANSCRIPTION FACTOR PROTEIN (FRAGMENT).	sptrembl O13081	ND
4250	137.2	Human adult retina secreted protein bk112_15.	geneseqp W95345	ND

Table 3. *Aspergillus oryzae* ESTs

Sequence Listing	zscore	Annotation	Database	Functional Category
4376	999.7	PUTATIVE GLUCOSYLTRANSFERASE C17C9.07 (EC 2.4.1.-).	swissprot Q10479	ND
4377	997.5	HEAT SHOCK PROTEIN HSP88.	sptrembl O74225	Posttranslational modification, protein turnover, chaperones

4378	996.4	40S RIBOSOMAL PROTEIN S8.	swissprot O14049	Translation, ribosomal structure and biogenesis
4379	995.7	SERINE/THREONINE-PROTEIN KINASE IRE1 PRECURSOR (EC 2.7.1.-).	swissprot P32361	Signal transduction mechanisms
4380	993.4	DIMETHYL-ALLYL-TRYPTPHAN-SYNTHASE.	sptrembl O94204	ND
4381	992.6	PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.	swissprot P78979	Cell motility and secretion
4382	992.1	PROTEASOME COMPONENT PRE6 (EC 3.4.99.46) (MACROPAIN SUBUNIT PRE6) (PROTEINASE YSCE SUBUNIT PRE6) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PRE6).	swissprot P40303	Posttranslational modification, protein turnover, chaperones
4383	990.1	MITOCHONDRIAL PHOSPHATE CARRIER PROTEIN (PHOSPHATE TRANSPORT PROTEIN) (PTP) (MITOCHONDRIAL IMPORT RECEPTOR) (P32).	swissprot P23641	ND
4384	989.3	SLA2P.	sptrembl O94097	ND
4385	988.3	ADP-RIBOSYLATION FACTOR-LIKE PROTEIN 1.	swissprot P38116	ND
4386	987.3	PUTATIVE FIZZY-RELATED PROTEIN.	sptrembl O82740	ND
4387	985.5	2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.2) (ALPHA-KETOGLUTARATE DEHYDROGENASE).	swissprot P20967	Energy production and conversion
4388	985.2	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT (EC 3.6.1.34).	swissprot P31413	Energy production and conversion
4389	985.1	WD REPEAT PROTEIN, HUMAN U5 SNRNP-SPECIFIC-LIKE.	sptrembl O94620	ND
4390	984.0	HISTONE H2B.	swissprot P23754	ND
4391	983.8	DOLICHYL-PHOSPHATE-MANNOSE--PROTEIN MANNOSYLTRANSFERASE 4 (EC 2.4.1.109).	swissprot P46971	Posttranslational modification, protein turnover, chaperones
4392	983.3	PUTATIVE CA-CALMODULIN-DEPENDENT SERINE-THREONINE-PROTEIN KINASE.	sptrembl O94547	Signal transduction mechanisms
4393	983.0	HYPOTHETICAL 102.5 KD PROTEIN IN KRE1-HXT14	swissprot P42839	Inorganic ion transport and

		INTERGENIC REGION.		metabolism
4394	981.2	RHO1 PROTEIN.	swissprot Q09914	ND
4395	980.2	Aspergillus nidulans essential protein AN80.	geneseq Y06416	ND
4396	978.2	NADPH CYTOCHROME P450 OXIDOREDUCTASE.	sptrembl Q00141	Inorganic ion transport and metabolism
4397	977.8	RASP F 4 (FRAGMENT).	sptrembl O60024	ND
4398	977.4	SYMBIOSIS-RELATED PROTEIN.	swissprot P87068	ND
4399	976.6	40S RIBOSOMAL PROTEIN S19 (S16).	swissprot P27073	Translation, ribosomal structure and biogenesis
4400	976.1	GABA-SPECIFIC PERMEASE (GABA-SPECIFIC TRANSPORT PROTEIN).	swissprot P32837	Amino acid transport and metabolism
4401	972.7	A. oryzae P4-8.1 locus protein sequence.	geneseq Y39875	Posttranslational modification, protein turnover, chaperones
4402	972.7	ATP CITRATE LYASE.	sptrembl O93988	ND
4403	970.8	Protein kinase (Hhp1+).	geneseq R56520	Signal transduction mechanisms
4404	967.7	NUCLEOLAR PROTEIN INVOLVED IN PRE-RRNA PROCESSING.	sptrembl O94514	Translation, ribosomal structure and biogenesis
4405	964.2	3-KETOACYL-COA THIOLASE, PEROXISOMAL PRECURSOR (EC 2.3.1.16) (BETA- KETOTHIOLASE) (ACETYL-COA ACYLTRANSFERASE) (PEROXISOMAL 3-OXOACYL- COA THIOLASE).	swissprot Q05493	Lipid metabolism
4406	963.8	40S RIBOSOMAL PROTEIN S14 (CRP2).	swissprot P19115	Translation, ribosomal structure and biogenesis
4407	963.8	DNA POLYMERASE ALPHA CATALYTIC SUBUNIT (EC 2.7.7.7) (DNA POLYMERASE I).	swissprot P28040	DNA replication, recombination and repair
4408	963.4	DOLICHOL-PHOSPHATE MANNOSYLTRANSFERASE (EC 2.4.1.83) (DOLICHOL-PHOSPHATE MANNOSE SYNTHASE) (DOLICHYL-PHOSPHATE BETA-D-MANNOSYLTRANSFERASE).	sptrembl O14466	Cell envelope biogenesis, outer membrane
4409	962.9	PROBABLE MANNOSYL-OLIGOSACCHARIDE	swissprot O14255	ND

		GLUCOSIDASE (EC 3.2.1.106) (PROCESSING A-GLUCOSIDASE I).		
4410	962.1	HYPOTHETICAL 41.0 KD PROTEIN IN YIP1-CBP4 INTERGENIC REGION.	swissprot P53295	ND
4411	961.1	PUTATIVE ASPARTATE AMINOTRANSFERASE, CYTOPLASMIC (EC 2.6.1.1) (TRANSAMINASE A).	sptrembl O42652	Amino acid transport and metabolism
4412	961.0	40S RIBOSOMAL PROTEIN S2.	swissprot O74892	Translation, ribosomal structure and biogenesis
4413	960.7	40S RIBOSOMAL PROTEIN S17 (CRP3).	swissprot P27770	Translation, ribosomal structure and biogenesis
4414	960.5	CHROMOSOME XV READING FRAME ORF YOR197W.	sptrembl Q08601	ND
4415	960.4	2-ISOPROPYLMALATE SYNTHASE.	sptrembl O59736	Amino acid transport and metabolism
4416	960.2	TRYPTOPHANYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.2) (TRYPTOPHAN-- TRNA LIGASE) (TRPRS).	swissprot Q12109	Translation, ribosomal structure and biogenesis
4417	960.0	PHOSPHORYLASE 263 aa	pdb 3PNP	Nucleotide transport
4418	959.5	ISOCITRATE DEHYDROGENASE [NADP], MITOCHONDRIAL PRECURSOR (EC 1.1.1.42) (OXALOSUCCINATE DECARBOXYLASE) (IDH) (NADP+-SPECIFIC ICDH) (IDP).	swissprot P79089	Energy production and conversion
4419	958.6	RAN/SPII BINDING PROTEIN.	sptrembl Q09717	ND
4420	958.2	SYNAPTOBREVIN.	sptrembl O13312	ND
4421	957.3	MULTICATALYTIC PROTEINASE 222 aa, chain M+1	pdb 1RYP	Posttranslational modification, protein turnover, chaperones
4422	956.8	HYPOTHETICAL 53.0 KD PROTEIN C22E12.17C IN CHROMOSOME I.	swissprot Q10367	ND
4423	956.1	PUTATIVE ABC TRANSPORTER.	sptrembl Q9Y840	ND
4424	953.0	TRANSLATION RELEASE FACTOR ERF3.	sptrembl O42787	Amino acid transport and metabolism
4425	951.3	CELL DIVISION CONTROL PROTEIN 48.	swissprot P25694	Posttranslational modification, protein turnover,

				chaperones
4426	950.0	HYPOTHETICAL 73.1 KD PROTEIN (FRAGMENT).	sptrembl O14164	ND
4427	948.6	PYRUVATE DEHYDROGENASE E1 COMPONENT ALPHA SUBUNIT, MITOCHONDRIAL PRECURSOR (EC 1.2.4.1) (PDHE1-A).	swissprot Q10489	Energy production and conversion
4428	948.1	DOLICHYL-PHOSPHATE-MANNOSE--PROTEIN MANNOSYLTRANSFERASE 2 (EC 2.4.1.109).	swissprot P31382	Posttranslational modification, protein turnover, chaperones
4429	947.3	PUTATIVE PROHIBITIN ANTIPROLIFERATIVE PROTEIN.	sptrembl O94550	Posttranslational modification, protein turnover, chaperones
4430	947.2	PUTATIVE MITOCHONDRIAL CARRIER YOR222W.	swissnew Q99297	ND
4431	947.0	CYTOCHROME C PEROXIDASE PRECURSOR (EC 1.11.1.5) (CCP).	swissprot P00431	Inorganic ion transport and metabolism
4432	945.8	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P23704	Energy production and conversion
4433	942.1	TYROSYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.1) (TYROSYL--TRNA LIGASE) (TYRRS).	swissprot P36421	Translation, ribosomal structure and biogenesis
4434	941.2	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX CORE PROTEIN 2 PRECURSOR (EC 1.10.2.2).	swissprot O60044	ND
4435	937.8	ASPARTATE AMINOTRANSFERASE, MITOCHONDRIAL PRECURSOR (EC 2.6.1.1) (TRANSAMINASE A) (GLUTAMATE OXALOACETATE TRANSAMINASE-2).	swissprot P12344	Amino acid transport and metabolism
4436	936.9	Zea mays eIF-4E protein #4.	geneseqp Y29948	ND
4437	936.5	CELL PATTERN FORMATION-ASSOCIATED PROTEIN.	swissprot P36011	ND
4438	934.7	GLYCOLIPID ANCHORED SURFACE PROTEIN PRECURSOR (GLYCOPROTEIN GP115).	swissprot P22146	ND
4439	934.3	HYPOTHETICAL 79.2 KD PROTEIN.	sptrembl Q04585	Energy production and conversion
4440	934.2	DTDP-GLUCOSE 4-6-	tremblnew	Carbohydrate

		DEHYDRATASES-LIKE PROTEIN.	CAB62035	transport and metabolism
4441	933.8	40S RIBOSOMAL PROTEIN S11 (S18) (YS12) (RP41).	swissprot P26781	Translation, ribosomal structure and biogenesis
4442	933.2	GLYCOGEN SYNTHASE.	sptrembl O93869	Cell envelope biogenesis, outer membrane
4443	933.2	60S RIBOSOMAL PROTEIN L19.	sptrembl O42699	Translation, ribosomal structure and biogenesis
4444	931.5	MEMBRANE TRANSPORTER.	sptrembl O59700	ND
4445	931.0	40S RIBOSOMAL PROTEIN S15 (S12).	swissprot P34737	Translation, ribosomal structure and biogenesis
4446	930.5	HYPOTHETICAL 63.9 KD PROTEIN C22A12.08C IN CHROMOSOME I.	sptrembl O13899	ND
4447	928.0	RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN 1 (EC 1.17.4.1) (RIBONUCLEOTIDE REDUCTASE).	swissprot P09938	Nucleotide transport
4448	927.0	POLY(A)+ RNA TRANSPORT PROTEIN PTR3P.	sptrembl O94609	Coenzyme metabolism
4449	926.3	MAGO NASHI PROTEIN HOMOLOG.	swissprot O65806	ND
4450	925.4	01232.	sptrembl Q05663	ND
4451	925.2	HYPOTHETICAL 32.2 KD PROTEIN IN ARE2-SWP73 INTERGENIC REGION.	swissprot P53722	ND
4452	921.7	NUCLEAR PROTEIN.	tremblnew CAB41231	ND
4453	921.0	GLUTAMATE DEHYDROGENASE (EC 1.4.1.4).	tremblnew AAF00006	Amino acid transport and metabolism
4454	920.5	CHROMOSOME XV READING FRAME ORF YOR090C.	sptrembl Q12511	Signal transduction mechanisms
4455	920.3	Cladosporium herbarum allergen Clah53.	geneseqp R71891	Energy production and conversion
4456	919.5	PUTATIVE ACONITASE IN PRP21-UBP12 INTERGENIC REGION (EC 4.2.1.3).	swissprot P39533	Energy production and conversion
4457	918.8	SPLICEOSOME ASSOCIATED PROTEIN 49 (SAP 49) (SF3B53).	swissprot Q15427	ND
4458	918.7	Yeast proteasome YC1 subunit.	geneseqp R22996	Posttranslational modification, protein turnover, chaperones

4460	916.8	HYPOTHETICAL 15.5 KD PROTEIN IN MFAL2-MAD1 INTERGENIC REGION.	swissprot P53152	ND
4461	913.8	FRUCTOSE-1,6-BISPHOSPHATASE (EC 3.1.3.11) (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE).	swissprot P09201	Carbohydrate transport and metabolism
4462	911.4	HYPOTHETICAL 46.6 KD PROTEIN IN DAL80-GAP1 INTERGENIC REGION.	swissnew P36132	Posttranslational modification, protein turnover, chaperones
4463	909.6	RAN GTPASE ACTIVATING PROTEIN 1 (RNA1 PROTEIN).	swissprot P41391	ND
4464	909.4	SCO1 PROTEIN PRECURSOR.	swissprot P23833	ND
4465	907.9	PHOSPHOPROTEIN PHOSPHATASE A.	sptrembl Q23922	ND
4466	906.4	RIBOSOMAL PROTEIN SUBUNIT S18.	sptrembl O94754	Translation, ribosomal structure and biogenesis
4467	906.3	O-METHYLTRANSFERASE.	tremblnew BAA86103	ND
4468	906.1	RIBONUCLEASE T2 PRECURSOR (EC 3.1.27.1) (RNASE T2).	swissprot P10281	ND
4469	903.9	NADH-UBIQUINONE OXIDOREDUCTASE 20.8 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3).	swissprot P21976	ND
4470	903.9	PUTATIVE GTP CYCLOHYDROLASE.	tremblnew CAB65619	ND
4471	903.8	PYRUVATE KINASE (EC 2.7.1.40) (PK).	swissprot Q12669	Carbohydrate transport and metabolism
4472	903.7	PROBABLE MITOCHONDRIAL IMPORT INNER MEMBRANE TRANSLOCASE SUBUNIT TIM44 PRECURSOR.	swissprot O60084	ND
4473	901.7	60S RIBOSOMAL PROTEIN L23 (L17).	swissprot P04451	Translation, ribosomal structure and biogenesis
4474	901.6	3-METHYLCROTONYL-COA CARBOXYLASE PRECURSOR (EC 6.4.1.4).	sptrembl Q42523	ND
4475	901.5	HYPOTHETICAL 50.3 KD PROTEIN.	tremblnew CAB52038	ND
4476	900.4	14-3-3.	tremblnew BAA89421	ND
4477	900.0	HOMEODOMAIN DNA-BINDING TRANSCRIPTION FACTOR.	sptrembl O74252	ND

4478	899.9	SERINE/THREONINE PROTEIN PHOSPHATASE PP2A CATALYTIC SUBUNIT (EC 3.1.3.16).	swissprot P48580	Signal transduction mechanisms
4479	899.8	ACTIN INTERACTING PROTEIN 2.	swissprot P46681	Energy production and conversion
4480	899.4	ACTIVATOR OF HSP70 AND HSP90 CHAPERONES.	tremblnew CAB39910	ND
4481	899.2	HYPOTHETICAL 22.1 KD PROTEIN IN CCP1-MET1 INTERGENIC REGION.	swissprot P36149	ND
4482	897.8	INITIATION FACTOR 5A-1 (EIF-5A) (EIF-4D) (HYPUSINE CONTAINING PROTEIN HP1).	swissprot P19211	Translation, ribosomal structure and biogenesis
4483	897.5	HISTONE H3.	swissprot P23753	DNA replication, recombination and repair
4484	894.8	PUTATIVE ATP-DEPENDENT RNA HELICASE C17G6.14C.	sptrembl O13792	DNA replication, recombination and repair
4485	893.9	SIRTUIN TYPE 3.	sptrembl Q9Y6E8	Coenzyme metabolism
4486	892.1	PH RESPONSIVE PROTEIN 1 PRECURSOR (PH-REGULATED PROTEIN 1).	swissprot P43076	ND
4487	890.0	TRANSKETOLASE 2 (EC 2.2.1.1) (TK 2).	swissprot P33315	Carbohydrate transport and metabolism
4488	888.2	CDC37 PROTEIN.	sptrembl O94740	ND
4489	887.1	SQUALENE MONOOXYGENASE (EC 1.14.99.7) (SQUALENE EPOXIDASE) (SE).	swissprot Q92206	Coenzyme metabolism
4490	886.7	T02D1.5 PROTEIN.	sptrembl O45730	Lipid metabolism
4491	885.9	Translational initiation factor 1A (EIF1AX) gene product.	geneseqp W81509	Translation, ribosomal structure and biogenesis
4492	882.7	HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENIC REGION.	swissprot P43616	Amino acid transport and metabolism
4493	882.0	FISSION YEAST.	sptrembl P78887	Coenzyme metabolism
4494	880.6	UBIQUITIN.	sptrembl O13697	ND
4495	879.0	PROTEIN KINASE DSK1 (EC 2.7.1.-) (DIS1-SUPPRESSING PROTEIN KINASE).	swissprot P36616	Signal transduction mechanisms
4496	878.1	CGI-35 PROTEIN.	sptrembl Q9Y324	ND
4497	877.5	60S RIBOSOMAL PROTEIN L20 (L18A).	swissprot P47913	ND
4498	875.7	PDI RELATED PROTEIN A.	sptrembl O93914	ND
4499	875.0	SUCCINATE SEMIALDEHYDE	swissprot P51649	Energy production and

		DEHYDROGENASE (EC 1.2.1.24) (NAD(+)-DEPENDENT SUCCINIC SEMIALDEHYDE DEHYDROGENASE) (FRAGMENT).		conversion
4500	874.4	Glyceraldehyde-3-phosphate dehydrogenase.	geneseqp R22097	Carbohydrate transport and metabolism
4501	873.6	40S RIBOSOMAL PROTEIN S26E (CRP5) (13.6 KD RIBOSOMAL PROTEIN).	swissprot P21772	ND
4502	871.4	HYPOTHETICAL 41.9 KD PROTEIN IN HAC1-CAK1 INTERGENIC REGION.	swissprot P43567	Amino acid transport and metabolism
4503	870.9	HYPOTHETICAL 33.9 KD PROTEIN.	sptrembl P78995	Amino acid transport and metabolism
4505	868.2	HYPOTHETICAL 22.7 KD PROTEIN.	sptrembl O60073	ND
4506	867.9	PROBABLE 3-HYDROXYBUTYRYL-COA DEHYDROGENASE (EC 1.1.1.157) (BETA-HYDROXYBUTYRYL-COA DEHYDROGENASE) (BHBD).	swissprot P45856	Lipid metabolism
4507	866.9	HYPOTHETICAL 103.2 KD PROTEIN C24B11.10C IN CHROMOSOME I.	swissprot Q09897	ND
4508	865.9	ENDO ALPHA-1,4 POLYGALACTOSAMINIDASE PRECURSOR PRECURSOR.	sptrembl Q52423	ND
4509	865.9	BETA-1,3-GLUCANOSYLTRANSFERASE.	sptrembl O59909	ND
4510	865.1	60S RIBOSOMAL PROTEIN L27A (L29).	swissprot P78987	Translation, ribosomal structure and biogenesis
4511	864.4	HYPOTHETICAL 98.1 KD PROTEIN.	tremblnew CAB58402	ND
4512	862.7	PORPHOBILINOGEN DEAMINASE.	sptrembl O94048	Coenzyme metabolism
4513	862.4	RIBOSOMAL PROTEIN S16 HOMOLOG (FRAGMENT).	tremblnew BAA33368	Translation, ribosomal structure and biogenesis
4514	862.3	PROTEIN PHOSPHATASE 2C HOMOLOG 2 (EC 3.1.3.16) (PP2C-2).	swissprot Q09172	Signal transduction mechanisms
4516	861.6	HYPOTHETICAL 32.8 KD PROTEIN IN BIO3-HXT17 INTERGENIC REGION.	swissprot P53750	ND
4517	861.4	RER1 PROTEIN.	swissnew O15258	ND
4518	861.1	SERYL-TRNA SYNTHETASE,	swissprot P07284	Translation, ribosomal

		CYTOPLASMIC (EC 6.1.1.11) (SERINE--TRNA LIGASE) (SERRS).		structure and biogenesis
4519	859.4	ALANYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.7) (ALANINE--TRNA LIGASE) (ALARS).	swissprot P40825	Translation, ribosomal structure and biogenesis
4520	859.4	PROBABLE STERIGMATOCYSTIN BIOSYNTHESIS P450 MONOOXYGENASE STCS (EC 1.14.--.) (CYTOCHROME P450 59).	swissprot Q00714	ND
4521	859.0	DOLICHYL-PHOSPHATE- MANNOSE--PROTEIN MANNOSYLTRANSFERASE 4 (EC 2.4.1.109).	swissprot P46971	Posttranslational modification, protein turnover, chaperones
4522	858.4	CYCLOHEXANONE MONOOXYGENASE (EC 1.14.13.22).	swissprot P12015	Inorganic ion transport and metabolism
4524	854.6	PUTATIVE CALCIUM P- TYPE ATPASE (FRAGMENT).	tremblnew CAB65293	ND
4525	854.5	ORM1 PROTEIN.	swissprot P53224	ND
4526	852.2	RAS PROTEIN.	sptrembl P87018	ND
4527	851.5	PUTATIVE SECRETORY PATHWAY GDP DISSOCIATION INHIBITOR.	swissprot Q10305	ND
4528	850.4	GLUCOAMYLASE PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4- ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P36914	ND
4529	849.8	GATA FACTOR SREP.	swissprot Q92259	ND
4530	848.8	FRUCTOSE- BISPHOSPHATE ALDOLASE (EC 4.1.2.13).	swissprot P14540	Carbohydrate transport and metabolism
4531	848.8	PUTATIVE TRANSCRIPTIONAL REGULATOR.	sptrembl O13337	ND
4532	848.3	CYTOPLASMIC RIBOSOMAL PROTEIN S13.	tremblnew BAA88058	Translation, ribosomal structure and biogenesis
4533	848.0	PROBABLE PROTEIN KINASE.	tremblnew BAA21391	Signal transduction mechanisms
4534	847.4	HYPOTHETICAL 34.2 KD PROTEIN IN CUS1-RPL20A INTERGENIC REGION.	swissprot Q04013	ND
4535	847.0	Yeast RNA-binding protein ZPR1.	geneseqp W38455	ND
4536	845.2	HYPOTHETICAL 72.8 KD PROTEIN C4G3.09C IN CHROMOSOME III.	sptrembl P87234	ND

		MITOCHONDRIAL PRECURSOR (EC 1.2.4.1) (PDHE1-B).		
4551	831.6	CYTOCHROME C.	swissprot P56205	ND
4552	827.9	HISTIDINOL-PHOSPHATE AMINOTRANSFERASE (EC 2.6.1.9) (IMIDAZOLE ACETOL- PHOSPHATE TRANSAMINASE).	swissprot P36605	Amino acid transport and metabolism
4553	827.9	8 KDA CYTOPLASMIC DYNEIN LIGHT CHAIN.	sptrembl O94111	ND
4554	827.8	Protein involved in cephalosporin C biosynthesis.	geneseqp W14439	ND
4555	826.4	HYPOTHETICAL 74.0 KD PROTEIN IN CAJ1-HOM3 INTERGENIC REGION.	swissprot P40032	ND
4556	825.6	HYPOTHETICAL 61.8 KD PEPTIDASE IN MPR1-GCN20 INTERGENIC REGION (EC 3.4.-.-).	swissprot P43590	Amino acid transport and metabolism
4557	824.1	6- PHOSPHOFRUCTOKINASE (EC 2.7.1.11) (PHOSPHOFRUCTOKINASE) (PHOSPHOHEXOKINASE).	swissprot P78985	ND
4558	824.0	BROADLY SELECTIVE SODIUM/NUCLEOSIDE TRANSPORTER HFCNT.	tremblnew AAD52151	Nucleotide transport
4559	823.5	PUTATIVE ZINC- CONTAINING DEHYDROGENASE.	tremblnew CAB53146	ND
4560	822.3	GAL10 BIFUNCTIONAL PROTEIN [INCLUDES: UDP- GLUCOSE 4-EPIMERASE (EC 5.1.3.2) (GALACTOWALDENASE); ALDOSE 1-EPIMERASE (EC 5.1.3.3) (MUTAROTASE)].	swissprot P40801	Cell envelope biogenesis, outer membrane
4561	822.2	DPM2 mannosyl transferase.	geneseqp R47201	Posttranslational modification, protein turnover, chaperones
4562	821.6	DYNAMIN-RELATED PROTEIN DNM1.	swissprot P54861	ND
4563	819.3	SUPEROXIDE DISMUTASE [MN] PRECURSOR (EC 1.15.1.1) (FRAGMENT).	swissprot Q92450	Inorganic ion transport and metabolism
4564	816.0	Aspergillus niger tpiA gene.	geneseqp P70498	Carbohydrate transport and metabolism
4565	816.0	ENOYL-COA HYDRATASE.	sptrembl O53418	Lipid metabolism
4566	815.9	PUTATIVE MITOCHONDRIAL IMPORT INNER MEMBRANE TRANSLOCASE SUBUNIT.	tremblnew CAB53081	ND
4567	814.2	SUCCINYL-COA:3-	swissprot P55809	Lipid

		(EC 2.7.1.-).		mechanisms
4586	805.4	An enzyme with sugar transferase activity.	geneseqp W88044	ND
4587	803.7	PUTATIVE ESTERASE.	tremblnew CAB63539	Lipid metabolism
4588	803.3	MEMBRANE ATPASE.	sptrembl O74431	Inorganic ion transport and metabolism
4589	802.1	COPROPORPHYRINOGEN III OXIDASE PRECURSOR (EC 1.3.3.3) (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).	swissprot P35055	Coenzyme metabolism
4590	802.1	MRNA CLEAVAGE FACTOR I 25 KDA SUBUNIT.	sptrembl O43809	ND
4591	801.2	RETINOBLASTOMA BINDING PROTEIN.	tremblnew AAC36349	ND
4592	800.4	3-OXOACYL-[ACYL-CARRIER-PROTEIN]-SYNTHASE.	sptrembl O13355	Lipid metabolism
4593	800.4	TRICHOHECENE 3-O-ACETYLTRANSFERASE.	sptrembl O74644	ND
4594	798.1	HYPOTHETICAL 26.3 KD PROTEIN IN OYE2-GND1 INTERGENIC REGION.	swissprot P38869	ND
4595	797.2	FISSION YEAST (FRAGMENT).	sptrembl P78824	Carbohydrate transport and metabolism
4596	797.1	HYPOTHETICAL 54.2 KD PROTEIN IN ERP5-ORC6 INTERGENIC REGION.	swissprot P38821	Amino acid transport and metabolism
4597	796.8	REPRESSOR PROTEIN.	sptrembl Q00784	ND
4598	796.4	PUTATIVE ABC TRANSPORTER.	sptrembl Q9Y840	ND
4599	796.0	MALTOSE PERMEASE.	sptrembl Q9Y845	ND
4600	795.1	PUTATIVE ALANINE AMINOTRANSFERASE, MITOCHONDRIAL PRECURSOR (EC 2.6.1.2) (GLUTAMIC--PYRUVIC TRANSAMINASE) (GPT) (GLUTAMIC--ALANINE TRANSAMINASE).	swissprot P52893	Amino acid transport and metabolism
4601	793.9	PUTATIVE BETA-MANNOSYLTRANSFERASE.	tremblnew CAB16885	Cell envelope biogenesis, outer membrane
4602	793.7	Product of the ADE1 gene from Candida utilis.	geneseqp R22438	Nucleotide transport
4603	793.4	ATP SYNTHASE DELTA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34) (FRAGMENT).	swissnew P56525	Energy production and conversion
4604	792.8	PSU1.	tremblnew BAA83907	ND
4605	791.6	BETA-N-ACETYLGLUCOSAMINIDASE	sptrembl O82840	Carbohydrate transport and

		E PRECURSOR (EC 3.2.1.30).		metabolism
4606	789.3	WD-40 domain-contg. IEF SSP 9306 protein.	geneseqp R85866	ND
4607	789.2	LINOLEATE DIOL SYNTHASE PRECURSOR.	tremblnew AAD49559	ND
4608	788.8	ALCOHOL DEHYDROGENASE.	tremblnew CAA21782	ND
4609	788.5	METAL RESISTANCE PROTEIN YCF1 (YEAST CADMIUM FACTOR 1).	swissprot P39109	ND
4610	787.7	RS6/L7A RIBOSOMAL PROTEIN HOMOLOG.	tremblnew CAB63790	Translation, ribosomal structure and biogenesis
4611	785.6	PUTATIVE 20KDA SUBUNIT OF THE V-ATPASE.	sptrembl P87252	ND
4612	785.3	ACYL-COA DEHYDROGENASE, SHORT/BRANCHED CHAIN SPECIFIC PRECURSOR (EC 1.3.99.-) (SBCAD) (2-METHYL BRANCHED CHAIN ACYL-COA DEHYDROGENASE) (2-MEBCAD).	swissprot P45954	Lipid metabolism
4613	783.6	ADRENOLEUKODYSTROPHY PROTEIN (ALDP).	swissprot P33897	Lipid metabolism
4614	782.2	4-AMINOBUTYRATE AMINOTRANSFERASE (EC 2.6.1.19) (GAMMA-AMINO-N-BUTYRATE TRANSAMINASE) (GABA TRANSAMINASE) (GABA AMINOTRANSFERASE).	swissprot P14010	Amino acid transport and metabolism
4615	777.3	HISTONE H4.2.	swissprot P23751	DNA replication, recombination and repair
4616	776.8	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB39853	ND
4617	775.9	BLI-3 PROTEIN.	swissprot Q01358	ND
4618	775.0	N-ACETYLGLUCOSAMINE-PHOSPHATE MUTASE.	tremblnew AAD55097	Carbohydrate transport and metabolism
4619	771.8	OPSIN-1.	tremblnew AAD45253	ND
4620	768.2	PUTATIVE ADENOSINE KINASE.	tremblnew CAA19345	Carbohydrate transport and metabolism
4621	768.1	METHIONINE AMINOPEPTIDASE.	sptrembl O60085	Translation, ribosomal structure and biogenesis
4622	768.1	IMPORTIN BETA SUBUNIT.	sptrembl O74476	ND
4623	767.9	PROBABLE ELECTRON TRANSFER FLAVOPROTEIN	swissprot P78790	Energy production and

		ALPHA-SUBUNIT PRECURSOR (ALPHA-ETF).		conversion
4624	767.4	CHROMOSOME XV READING FRAME ORF YOR091W.	sptrembl Q12000	ND
4625	766.0	60S RIBOSOMAL PROTEIN L17-B (YL17-B).	swissprot P46990	Translation, ribosomal structure and biogenesis
4626	763.9	PUTATIVE NADH- DEPENDENT FLAVIN OXIDOREDUCTASE.	sptrembl O94467	Energy production and conversion
4627	763.6	GTPASE ACTIVATING PROTEIN HOMOLOG.	sptrembl O13384	ND
4628	762.9	HYPOTHETICAL 55.8 KD PROTEIN.	tremblnew CAB63552	ND
4629	762.6	SID478P.	tremblnew BAA84693	ND
4630	762.0	Multiple drug resistance Afu- MDR1 protein.	geneseqp W01022	ND
4631	761.4	SIMILAR TO ASPARTATE AMINOTRANSFERASE.	sptrembl Q17994	Amino acid transport and metabolism
4632	760.1	ACTIVATOR 1 41 KD SUBUNIT (REPLICATION FACTOR C 41 KD SUBUNIT).	swissprot P40348	DNA replication, recombination and repair
4633	759.8	ENDOGLUCANASE I (EC 3.2.1.4) (ENDO-1,4-BETA- GLUCANASE) (CARBOXYMETHYL- CELLULASE I) (CMCASE I).	swissprot P23044	ND
4634	759.2	PUTATIVE THIAZOLE SYNTHASE.	tremblnew AAF25444	ND
4635	758.9	SIGNAL SEQUENCE RECEPTOR ALPHA SUBUNIT.	sptrembl Q9Y7B0	Cell motility and secretion
4636	757.7	HYPOTHETICAL 55.5 KD PROTEIN C17A2.05 IN CHROMOSOME I.	sptrembl O13755	Energy production and conversion
4637	757.6	NONALLELIC VEGETATIVE INCOMPATIBILITY PROTEIN HET-C.	sptrembl Q01571	ND
4638	757.5	A. oryzae ATCC20386 carboxypeptidase I protein.	geneseqp W56099	ND
4639	756.3	NI-BINDING UREASE ACCESSORY PROTEIN UREG.	sptrembl Q9XGS2	ND
4640	755.1	HYPOTHETICAL 92.5 KD PROTEIN C25H2.03 IN CHROMOSOME II.	sptrembl P87145	ND
4641	754.8	HYPOTHETICAL 45.2 KD PROTEIN C19A8.06 IN CHROMOSOME I.	sptrembl O13822	ND
4642	754.7	PUTATIVE PROLYL AMINOPEPTIDASE..	tremblnew CAB66205	ND

4643	754.2	PUTATIVE PERMEASE C29B12.14C.	sptrembl O14035	Coenzyme metabolism
4644	751.9	PROBABLE HISTIDINOL-PHOSPHATASE (EC 3.1.3.15).	swissnew O14059	ND
4645	749.9	POTENTIAL PROTEASOME COMPONENT C5 (EC 3.4.99.46) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C5).	swissprot P23724	Posttranslational modification, protein turnover, chaperones
4646	747.1	ATP SYNTHASE D CHAIN, MITOCHONDRIAL (EC 3.6.1.34).	swissprot O13350	ND
4647	747.0	4-DIHYDROMETHYL-TRISPORATE DEHYDROGENASE.	sptrembl Q01213	ND
4648	746.8	IMPORTIN BETA-1 SUBUNIT (KARYOPHERIN BETA-1 SUBUNIT) (IMPORTIN 95).	swissprot O13864	ND
4649	744.5	PUTATIVE GOLGI MEMBRANE PROTEIN-SORTING PROTEIN.	sptrembl O94291	ND
4650	744.5	NAD(+)-ISOCITRATE DEHYDROGENASE SUBUNIT I PRECURSOR.	sptrembl O13302	Amino acid transport and metabolism
4651	743.9	DNA LIGASE (EC 6.5.1.1) (POLYDEOXYRIBONUCLEOTIDE SYNTHASE [ATP]).	swissprot P12000	DNA replication, recombination and repair
4652	743.7	PROBABLE ATP-DEPENDENT TRANSPORTER YOL075C.	swissprot Q08234	ND
4653	743.1	PUTATIVE METHYLTRANSFERASE NCL1 (EC 2.1.1.-).	swissnew P38205	Translation, ribosomal structure and biogenesis
4654	742.7	20 KD NUCLEAR CAP BINDING PROTEIN (NCBP) (CBP20) (FRAGMENT).	swissprot P52299	Transcription
4655	741.3	MULTICATALYTIC PROTEINASE 222 aa, chain M+1	pdb 1RYP	Posttranslational modification, protein turnover, chaperones
4656	740.4	60S RIBOSOMAL PROTEIN L21.	tremblnew CAB44755	Translation, ribosomal structure and biogenesis
4657	739.5	PUTATIVE THIAMINE BIOSYNTHESIS PROTEIN.	sptrembl O94266	ND
4658	739.2	PROBABLE GLUCOSE TRANSPORTER RCO-3.	swissprot Q92253	ND
4660	738.9	YIP3 PROTEIN.	swissprot P53633	ND
4661	737.7	SERINE PALMITOYLTRANSFERASE 2 (EC 2.3.1.50) (LONG CHAIN BASE	swissprot Q09925	Coenzyme metabolism

		BIOSYNTHESIS PROTEIN 2) (SPT 2).		
4662	737.6	RASP F 9 (FRAGMENT).	sptrembl O42800	Carbohydrate transport and metabolism
4663	737.2	UBIQUITIN CARBOXYL- TERMINAL HYDROLASE (HOMOLOGY TO UBIQUITIN CARBOXYL- TERMINAL HYDROLASE).	sptrembl Q11119	ND
4664	737.1	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 ALPHA SUBUNIT (EIF-2- ALPHA).	swissprot P56286	Translation, ribosomal structure and biogenesis
4665	736.7	PUTATIVE GLYCOSYL TRANSFERASE.	sptrembl O74878	Cell envelope biogenesis, outer membrane
4666	735.3	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC (EC 5.3.1.9) (GPI) (PHOSPHOGLUCOSE ISOMERASE) (PGI) (PHOSPHOHEXOSE ISOMERASE) (PHI).	sptrembl O94371	Carbohydrate transport and metabolism
4667	733.7	PUTATIVE ALPHA- GLUCAN SYNTHASE.	sptrembl O94638	ND
4668	732.9	PROBABLE LACTOYLGLUTATHIONE LYASE (EC 4.4.1.5) (METHYLGLYOXALASE) (ALDOKETOMUTASE) (GLYOXALASE I) (GLX I) (KETONE-ALDEHYDE MUTASE) (S-D- LACTOYLGLUTATHIONE METHYLGLYOXAL LYASE).	swissprot Q09751	Amino acid transport and metabolism
4669	732.1	GMP SYNTHASE [GLUTAMINE- HYDROLYZING] (EC 6.3.5.2) (GLUTAMINE AMIDOTRANSFERASE) (GMP SYNTHETASE).	swissprot P38625	Nucleotide transport
4670	731.7	SIMILAR TO CALCIUM- BINDING EF-HAND PROTEIN.	sptrembl O22788	ND
4671	731.6	CHROMOSOME XII COSMID 9470.	sptrembl Q06287	ND
4672	731.3	PROBABLE ZINC METALLOPEPTIDASE C17A5.04C PRECURSOR (EC 3.4.24.-).	swissprot O13766	ND
4673	730.7	HYPOTHETICAL 54.2 KD TRP-ASP REPEATS CONTAINING PROTEIN C29A4.08C IN CHROMOSOME I.	swissprot O14011	ND

4674	729.8	PUTATIVE TRIGLYCERIDE LIPASE-CHOLESTEROL ESTERASE (EC 3.1.1.-).	sptrembl P78898	ND
4675	729.1	PHOSPHOLIPASE D PRECURSOR (EC 3.1.4.4) (CHOLINE PHOSPHATASE).	swissprot Q59332	ND
4676	727.5	HYPOTHETICAL 32.5 KD PROTEIN YLR351C.	swissprot P49954	ND
4677	724.6	60S RIBOSOMAL PROTEIN L27-A.	swissprot O14388	ND
4678	723.9	PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] (EC 4.1.1.49).	swissprot O13434	Energy production and conversion
4679	723.8	AMINOPEPTIDASE Y PRECURSOR (EC 3.4.11.-).	swissprot P37302	ND
4680	723.7	ATP SYNTHASE SUBUNIT 4, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissprot O13349	ND
4681	723.7	GUANOSINE-DIPHOSPHATASE (EC 3.6.1.42) (GDPASE).	swissprot P32621	ND
4682	723.5	PUTATIVE POLY(A)-BINDING PROTEIN FABM.	sptrembl Q92227	Transcription
4683	722.7	MSF1 PROTEIN.	swissprot P35200	ND
4684	722.3	FLAVOHEMOGLOBIN.	sptrembl O74183	Energy production and conversion
4685	720.6	PUTATIVE RIBOSE 5-PHOSPHATE ISOMERASE.	tremblnew CAB61273	Carbohydrate transport and metabolism
4686	720.5	HYPOTHETICAL 20.9 KD PROTEIN.	sptrembl O94286	ND
4687	720.4	PUTATIVE HYDROXYMETHYLGLUTARYL-COA LYASE PRECURSOR.	sptrembl O81027	Amino acid transport and metabolism
4688	720.0	60S RIBOSOMAL PROTEIN L23A (L25).	swissprot P51997	Translation, ribosomal structure and biogenesis
4689	720.0	PHOSPHOGLUCOMUTASE 2 (EC 5.4.2.2) (GLUCOSE PHOSPHOMUTASE 2) (PGM 2).	swissprot P37012	Carbohydrate transport and metabolism
4690	717.6	Aspergillus nidulans essential protein AN17.	geneseq Y06418	ND
4691	713.2	SMALL ZINC FINGER-LIKE PROTEIN.	sptrembl Q9Y8A7	ND
4692	712.9	PROHIBITIN (FRAGMENT).	sptrembl O13357	Posttranslational modification, protein turnover, chaperones
4693	712.8	MULTIDRUG RESISTANCE PROTEIN 1.	sptrembl O43121	ND
4694	712.1	SIMILAR TO YEAST VACUOLAR SORTING PROTEIN VPS29/PEP11.	tremblnew CAB52425	ND

4695	711.6	PROBABLE GLUTAMYL-TRNA(GLN) AMIDOTRANSFERASE SUBUNIT A, MITOCHONDRIAL PRECURSOR (GLU-ADT SUBUNIT A).	swissnew Q03557	Translation, ribosomal structure and biogenesis
4696	711.3	HYPOTHETICAL 48.3 KD PROTEIN IN HSP26-TIF32 INTERGENIC REGION.	swissprot P38248	ND
4697	710.3	AGSPL1 PROTEIN.	sptrembl O60028	Amino acid transport and metabolism
4698	707.9	PUTATIVE PROLINE-TRNA SYNTHETASE.	sptrembl O74765	Translation, ribosomal structure and biogenesis
4699	707.7	60S RIBOSOMAL PROTEIN L9, MITOCHONDRIAL PRECURSOR (YML9).	swissprot P31334	Translation, ribosomal structure and biogenesis
4700	707.0	Dihydroxyacetone-3-phosphate protein.	geneseqp Y23747	ND
4701	706.5	60S RIBOSOMAL PROTEIN L13.	swissprot O74175	ND
4702	706.1	PUTATIVE GLUCANASE PRECURSOR.	tremblnew CAB57923	ND
4703	705.7	An enzyme with sugar transferase activity.	geneseqp W88044	ND
4704	705.0	PUTATIVE PROLYL-TRNA SYNTHETASE YHR020W (EC 6.1.1.15) (PROLINE--TRNA LIGASE) (PRORS).	swissprot P38708	Translation, ribosomal structure and biogenesis
4705	704.5	HYPOTHETICAL 18.8 KD PROTEIN.	sptrembl O43073	ND
4706	704.4	MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-).	swissprot P93647	Posttranslational modification, protein turnover, chaperones
4707	703.9	GARI PROTEIN.	swissnew P28007	ND
4708	702.3	HYPOTHETICAL 51.9 KD PROTEIN IN PFK27-RPL25 INTERGENIC REGION PRECURSOR.	swissprot Q08271	ND
4709	700.1	HYPOTHETICAL 80.9 KD PROTEIN (FRAGMENT).	tremblnew CAB60246	ND
4710	699.6	HYPOTHETICAL 56.4 KD PROTEIN IN RPL30-CWH41 INTERGENIC REGION PRECURSOR.	swissprot P53189	ND
4711	698.7	HOMOSERINE DEHYDROGENASE (EC 1.1.1.3) (HDH).	swissnew P31116	Amino acid transport and metabolism
4712	698.6	NUCLEAR TRANSPORT FACTOR 2 (NTF-2) (NUCLEAR TRANSPORT FACTOR P10).	swissprot P33331	ND

4713	698.5	PHENYLALANINE AMMONIUM LYASE.	sptrembl O93967	ND
4714	698.3	VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.	swissprot Q00808	ND
4715	697.6	HYPOTHETICAL 130.6 KD PROTEIN C9G1.10C IN CHROMOSOME I.	sptrembl O14306	ND
4716	695.3	HYPOTHETICAL 57.6 KD PROTEIN.	sptrembl Q9Y7D4	ND
4717	694.5	ADENYLOSUCCINATE SYNTHETASE (EC 6.3.4.4).	tremblnew CAB59683	Nucleotide transport
4718	694.4	T-COMPLEX PROTEIN 1, ALPHA SUBUNIT HOMOLOG, CHAPERONIN FAMILY.	sptrembl O94501	Posttranslational modification, protein turnover, chaperones
4719	693.3	HYPOTHETICAL 34.2 KD PROTEIN IN CUS1-RPL20A INTERGENIC REGION.	swissprot Q04013	ND
4720	693.3	HYPOTHETICAL 29.4 KD PROTEIN IN STE6-LOS1 INTERGENIC REGION.	swissprot P36039	ND
4721	692.4	HYPOTHETICAL 24.1 KD PROTEIN C17A5.08 IN CHROMOSOME I PRECURSOR.	swissprot O13770	ND
4722	691.9	PROBABLE MALATE OXIDOREDUCTASE [NAD] (EC 1.1.1.38) (MALIC ENZYME).	swissprot P26616	ND
4723	691.6	PROBABLE ZINC METALLOPEPTIDASE C17A5.04C PRECURSOR (EC 3.4.24.-).	swissprot O13766	ND
4724	690.4	ADENOSYLHOMOCYSTEIN ASE (EC 3.3.1.1) (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE).	swissprot P39954	Coenzyme metabolism
4725	690.4	EXO-1,3-BETA-GLUCANASE/1,3-BETA-D-GLUCAN GLUCANOHYDROLASE (EC 3.2.1.58) (GLUCAN 1,3-BETA-GLUCOSIDASE) (EXO-1,3-BETA-GLUCOSIDASE).	sptrembl Q12626	ND
4726	689.7	EUKARYOTIC INITIATION FACTOR 4A (EIF-4A).	swissprot P47943	DNA replication, recombination and repair
4727	689.6	PURU PROTEIN.	sptrembl Q9X7F7	Nucleotide transport
4728	689.4	ALFA-L-RHAMNOSIDASE (EC 3.2.1.40).	tremblnew CAB53341	ND
4729	688.1	FATTY ACID DESATURASE	sptrembl O74645	ND

		PROTEIN).		metabolism
4769	669.1	PROBABLE KYNURENINASE (EC 3.7.1.3) (L-KYNURENINE HYDROLASE).	swissprot Q05979	Amino acid transport and metabolism
4770	668.9	GLUTATHIONE REDUCTASE (GR).	sptrembl Q9WXD5	Energy production and conversion
4771	668.1	PATHOGENICITY PROTEIN.	sptrembl O93846	ND
4772	667.8	ELECTRON TRANSPORT 312 aa, chain A	pdb 1EFV	Energy production and conversion
4773	667.6	YEAST PROTEASOME COMPONENT PRE4 HOMOLOG.	tremblnew CAB54818	Posttranslational modification, protein turnover, chaperones
4774	667.4	SEXUAL DEVELOPMENT REGULATOR 1.	tremblnew CAB52588	ND
4775	667.1	SMALL ZINC FINGER-LIKE PROTEIN.	sptrembl Q9Y8A8	ND
4776	665.5	HYPOTHETICAL 64.0 KD PROTEIN C20G4.05C IN CHROMOSOME I.	swissprot O13890	ND
4777	664.4	PUTATIVE COATOMER BETA SUBUNIT.	tremblnew CAB46767	ND
4778	664.2	RNA BINDING PROTEIN.	sptrembl O74978	Transcription
4779	663.5	MOLYBDOPTERIN SYNTHASE LARGE SUBUNIT CNXH.	sptrembl Q9Y8C1	ND
4780	661.9	MOLLUSK-DERIVED GROWTH FACTOR.	sptrembl O96697	ND
4781	661.2	HEXOKINASE (EC 2.7.1.1).	sptrembl O93964	ND
4782	659.4	OXIDOREDUCTASE OF SHORT-CHAIN.	sptrembl Q9X9S4	ND
4783	657.9	PROTEIN KINASE.	sptrembl O59790	ND
4784	657.5	PUTATIVE 26S PROTEASOME SUBUNIT.	tremblnew CAB63792	ND
4785	656.7	ZINC-FINGER PROTEIN ZPR1.	swissprot O13724	ND
4786	656.6	HYPOTHETICAL 14.4 KD PROTEIN IN RNR1-ALD3 INTERGENIC REGION.	swissprot P40046	ND
4787	656.2	MAL3 PROTEIN.	swissnew Q10113	ND
4788	655.9	HYPOTHETICAL AMINOTRANSFERASE C6B12.04C (EC 2.6.1.-).	swissprot O14209	Amino acid transport and metabolism
4789	654.8	PUTATIVE CINAMOYL-COA REDUCTASE.	tremblnew CAB58730	Carbohydrate transport and metabolism
4790	651.0	SEC13-RELATED PROTEIN.	swissprot P55735	ND
4791	650.8	HYPOTHETICAL 42.3 KD PROTEIN IN YTA2-DIT1 INTERGENIC REGION.	swissprot Q04179	Nucleotide transport
4792	649.9	60S RIBOSOMAL PROTEIN L32-A.	swissprot P79015	Translation, ribosomal structure and

				biogenesis
4793	648.8	AVERANTIN OXIDOREDUCTASE (EC 1.14.-.-) (CYTOCHROME P450 60A1).	swissprot Q12732	ND
4794	648.1	ZINC FINGER PROTEIN SFP1.	swissprot P32432	ND
4795	647.4	FISSION YEAST (FRAGMENT).	sptrembl P78810	ND
4796	647.2	IGE-BINDING PROTEIN (FRAGMENT).	sptrembl O74263	ND
4797	646.9	GLYCINE DEHYDROGENASE [DECARBOXYLATING], MITOCHONDRIAL PRECURSOR (EC 1.4.4.2) (GLYCINE DECARBOXYLASE) (GLYCINE CLEAVAGE SYSTEM P- PROTEIN).	swissprot P49095	Amino acid transport and metabolism
4798	644.7	6-PHOSPHOGLUCONATE DEHYDROGENASE (EC 1.1.1.44).	sptrembl O60037	Carbohydrate transport and metabolism
4799	644.3	60S RIBOSOMAL PROTEIN L5.	swissprot O59953	Translation, ribosomal structure and biogenesis
4800	643.1	ACYL-COA DEHYDROGENASE, PUTATIVE.	tremblnew AAF12182	Lipid metabolism
4801	642.9	PROBABLE GAMMA- GLUTAMYL PHOSPHATE REDUCTASE.	tremblnew CAB57445	Amino acid transport and metabolism
4802	642.5	ALK2.	sptrembl O74128	ND
4803	642.2	HYPOTHETICAL 52.2 KD PROTEIN.	sptrembl Q12116	ND
4804	639.5	ISOTRICHODERMIN C-15 HYDROXYLASE (EC 1.14.-.-) (CYTOCHROME P450 65A1).	swissprot O13317	ND
4805	638.6	FK506-BINDING PROTEIN PRECURSOR (FKBP-21) (PEPTIDYL-PROLYL CIS- TRANS ISOMERASE) (PPIASE) (EC 5.2.1.8).	swissprot O60046	Posttranslational modification, protein turnover, chaperones
4806	638.4	ATP PHOSPHORIBOSYLTRANSF ERASE (EC 2.4.2.17).	swissprot P40373	Amino acid transport and metabolism
4807	638.2	40S RIBOSOMAL PROTEIN S24 (RP50).	swissprot P26782	Translation, ribosomal structure and biogenesis
4808	638.0	NAD(P) TRANSHYDROGENASE (EC 1.6.1.1) (PYRIDINE NUCLEOTIDE TRANSHYDROGENASE) (NICOTINAMIDE	sptrembl Q18031	Energy production and conversion

		NUCLEOTIDE TRANSHYDROGENASE).		
4809	637.5	PROBABLE ELECTRON TRANSFER FLAVOPROTEIN- UBIQUINONE OXIDOREDUCTASE PRECURSOR (EC 1.5.5.1) (ETF-QO) (ETF- UBIQUINONE OXIDOREDUCTASE) (ETF DEHYDROGENASE) (ELECTRON- TRANSFERRING- FLAVOPROTEIN DEHYDROGENASE).	swissprot P87111	Energy production and conversion
4810	636.9	CAMP-DEPENDENT PROTEIN KINASE REGULATORY CHAIN.	swissnew O59922	ND
4811	636.3	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P23704	Energy production and conversion
4812	635.4	60S RIBOSOMAL PROTEIN L17-B (YL17-B).	swissprot P46990	Translation, ribosomal structure and biogenesis
4813	635.3	PROBABLE MEMBRANE PROTEIN YOL130W.	sptrembl O13657	Inorganic ion transport and metabolism
4814	634.9	MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM20 (MITOCHONDRIAL 20 KD OUTER MEMBRANE PROTEIN) (MOM19 PROTEIN) (TRANSLOCASE OF OUTER MEMBRANE 20 KD SUBUNIT).	swissprot P35848	ND
4815	634.2	NADH DEHYDROGENASE SUBUNIT.	sptrembl Q01388	ND
4816	634.2	60S RIBOSOMAL PROTEIN L33-B (L37B) (YL37) (RP47).	swissprot P41056	ND
4817	634.1	GLUTATHIONE S- TRANSFERASE.	sptrembl O59827	Posttranslational modification, protein turnover, chaperones
4818	633.8	CALCIUM-TRANSPORTING ATPASE 3 (EC 3.6.1.38).	swissprot P22189	Inorganic ion transport and metabolism
4819	633.4	HYPOTHETICAL 33.0 KD PROTEIN C25H2.06C IN CHROMOSOME II.	sptrembl P87148	ND
4820	632.5	PEROXISOMAL MEMBRANE PROTEIN PMP47A.	swissprot P21245	ND
4821	632.2	HYPOTHETICAL 41.7 KD PROTEIN C3C7.07C IN CHROMOSOME I.	sptrembl O14133	ND

4822	632.1	PUTATIVE CINNAMOYL-COA REDUCTASE.	tremblnew CAB58730	Carbohydrate transport and metabolism
4823	629.5	6,7-DIMETHYL-8-RIBITYLLUMAZINE SYNTHASE.	tremblnew AAD55372	ND
4824	629.5	OXIDOREDUCTASE, SHORT CHAIN DEHYDROGENASE/REDUCTASE FAMILY.	sptrembl Q9WYD3	ND
4825	629.3	PUTATIVE OXIDOREDUCTASE C2F3.05C (EC 1.-.-.-).	sptrembl O14088	ND
4826	628.7	MITOCHONDRIAL PHOSPHATE CARRIER PROTEIN (PHOSPHATE TRANSPORT PROTEIN) (PTP) (MITOCHONDRIAL IMPORT RECEPTOR) (P32).	swissprot P23641	ND
4827	628.0	Yeast immunophilin FKBP46.	geneseqp W68011	Posttranslational modification, protein turnover, chaperones
4828	627.9	VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS28.	swissprot Q02767	ND
4829	627.8	Human cytidine deaminase.	geneseqp W13658	Nucleotide transport
4830	626.3	SMALL NUCLEAR RIBONUCLEOPROTEIN SM D3 (SNRNP CORE PROTEIN D3) (SM-D3).	swissprot P43331	Transcription
4831	623.8	MITOCHONDRIAL RESPIRATORY FUNCTION PROTEIN HOMOLOG.	swissprot Q10488	ND
4832	623.6	MALTOSE PERMEASE.	sptrembl Q9Y845	ND
4833	623.0	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl O74797	ND
4834	621.6	GABA PERMEASE.	sptrembl Q9Y860	Amino acid transport and metabolism
4835	621.2	GTP CYCLOHYDROLASE II (EC 3.5.4.25).	swissprot P50139	Coenzyme metabolism
4836	621.1	NADH-UBIQUINONE OXIDOREDUCTASE 14.8 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-14.8KD) (CI-14.8KD).	swissprot P42114	ND
4837	620.7	ASPARTIC PROTEINASE II-1.	tremblnew G1246046	ND
4838	620.2	AMINO ACID PERMEASE.	sptrembl O59813	ND
4839	620.0	TRANSLATIONALLY CONTROLLED TUMOR PROTEIN HOMOLOG (TCTP).	swissprot P35691	ND
4840	619.9	SERINE/THREONINE-PROTEIN KINASE KSP1 (EC	swissnew P38691	Signal transduction

		INTERGENIC REGION.		
4862	609.3	THIOREDOXIN.	swissprot P29429	Energy production and conversion
4863	608.8	HYPOTHETICAL 31.1 KD PROTEIN IN SIP18-SPT21 INTERGENIC REGION.	swissprot Q03219	ND
4864	608.1	CYTOCHROME C HEME LYASE (EC 4.4.1.17) (CCHL) (HOLOCYTOCHROME-C SYNTHASE).	swissnew P14187	ND
4865	607.9	NADH-UBIQUINONE OXIDOREDUCTASE 10.5 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I) (CI).	swissprot Q07842	ND
4866	607.7	PUTATIVE D-3-PHOSPHOGLYCERATE DEHYDROGENASE YIL074W (EC 1.1.1.95) (PGDH).	swissprot P40510	ND
4867	606.5	BETA-GLUCOSIDASE 1 PRECURSOR (EC 3.2.1.21) (GENTIOBIASE) (CELLOBIASE) (BETA-D-GLUCOSIDE GLUCOHYDROLASE).	swissprot P48825	ND
4868	606.0	CALNEXIN HOMOLOG PRECURSOR.	swissprot P36581	ND
4869	605.8	NUCLEASE.	sptrembl O60168	ND
4870	605.8	PUTATIVE D-3-PHOSPHOGLYCERATE DEHYDROGENASE YER081W (EC 1.1.1.95) (PGDH).	swissprot P40054	Amino acid transport and metabolism
4871	605.6	B0250.5 PROTEIN.	sptrembl Q9XTI0	Lipid metabolism
4872	605.6	UNKNOWN PROTEIN.	sptrembl O22730	ND
4873	604.9	TOXD PROTEIN.	swissprot P54006	ND
4874	604.8	HYPOTHETICAL 41.5 KD PROTEIN IN GZF3-IME2 INTERGENIC REGION.	swissprot P42946	ND
4875	604.8	HYPOTHETICAL 81.0 KD PROTEIN C1B3.10C IN CHROMOSOME I PRECURSOR.	sptrembl O13875	ND
4876	602.9	60S RIBOSOMAL PROTEIN L26.	swissprot Q39411	Translation, ribosomal structure and biogenesis
4877	602.4	TOLUENESULFONATE ZINC-INDEPENDENT ALCOHOL DEHYDROGENASE.	sptrembl P94681	ND
4878	602.2	YPT1-RELATED PROTEIN 2.	swissprot P17609	ND
4879	600.9	PREDICTED PROTEIN OF UNKNOWN FUNCTION.	sptrembl Q9ZR11	ND

		COMPONENT).		
4895	588.2	UBIQUITIN-CONJUGATING ENZYME E2-17.5 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	swissprot P52490	ND
4896	587.7	HYPOTHETICAL 32 KD PROTEIN.	sptrembl Q01391	ND
4897	587.2	IMPORTIN BETA-1 SUBUNIT (KARYOPHERIN BETA-1 SUBUNIT) (IMPORTIN 95).	swissprot O13864	ND
4898	586.4	NUCLEAR PROTEIN SNF4 (REGULATORY PROTEIN CAT3).	swissprot P12904	ND
4899	586.0	PUTATIVE ATP-DEPENDENT RNA HELICASE.	sptrembl O48534	ND
4900	585.7	HYPOTHETICAL 49.6 KD PROTEIN IN FBA1-TOA2 INTERGENIC REGION.	swissprot P35728	ND
4901	584.7	LIGASE 603 aa, chain A	pdb 1BS2	Translation, ribosomal structure and biogenesis
4902	584.4	SPERMIDINE SYNTHASE.	sptrembl Q9Y8H7	Amino acid transport and metabolism
4903	584.1	SORBITOL UTILIZATION PROTEIN SOU2.	swissprot P87218	ND
4904	582.6	HYPOTHETICAL 65.8 KD PROTEIN.	sptrembl O74963	ND
4905	582.6	MINICHROMOSOME MAINTENANCE PROTEIN 3 HOMOLOG.	swissprot P30666	DNA replication, recombination and repair
4906	582.5	RAT PHOSPHORIBOSYLPHOSPHATE SYNTHETASE (PRPS2).	sptrembl Q63462	Nucleotide transport
4907	580.6	PUTATIVE ZINC-BINDING DEHYDROGENASE.	sptrembl Q9X9X1	ND
4908	580.5	HYPOTHETICAL 23.4 KD PROTEIN.	sptrembl Q03201	Translation, ribosomal structure and biogenesis
4909	580.4	TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3).	swissprot P20290	ND
4910	580.3	PROBABLE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 RNA-BINDING SUBUNIT (EIF-3 RNA-BINDING SUBUNIT) (EIF3 P33) (TRANSLATION INITIATION FACTOR EIF3, P33 SUBUNIT).	swissprot P78795	Transcription

4911	579.6	AMP DEAMINASE (EC 3.5.4.6) (MYOADENYLATE DEAMINASE).	swissprot P15274	ND
4912	579.6	ACYL CARRIER PROTEIN, MITOCHONDRIAL PRECURSOR (ACP) (NADH-UBIQUINONE OXIDOREDUCTASE 9.6 KD SUBUNIT) (EC 1.6.5.3) (EC 1.6.99.3).	swissprot P11943	ND
4913	579.5	REPRESSIBLE ALKALINE PHOSPHATASE PRECURSOR (EC 3.1.3.1).	swissprot P11491	Inorganic ion transport and metabolism
4914	579.4	SIMILARITY NEAR C-TERMINUS TO UNDULIN EXTRACELLULAR MATRIX GLYCOPROTEIN.	sptrembl Q06682	ND
4915	578.5	AT2G05170 PROTEIN.	tremblnew AAD29055	ND
4916	578.4	YEAST NRD1-LIKE PROTEIN.	tremblnew CAB60701	ND
4917	577.2	PUTATIVE SECRETORY PROTEIN.	sptrembl O74903	ND
4918	575.7	SPORULATION PROTEIN SPS19 (SPORULATION-SPECIFIC PROTEIN SPX19).	swissprot P32573	ND
4919	575.2	UBIQUITIN FUSION DEGRADATION PROTEIN-2.	sptrembl O60009	ND
4920	573.7	COPPER RESISTANCE-ASSOCIATED P-TYPE ATPASE.	tremblnew AAF04593	Inorganic ion transport and metabolism
4921	573.6	A. fumigatus allergen rAsp f8 sequence.	geneseqp W61478	Translation, ribosomal structure and biogenesis
4922	573.6	ALDEHYDE REDUCTASE II.	tremblnew AAF15999	ND
4923	573.3	ACETAMIDASE.	sptrembl O59805	ND
4924	573.1	THIOREDOXIN.	swissprot P34723	Energy production and conversion
4925	571.7	CYSTATHIONINE BETA-LYASE.	tremblnew AAF20155	Amino acid transport and metabolism
4926	570.9	PUTATIVE PHENYLALANYL-TRNA SYNTHETASE BETA CHAIN CYTOPLASMIC (EC 6.1.1.20) (PHENYLALANINE--TRNA LIGASE BETA CHAIN).	sptrembl O42870	ND
4927	570.8	NMT1 PROTEIN HOMOLOG.	swissprot P42882	Inorganic ion transport and metabolism
4928	570.1	ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE [UDP-FORMING] 1 (EC 2.4.1.15)	swissprot Q00075	ND

		(TREHALOSE-6-PHOSPHATE SYNTHASE) (UDP-GLUCOSE-GLUCOSEPHOSPHATE GLUCOSYLTRANSFERASE).		
4929	570.1	36.7 KD PROTEIN IN CBR5-NOT3 INTERGENIC REGION.	swissprot P40531	ND
4930	569.4	PROTEIN KINASE INHIBITOR P58.	sptrembl Q13217	ND
4931	569.2	D-ARABINITOL 2-DEHYDROGENASE [RIBULOSE FORMING] (EC 1.1.1.250) (ARDH).	swissprot P43066	ND
4932	569.0	P-CUMIC ALDEHYDE DEHYDROGENASE.	sptrembl O33455	Energy production and conversion
4933	568.6	CGI-110 PROTEIN.	sptrembl Q9Y3B4	ND
4934	567.7	UBIQUITIN-LIKE PROTEIN.	sptrembl O14399	ND
4935	567.2	CAMP-INDEPENDENT REGULATORY PROTEIN PAC2.	sptrembl Q10294	ND
4936	566.5	PHOSPHOSERINE AMINOTRANSFERASE (EC 2.6.1.52) (PSAT).	swissprot P33330	Coenzyme metabolism
4937	566.3	MEIOTIC RECOMBINATION PROTEIN REC14.	swissprot Q09150	ND
4938	566.3	C-8 STEROL ISOMERASE (DELTA-8--DELTA-7 STEROL ISOMERASE).	swissprot Q92254	ND
4939	566.2	HYPOTHETICAL 76.3 KD PROTEIN.	sptrembl Q04562	ND
4940	566.1	HYPOTHETICAL 28.3 KD PROTEIN IN PPR1-SNF7 INTERGENIC REGION.	swissprot Q07953	ND
4941	565.9	NADH-CYTOCHROME B5 REDUCTASE PRECURSOR (EC 1.6.2.2) (P34/P32).	swissprot P36060	Coenzyme metabolism
4942	565.8	THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.3) (THREONINE--TRNA LIGASE) (THRRS).	swissprot P26639	Translation, ribosomal structure and biogenesis
4943	565.6	TRANSCRIPTION ELONGATION FACTOR S-II (TFIIS).	swissprot P49373	Transcription
4944	565.6	HOMOGENTISATE 1,2-DIOXYGENASE (EC 1.13.11.5).	sptrembl Q9ZRA2	ND
4945	565.0	ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1.	swissprot P41696	ND
4946	564.9	NICOTINATE-NUCLEOTIDE PYROPHOSPHORYLASE [CARBOXYLATING] (EC	swissprot Q15274	Coenzyme metabolism

		2.4.2.19) (QUINOLINATE PHOSPHORIBOSYLTRANSFERASE [DECARBOXYLATING]) (QAPRTASE).		
4947	561.2	FUSCA PROTEIN FUS6.	swissprot P45432	ND
4949	559.0	PHASE SPECIFIC (YPS-3).	sptrembl Q00950	ND
4950	558.6	FISSION YEAST (FRAGMENT).	sptrembl P78791	ND
4951	558.3	PUTATIVE HEAVY METAL TRANSPORT PROTEIN (FRAGMENT).	sptrembl O74869	ND
4952	557.1	HYPOTHETICAL 56.6 KD PROTEIN IN URE2-SSU72 INTERGENIC REGION.	swissprot P53867	ND
4953	556.5	PROBABLE DIMERIC DIHYDRODIOL DEHYDROGENASE.	tremblnew CAB58729	ND
4954	555.8	GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1) (GAMMA-BUTYROBETAINE HYDROXYLASE) (GAMMA-BBH).	swissprot O75936	ND
4955	555.8	AMINOTRANSFERASE.	sptrembl O94562	Amino acid transport and metabolism
4956	555.0	ANNEXIN XIV.	sptrembl O59907	ND
4957	554.9	NADPH-DEPENDENT BETA-KETOACYL REDUCTASE.	tremblnew AAD53514	ND
4958	554.3	HYPOTHETICAL 92.7 KD PROTEIN.	sptrembl O74334	ND
4960	552.3	HYPOTHETICAL 48.7 KD PROTEIN (FRAGMENT).	tremblnew CAB43225	ND
4961	550.4	ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P49377	Energy production and conversion
4962	550.3	ACETYL-COA-ACETYLTRANSFERASE (EC 2.3.1.9).	sptrembl Q9Y838	ND
4963	548.4	40S RIBOSOMAL PROTEIN S27.	swissprot O74330	Translation, ribosomal structure and biogenesis
4964	547.6	ORF YDL147W.	sptrembl Q12250	ND
4966	547.3	STEROID MONOOXYGENASE.	sptrembl O50641	Inorganic ion transport and metabolism
4967	546.0	TRANSCRIPTION INITIATION FACTOR TFIIF SMALL SUBUNIT (TRANSCRIPTION FACTOR G 30 KD SUBUNIT) (ANC1 PROTEIN).	swissprot P35189	ND

4968	545.5	60S ACIDIC RIBOSOMAL PROTEIN P1 (ALLERGEN CLA H 12) (CLA H XII).	swissprot P50344	ND
4969	545.0	SIMILAR TO MITOCHONDRIAL ADP/ATP CARRIER PROTEIN.	sptrembl Q06497	ND
4970	544.3	KIAA0363 (FRAGMENT).	sptrembl O15069	Transcription
4971	544.1	AMINONITROPHENYL PROPANEDIOL RESISTANCE PROTEIN.	swissprot P32629	ND
4972	543.6	HYPOTHETICAL 29.7 KD PROTEIN.	sptrembl O74529	ND
4973	543.3	HYPOTHETICAL 86.4 KD PROTEIN IN PHO5-VPS15 INTERGENIC REGION.	swissprot P38254	ND
4974	543.3	ORF YOL080C.	sptrembl Q08237	DNA replication, recombination and repair
4975	542.2	PUTATIVE ZUOTIN-LIKE PROTEIN C30D10.01 (FRAGMENT).	sptrembl O14347	Posttranslational modification, protein turnover, chaperones
4976	541.9	HYPOTHETICAL PROTEIN AQ_1575.	swissnew O67517	ND
4977	541.6	H(+)/MONOSACCHARIDE COTRANSPORTER.	sptrembl O13411	ND
4978	540.8	40S RIBOSOMAL PROTEIN S20.	swissprot O74893	Translation, ribosomal structure and biogenesis
4979	539.8	DICARBOXYLIC AMINO ACID PERMEASE.	swissprot P53388	Amino acid transport and metabolism
4980	539.8	C. magnoliae carbonyl reductase.	geneseqp W64777	ND
4981	538.8	PI023 PROTEIN.	sptrembl O13614	ND
4982	538.4	3-KETOACYL-COA THIOLASE, PEROXISOMAL PRECURSOR (EC 2.3.1.16) (BETA- KETOTHIOLASE) (ACETYL-COA ACYLTRANSFERASE) (PEROXISOMAL 3-OXOACYL- COA THIOLASE).	swissprot Q05493	Lipid metabolism
4983	538.0	PROBABLE RIBOSE-PHOSPHATE PYROPHOSPHOKINASE 5 (EC 2.7.6.1) (PHOSPHORIBOSYL PYROPHOSPHATE SYNTHETASE 5).	swissprot Q12265	Nucleotide transport
4984	537.4	MYB-LIKE DNA BINDING PROTEIN FLBD.	sptrembl Q00658	ND
4985	537.2	HYPOTHETICAL 50.8 KD PROTEIN IN PAU2-GLY1 INTERGENIC REGION.	swissprot P32614	ND

4986	536.6	60S RIBOSOMAL PROTEIN L35.	swissprot P17078	Translation, ribosomal structure and biogenesis
4987	534.5	HYPOTHETICAL 57.7 KD PROTEIN.	sptrembl O59714	ND
4988	534.5	CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE (EC 2.7.1.123) (CMPK).	swissprot Q00771	ND
4989	533.4	CYTOCHROME B-245 HEAVY CHAIN (P22 PHAGOCYTE B-CYTOCHROME) (NEUTROPHIL CYTOCHROME B, 91 KD POLYPEPTIDE) (CGD91-PHOX) (GP91-PHOX) (CYTOCHROME B(558) BETA CHAIN) (SUPEROXIDE-GENERATING NADPH OXIDASE HEAVY CHAIN SUBUNIT).	swissprot P04839	ND
4990	532.6	PROBABLE MEMBRANE TRANSPORTER.	tremblnew CAB65616	ND
4991	531.3	MYO-INOSITOL TRANSPORTER 1.	swissnew Q10286	ND
4992	531.0	OPDA-REDUCTASE HOMOLOG.	sptrembl Q9XHD2	Energy production and conversion
4993	529.7	MORPHINE 6-DEHYDROGENASE (EC 1.1.1.218) (NALOXONE REDUCTASE).	swissprot Q02198	ND
4994	528.7	DENTIN PHOSPHORYN (FRAGMENT).	sptrembl O95815	ND
4995	527.1	HYPOTHETICAL 27.5 KD PROTEIN IN SPO1-SIS1 INTERGENIC REGION.	swissprot P53981	ND
4996	527.0	UDP-GALACTOSE TRANSPORTER (GOLGI UDP-GAL TRANSPORTER).	swissprot P87041	ND
4997	526.8	SRP1 PROTEIN.	swissprot Q10193	ND
4998	526.6	MYOSIN-RELATED PROTEIN HOMOLOG MLPA (FRAGMENT).	tremblnew AAF18567	ND
4999	525.6	GCY PROTEIN (EC 1.1.1.-).	swissprot P14065	ND
5000	525.5	PISATIN DEMETHYLASE (EC 1.14.-.-) (CYTOCHROME P450 57A2).	swissprot P38364	ND
5001	525.4	VIRULENCE PROTEIN CAP20.	sptrembl Q00368	ND
5002	525.3	ALLYL ALCOHOL DEHYDROGENASE.	tremblnew BAA89423	ND
5003	525.1	DNA REPLICATION HELICASE DNA2.	swissprot P38859	DNA replication, recombination

				and repair
5004	524.6	HYPOTHETICAL TPR DOMAIN-CONTAINING PROTEIN.	sptrembl O94474	ND
5005	523.1	CLATHRIN-ASSOCIATED ADAPTOR COMPLEX AP-2 MEDIUM CHAIN.	tremblnew AAF14248	ND
5006	522.5	Protein involved in cephalosporin C biosynthesis.	geneseqp W14440	ND
5007	522.4	HYPOTHETICAL 40.3 KD PROTEIN.	sptrembl O74384	ND
5008	522.0	IGE-BINDING PROTEIN (FRAGMENT).	sptrembl O74263	ND
5009	521.5	DNA-DIRECTED RNA POLYMERASE I AND III 14 KDA POLYPEPTIDE.	swissprot Q09177	Transcription
5010	521.4	SIMILAR TO PHOSPHATIDIC ACID PHOSPHATASE.	tremblnew CAB52620	ND
5011	521.3	C5,6 DESATURASE.	sptrembl O93875	ND
5012	520.8	QUINATE PERMEASE (QUINATE TRANSPORTER).	swissprot P11636	ND
5013	520.6	DNAJ RELATED PROTEIN.	sptrembl O94657	Posttranslational modification, protein turnover, chaperones
5014	518.6	BEM46 PROTEIN (FRAGMENT).	swissprot P54069	ND
5015	517.6	CURVED DNA-BINDING PROTEIN (42 KD PROTEIN).	swissprot Q09184	ND
5016	517.2	HYPOTHETICAL 42.5 KD PROTEIN IN TSM1-ARE1 INTERGENIC REGION.	swissprot P25625	ND
5017	516.7	HYPOTHETICAL 13.5 KD PROTEIN C24B11.09 IN CHROMOSOME I.	swissprot Q09896	ND
5018	514.5	6-PHOSPHOGLUCONATE DEHYDROGENASE, DECARBOXYLATING (EC 1.1.1.44).	swissprot O13287	Carbohydrate transport and metabolism
5019	514.1	LYSOPHOSPHOLIPASE.	sptrembl O42881	ND
5020	513.7	D-AMINOPEPTIDASE (EC 3.4.11.19) (D-STEREOSPECIFIC AMINOPEPTIDASE).	sptrembl Q59632	ND
5021	513.7	HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION.	swissprot P53849	ND
5022	513.7	PUTATIVE CYSTEINE DIOXYGENASE (EC 1.13.11.20) (CDO).	sptrembl Q20893	ND
5023	513.6	26S PROTEASOME REGULATORY COMPLEX SUBUNIT P110 (FRAGMENT).	tremblnew AAF08384	ND
5024	513.1	HYPOTHETICAL 17.7 KD PROTEIN IN RNR3-ARC15	swissprot P40515	ND

		INTERGENIC REGION.		
5025	512.3	1,4-BUTANEDIOL DIACRYLATE ESTERASE.	sptrembl Q9WXD6	ND
5026	511.7	T1J1.6 PROTEIN.	sptrembl Q9ZPH2	Posttranslational modification, protein turnover, chaperones
5027	511.2	HYPOTHETICAL 40.2 KD PROTEIN IN TAF145-YOR1 INTERGENIC REGION PRECURSOR.	swissprot P53334	ND
5028	511.2	PUTATIVE SUCCINATE DEHYDROGENASE CYTOCHROME B SUBUNIT PRECURSOR.	sptrembl O74882	ND
5029	510.6	BLASTICIDIN-S DEAMINASE (EC 3.5.4.23) (FRAGMENT).	sptrembl P78986	ND
5030	509.9	Peptide transport protein ATPTR2Ap.	geneseqp R84891	ND
5031	509.8	GLYCINE CLEAVAGE SYSTEM H PROTEIN.	sptrembl Q9WY55	Amino acid transport and metabolism
5032	509.4	YEL007C-AP.	sptrembl P89886	ND
5033	509.3	ZINC FINGER PROTEIN.	sptrembl O59811	ND
5034	509.1	HYPOTHETICAL OXIDOREDUCTASE IN MRPL44-MTF1 INTERGENIC REGION (EC 1.-.-.-).	swissprot Q05016	ND
5035	508.9	HYPOTHETICAL 54.7 KD PROTEIN.	sptrembl Q9Y827	ND
5036	508.0	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE ISOZYME L3 (EC 3.1.2.15) (UCH- L3) (UBIQUITIN THIOLESTERASE L3).	swissprot P15374	ND
5037	506.3	HYPOTHETICAL 31.8 KD PROTEIN.	tremblnew CAB52731	ND
5038	506.3	S. lipmanii epimerase.	geneseqp R14187	ND
5039	506.3	HYPOTHETICAL 34.0 KD PROTEIN IN CTF13-YPK2 INTERGENIC REGION.	swissprot Q03161	Carbohydrate transport and metabolism
5040	506.2	Cytosolic glycerol-3-phosphate dehydrogenase encoded by GPD2.	geneseqp Y26167	Energy production and conversion
5041	506.0	RIBOSOMAL PROTEIN L31.	sptrembl Q9XGL4	Translation, ribosomal structure and biogenesis
5042	505.9	HIGH-AFFINITY GLUCOSE TRANSPORTER.	swissprot O74713	ND
5043	505.4	COATOMER ZETA SUBUNIT.	sptrembl O74891	ND
5044	505.3	CARBOXYPEPTIDASE S1 (EC 3.4.16.6).	swissprot P34946	ND
5045	504.9	QUINATE PERMEASE (QUINATE TRANSPORTER).	swissprot P15325	ND

5046	504.0	CYTOCHROME P450 51 (EC 1.14.14.1) (CYPL1) (P450-L1A1) (STEROL 14- ALPHA DEMETHYLASE) (EBURICOL 14-ALPHA-DEMETHYLASE) (P450-14DM).	swissprot Q12664	ND
5047	502.3	Ester hydrolase protein encoded by rec 511 gene.	geneseqp R44509	ND
5048	501.8	C. magnoliae carbonyl reductase.	geneseqp W64777	ND
5049	501.4	HYPOTHETICAL 72.2 KD PROTEIN C12C2.05C IN CHROMOSOME II.	swissprot Q09746	ND
5050	501.0	LOW-AFFINITY FE(II) TRANSPORT PROTEIN.	swissprot P40988	ND
5051	498.7	CHROMOSOME XV READING FRAME ORF YOR197W.	sptrembl Q08601	ND
5052	498.5	HYPOTHETICAL 53.5 KD PROTEIN C1F5.07C IN CHROMOSOME I.	swissprot Q10062	ND
5053	497.6	SIMILAR TO ACETYL-COENZYME A SYNTHETASE. NCBI GI: 1118129.	sptrembl Q21166	ND
5054	497.3	SULFUR METABOLITE REPRESSION CONTROL PROTEIN.	swissprot Q00659	ND
5055	497.1	PUTATIVE MAJOR FACILITATOR FAMILY MULTI-DRUG RESISTANCE PROTEIN.	sptrembl O94343	ND
5056	496.7	HYPOTHETICAL 24.1 KD PROTEIN.	sptrembl O94389	ND
5057	496.7	GLUTATHIONE SYNTHETASE LARGE CHAIN (EC 6.3.2.3) (GLUTATHIONE SYNTHASE LARGE CHAIN) (GSH SYNTHETASE LARGE CHAIN) (GSH-S) (PHYTOCHELATIN SYNTHETASE).	swissprot P35669	ND
5058	496.0	CYTOCHROME C OXIDASE POLYPEPTIDE IV PRECURSOR (EC 1.9.3.1).	swissprot P04037	ND
5060	494.8	ALPHA-AMYLASE (EC 3.2.1.1).	tremblnew AAF14264	ND
5061	494.6	PUTATIVE TRANSPORT PROTEIN.	tremblnew CAB52881	ND
5062	494.5	HYPOTHETICAL TRP-ASP REPEATS CONTAINING PROTEIN C29E6.01 IN CHROMOSOME I (FRAGMENT).	swissprot Q09855	ND
5063	494.4	HYPOTHETICAL 46.5 KD	sptrembl O07730	ND

				biogenesis
5080	485.2	49 KDA ZINC FINGER PROTEIN.	sptrembl Q9Z326	ND
5081	485.0	MYOSIN I HEAVY CHAIN.	sptrembl Q00647	ND
5082	484.5	PUTATIVE DEHYDROGENASE.	tremblnew CAB61800	ND
5083	484.4	SIGNAL RECOGNITION PARTICLE 19 KD PROTEIN HOMOLOG.	swissprot P41922	Cell motility and secretion
5084	484.2	SIMILAR TO BOVINE PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR.	sptrembl O94327	ND
5085	483.7	GLUTATHIONE-DEPENDENT FORMALDEHYDE DEHYDROGENASE (EC 1.2.1.1) (FDH) (FALDH).	swissprot P47734	ND
5086	483.5	KIAA1259 PROTEIN (FRAGMENT).	tremblnew BAA86573	DNA replication, recombination and repair
5087	482.1	HYPOTHETICAL 42.5 KD PROTEIN.	sptrembl O74737	ND
5088	482.1	PUTATIVE FAD SYNTHETASE.	sptrembl O74841	ND
5089	482.0	MUTANT VEA1 PROTEIN.	tremblnew AAD44048	ND
5090	481.8	P21 PROTEIN.	sptrembl Q11118	ND
5091	481.8	278AA LONG HYPOTHETICAL ERYTHROCYTE BAND 7 INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y9Y6	Posttranslational modification, protein turnover, chaperones
5092	481.7	DNA-DIRECTED RNA POLYMERASES I, II, AND III 8.3 KD POLYPEPTIDE (EC 2.7.7.6) (ABC10-BETA).	swissprot O13877	Transcription
5093	480.8	HYPOTHETICAL 45.1 KD PROTEIN C6B12.08 IN CHROMOSOME I.	sptrembl O14213	ND
5094	480.3	TRNA ISOPENTENYLTRANSFERASE (EC 2.5.1.8) (ISOPENTENYL-DIPHOSPHATE: TRNA ISOPENTENYLTRANSFERASE) (IPP TRANSFERASE) (IPPT).	swissprot P07884	Translation, ribosomal structure and biogenesis
5095	479.9	HEXOSE TRANSPORTER.	sptrembl O13311	ND
5096	479.6	HYPOTHETICAL 18.5 KD PROTEIN.	tremblnew CAB61465	ND
5097	478.9	SIMILAR TO POLYADENYLATE-BINDING PROTEIN.	sptrembl Q06106	Transcription
5098	478.7	PUTATIVE CA-CALMODULIN-DEPENDENT SERINE-THREONINE-	sptrembl O94547	ND

		PROTEIN KINASE.		
5099	477.9	MICROSOMAL DIPEPTIDASE PRECURSOR (EC 3.4.13.19) (MDP) (DEHYDROPEPTIDASE-I) (RENAL DIPEPTIDASE) (RDP).	swissprot P31430	ND
5100	477.0	URACIL PHOSPHORIBOSYLTRANSF ERASE (EC 2.4.2.9) (UMP PYROPHOSPHORYLASE) (UPRTASE).	swissnew P93394	ND
5101	476.1	10 KD HEAT SHOCK PROTEIN, MITOCHONDRIAL (HSP10) (10 KD CHAPERONIN).	swissprot O59804	Posttranslational modification, protein turnover, chaperones
5102	475.4	SUR1 PROTEIN.	swissprot P33300	ND
5103	474.9	CHROMOSOME IV READING FRAME ORF YDL128W.	sptrembl Q99385	Inorganic ion transport and metabolism
5104	474.5	NA,K-ATPASE ALPHA-2- SUBUNIT (FRAGMENT).	sptrembl Q9Z1G6	ND
5105	473.9	40S RIBOSOMAL PROTEIN S8.	swissprot O14049	Translation, ribosomal structure and biogenesis
5106	473.1	PUTATIVE NADH- DEPENDENT FLAVIN OXIDOREDUCTASE.	sptrembl O94467	Energy production and conversion
5107	473.1	60S RIBOSOMAL PROTEIN L14-A.	swissprot P36105	Translation, ribosomal structure and biogenesis
5108	472.4	ACTIN-BINDING PROTEIN 134 aa, chain A	pdb 1QPV	ND
5109	472.3	CHOLINE TRANSPORT PROTEIN.	swissprot P19807	Amino acid transport and metabolism
5110	470.8	HYPOTHETICAL 137.8 KD PROTEIN C2F12.05C IN CHROMOSOME II.	sptrembl O14340	ND
5111	470.8	HYPOTHETICAL 98.4 KD PROTEIN C24H6.13 IN CHROMOSOME I.	swissprot Q09766	ND
5112	470.4	CYTOCHROME P450.	sptrembl O13490	ND
5113	470.3	IGE-BINDING PROTEIN (FRAGMENT).	sptrembl O60025	ND
5114	470.3	L-SERINE DEHYDRATASE (EC 4.2.1.13) (L-SERINE DEAMINASE).	swissprot P17324	Amino acid transport and metabolism
5115	470.2	PUTATIVE SNRNP SPLICING FACTOR.	sptrembl O74499	ND
5116	469.8	NADH-UBIQUINONE OXIDOREDUCTASE 9.5 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-9.5KD) (CI-9.5) (UBIQUINONE-	swissprot P42117	ND

		BINDING PROTEIN).		
5117	469.2	HYPOTHETICAL 37.2 KD PROTEIN YOR007C.	sptrembl Q12118	ND
5118	468.6	HT-1080 PROTEIN.	sptrembl O75794	ND
5119	468.5	3-PHYTASE B PRECURSOR (EC 3.1.3.8) (MYO-INOSITOL-HEXAPHOSPHATE 3-PHOSPHOHYDROLASE B) (3 PHYTASE B) (MYO-INOSITOL HEXAKISPHOSPHATE PHOSPHOHYDROLASE B).	swissprot P34754	ND
5120	467.2	GLYCINE-RICH RNA-BINDING PROTEIN (FRAGMENT).	sptrembl Q39105	ND
5121	466.7	HYPOTHETICAL 24.5 KD PROTEIN IN PTA-FOLX INTERGENIC REGION.	swissprot P77526	Posttranslational modification, protein turnover, chaperones
5122	466.2	TRANSFERASE 196 aa	pdb 1UKZ	Nucleotide transport
5123	465.8	HYPOTHETICAL 48.7 KD PROTEIN.	sptrembl O74498	ND
5124	465.4	U6 SNRNA-ASSOCIATED SM-LIKE PROTEIN LSM6.	tremblnew AAD56230	ND
5125	465.4	PUTATIVE DEHYDROGENASE.	sptrembl O88068	ND
5126	464.8	3-OXOACYL-[ACYL-CARRIER-PROTEIN]-SYNTHASE.	sptrembl O94297	Lipid metabolism
5127	464.4	PROFILIN.	swissprot P39825	ND
5128	463.7	HYPOTHETICAL 43.0 KD PROTEIN C8A4.09C IN CHROMOSOME I.	swissprot Q09885	ND
5129	462.9	PUTATIVE G-PROTEIN.	sptrembl O08582	ND
5130	462.4	PUTATIVE SECRETED LIPASE.	tremblnew CAB50950	ND
5131	462.4	FLAVONOID 3',5'-HYDROXYLASE (EC 1.14.-.-) (F3'5'H) (CYTOCHROME P450 75A4).	swissprot Q96581	ND
5132	462.3	B SUBUNIT OF PROPIONYL-COA CARBOXYLASE.	sptrembl P94970	Lipid metabolism
5133	462.1	SUCCINATE-SEMIALDEHYDE DEHYDROGENASE [NADP+] (EC 1.2.1.16) (SSDH).	swissprot P25526	Energy production and conversion
5134	461.6	EXO-POLYGALACTURONASE.	tremblnew AAF05088	ND
5135	461.3	QUINATE PERMEASE (QUINATE TRANSPORTER).	swissprot P15325	ND
5136	461.0	MITOCHONDRIAL RNA SPLICING PROTEIN MSR4.	swissprot P23500	ND
5137	460.8	60S RIBOSOMAL PROTEIN	tremblnew	ND

		L28.	CAA22600	
5138	460.5	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9WZQ7	ND
5139	460.4	CHITIN SYNTHASE 3 (EC . 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE 3) (CLASS- III CHITIN SYNTHASE 3).	swissprot P30602	ND
5140	459.0	CHROMOSOME XV READING FRAME ORF YOL092W.	sptrembl Q12010	ND
5141	458.9	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB52741	ND
5142	458.8	CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).	swissprot P87072	ND
5143	458.6	A.niger pyruvate kinase.	geneseqp R13247	ND
5144	458.2	CHROMOSOME XV READING FRAME ORF YOL119C.	sptrembl Q08268	ND
5145	456.7	DNA LIGASE I (EC 6.5.1.1) (POLYDEOXYRIBONUCLEO TIDE SYNTHASE [ATP]).	swissprot P37913	ND
5146	456.1	TROPOMYOSIN 2.	swissprot P40414	ND
5147	455.8	60S RIBOSOMAL PROTEIN L34-B.	swissprot P40525	Translation, ribosomal structure and biogenesis
5148	455.6	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y784	ND
5149	454.5	HYPOTHETICAL 22.0 KD PROTEIN IN FOX3-UBP7 INTERGENIC REGION.	swissprot P40452	ND
5150	454.3	HYPOTHETICAL 86.9 KD PROTEIN (FRAGMENT).	tremblnew CAB55332	ND
5151	454.3	CHROMOSOME XV READING FRAME ORF YOR049C.	sptrembl Q08417	ND
5152	454.0	HYPOTHETICAL 41.6 KD PROTEIN.	sptrembl O94305	ND
5153	453.3	HYPOTHETICAL 27.9 KD PROTEIN C20F10.10 IN CHROMOSOME II.	sptrembl O42979	ND
5154	453.0	PUTATIVE MEMBRANE TRANSPORT PROTEIN.	sptrembl O74923	ND
5155	452.5	PIM1 GTPASE PROTEIN.	tremblnew CAB60670	ND
5156	452.2	SIMILAR TO S. CEREVISIAE YHR110P.	sptrembl Q05359	ND
5157	451.4	Human actVA-ORF4-like protein sequence.	geneseqp Y14147	ND
5158	451.1	CSK2B.	tremblnew AAF03911	ND
5159	450.8	26S PROTEASE REGULATORY SUBUNIT 4	tremblnew CAB58406	ND

		HOMOLOG.		
5160	450.5	HYPOTHETICAL 83.7 KD PROTEIN.	sptrembl O13853	ND
5161	450.3	Mortierella alpina cytochrome b5.	geneseqp W22848	ND
5162	450.1	NUCLEAR DISTRIBUTION PROTEIN NUDE.	sptrembl O74689	ND
5163	449.9	60S RIBOSOMAL PROTEIN L2, MITOCHONDRIAL PRECURSOR (YML2) (YMR6).	swissprot P12687	Translation, ribosomal structure and biogenesis
5164	448.7	HYPOTHETICAL 157.7 KD PROTEIN C2F7.16C IN CHROMOSOME I.	swissprot Q09706	ND
5165	448.1	NODULIN PRECURSOR.	sptrembl Q41402	ND
5166	447.5	HYPOTHETICAL 15.3 KD PROTEIN.	tremblnew CAB57336	Posttranslational modification, protein turnover, chaperones
5167	447.1	PROBABLE ATP-DEPENDENT PERMEASE YHL035C.	swissprot P38735	ND
5168	446.6	TRANSCRIPTIONAL REPRESSOR TUP1.	sptrembl O76734	ND
5169	446.3	PUTATIVE TRANSPORTER.	tremblnew CAB63540	ND
5170	445.6	CUTINASE TRANSCRIPTION FACTOR 1 ALPHA.	swissprot P52958	ND
5171	444.9	PUTATIVE DEHYDROGENASE.	sptrembl O88068	ND
5172	444.5	NADH-DEPENDENT FLAVIN OXIDOREDUCTASE, PUTATIVE.	tremblnew AAF11740	ND
5173	444.4	DIMETHYL-ALLYL-TRYPTPHAN-SYNTHASE.	sptrembl O94204	ND
5174	444.3	PUTATIVE TRANSPORTER YBL042C.	swissprot P38196	Coenzyme metabolism
5175	444.3	HYPOTHETICAL 45.0 KD PROTEIN IN PIS1-CLB2 INTERGENIC REGION.	swissprot Q06489	ND
5176	442.9	RASP F 7 (FRAGMENT).	sptrembl O42799	ND
5177	441.8	HYPOTHETICAL 18.5 KD PROTEIN.	tremblnew CAB11189	ND
5178	441.8	PUTATIVE CELL WALL PROTEIN.	sptrembl O74708	ND
5179	441.2	HYPOTHETICAL 55.5 KD PROTEIN C17A2.05 IN CHROMOSOME I.	sptrembl O13755	Energy production and conversion
5180	440.6	GABA PERMEASE.	sptrembl Q9Y860	ND
5181	440.2	ALCOHOL DEHYDROGENASE I (EC 1.1.1.1).	swissprot P00330	ND
5182	440.2	NADH-UBIQUINONE OXIDOREDUCTASE 29.9 KD SUBUNIT PRECURSOR (EC	swissprot P24919	ND

		1.6.5.3) (EC 1.6.99.3) (COMPLEX I-29.9KD) (CI- 29.9KD).		
5183	440.2	HYPOTHETICAL 15.9 KD PROTEIN.	tremblnew CAB52421	ND
5184	440.0	PUTATIVE SMALL NUCLEAR RIBONUCLEOPROTEIN E.	tremblnew CAB59808	Transcription
5185	439.2	T7I23.15 PROTEIN.	sptrembl O81909	ND
5186	438.8	NADH:UBIQUINONE OXIDOREDUCTASE (NADH DEHYDROGENASE),14 KDA (FRAGMENT).	sptrembl Q01407	ND
5187	438.3	H04M03.4 PROTEIN.	tremblnew AAD12787	Coenzyme metabolism
5188	4363.7	PYRUVATE DECARBOXYLASE.	sptrembl O94185	Coenzyme metabolism
5189	436.4	QUEUEINE TRNA- RIBOSYLTRANSFERASE (EC 2.4.2.29) (TRNA- GUANINE TRANSGLYCOSYLASE) (GUANINE INSERTION ENZYME).	swissprot P54578	ND
5190	436.2	DICARBOXYLIC AMINO ACID PERMEASE.	swissprot P53388	Amino acid transport and metabolism
5191	435.9	PEROXISOMAL TARGETING SIGNAL RECEPTOR (PEROXISOMAL PROTEIN PAY32) (PEROXIN-5) (PTS1 RECEPTOR).	swissprot Q99144	ND
5192	435.7	NUCLEAR AND CYTOPLASMIC POLYADENYLATED RNA- BINDING PROTEIN PUB1 (ARS CONSENSUS BINDING PROTEIN ACBP-60) (POLY(U)-BINDING PROTEIN) (POLY URIDYLATE-BINDING PROTEIN).	swissprot P32588	Transcription
5193	435.5	60S RIBOSOMAL PROTEIN L36-A (L39A) (YL39).	swissprot P05745	ND
5194	434.2	URACIL PERMEASE.	swissprot Q10279	ND
5195	433.3	PHOSPHORUS ACQUISITION CONTROLLING PROTEIN.	swissprot P20824	ND
5196	433.0	HYPOTHETICAL 34.2 KD PROTEIN C31F10.07 IN CHROMOSOME II.	sptrembl P87308	ND
5197	431.3	NIPSNAP1 PROTEIN (FRAGMENT).	tremblnew CAB56701	ND
5198	431.0	HYPOTHETICAL 23.0 KD PROTEIN C3F10.12C IN CHROMOSOME I.	swissprot Q10186	ND

5199	430.2	CARNITINE/ACYL CARNITINE CARRIER.	sptrembl Q9Y7G4	ND
5200	429.9	RNA-BINDING PROTEIN AXRNP.	sptrembl O93465	ND
5201	429.2	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl O94380	ND
5202	428.5	PUTATIVE 60S RIBOSOMAL PROTEIN L7/L12.	tremblnew CAB60683	Translation, ribosomal structure and biogenesis
5203	428.1	PUTATIVE SNRNP PROTEIN.	tremblnew CAB45810	ND
5204	426.3	ATP SYNTHASE F CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissprot Q06405	ND
5205	426.1	Human adult testis secreted protein ck181_7.	geneseqp W81998	ND
5206	425.3	ORIGIN RECOGNITION COMPLEX SUBUNIT 4- RELATED PROTEIN ORP4P.	sptrembl Q9Y794	ND
5207	424.9	HYDROPHOBIN PRECURSOR.	sptrembl O13503	ND
5208	424.5	MLO3 PROTEIN.	swissnew Q09330	ND
5209	424.2	MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM22 (MITOCHONDRIAL 22 KD OUTER MEMBRANE PROTEIN) (MOM22 PROTEIN) (TRANSLOCASE OF OUTER MEMBRANE 22 KD SUBUNIT).	swissprot Q07335	ND
5210	424.1	Aminopeptidase.	geneseqp W05589	ND
5212	423.4	Ubiquitin-like domain of the yeast protein SMT3.	geneseqp W87987	ND
5213	422.4	PUTATIVE LIPASE.	sptrembl Q9Z360	ND
5214	421.9	ALP11 PROTEIN.	swissprot Q10235	ND
5215	421.7	HYPOTHETICAL 17.1 KD PROTEIN IN SAH1-ME14 INTERGENIC REGION.	swissprot P40030	ND
5216	421.1	ACTIN-LIKE PROTEIN.	tremblnew CAB65803	ND
5217	420.9	DEOXYRIBOSE- PHOSPHATE ALDOLASE (EC 4.1.2.4) (PHOSPHODEOXYRIBOALD OLASE) (DEOXYRIBOALDOLASE).	swissprot P44430	Nucleotide transport
5218	420.3	PUTATIVE FRUCTOSE-1,6- BISPHOSPHATASE (EC 3.1.3.11).	tremblnew CAB64834	Carbohydrate transport and metabolism
5219	420.3	DNA REPAIR HELICASE RAD3.	swissprot P06839	DNA replication, recombination and repair
5220	420.2	ARYLSULFATASE (EC 3.1.6.1) (ARYL-SULFATE SULPHOHYDROLASE).	swissprot P51691	ND

5221	420.0	PHOSPHORIBOSYLFORMYLGLYCINAMIDINE SYNTHASE (EC 6.3.5.3) (FGAM SYNTHASE) (FORMYLGLYCINAMIDE RIBOTIDE AMIDOTRANSFERASE) (FGARAT).	swissprot P38972	Nucleotide transport
5222	419.6	ATP-DEPENDENT BILE ACID PERMEASE.	swissprot P32386	ND
5223	419.6	HYPOTHETICAL 61.1 KD PROTEIN C11D3.05 IN CHROMOSOME I.	swissprot Q10084	ND
5224	419.5	GABA PERMEASE.	sptrembl Q9Y860	ND
5225	417.7	Human transmembrane protein, HP01737.	geneseqp Y13942	ND
5226	417.6	MEMBRANE ASSOCIATED PROTEIN SLP-2.	tremblnew AAF09142	ND
5227	416.9	SUPL15H.	tremblnew BAA78781	ND
5228	416.7	PISATIN DEMETHYLASE (EC 1.14.-.-) (CYTOCHROME P450 57A2).	swissprot P38364	ND
5229	416.5	PUTATIVE PROTEIN FARNESYLTRANSFERASE BETA SUBUNIT (EC 2.5.1.-) (CAAX FARNESYLTRANSFERASE BETA SUBUNIT) (RAS PROTEINS PRENYLTRANSFERASE) (FTASE-BETA).	sptrembl O13782	ND
5230	416.0	HYPOTHETICAL 15.4 KD PROTEIN C10F6.16 IN CHROMOSOME I.	sptrembl P79058	ND
5231	413.9	PROBABLE 40S RIBOSOMAL PROTEIN S9, MITOCHONDRIAL PRECURSOR.	swissprot P38120	Translation, ribosomal structure and biogenesis
5232	413.7	CHROMOSOME IV READING FRAME ORF YDL237W.	sptrembl Q07716	ND
5233	412.4	PUTATIVE AROMATIC AMINO ACID AMINOTRANSFERASE C56E4.03 (EC 2.6.1.-).	sptrembl O14192	Amino acid transport and metabolism
5234	412.3	HYPOTHETICAL 143.0 KD PROTEIN C11E3.02C IN CHROMOSOME I.	swissprot O13683	ND
5235	412.3	PUTATIVE GLYCEROL-3-PHOSPHATE DEHYDROGENASE.	tremblnew AAF02807	ND
5236	411.8	P. putida R-(-)-mandelate monooxygenase protein.	geneseqp W53916	ND
5237	411.7	PUTATIVE PHOSPHOADENOSINE	swissprot Q10270	Coenzyme metabolism

		PHOSPHOSULFATE REDUCTASE (EC 1.8.99.4) (PAPS REDUCTASE, THIOREDOXIN DEPENDENT) (PADOPS REDUCTASE) (3'- PHOSPHOADENYLYLSULF ATE REDUCTASE).		
5238	411.6	RP42.	tremblnew AAF04863	ND
5239	411.4	CYTOCHROME C OXIDASE ASSEMBLY PROTEIN COX15.	swissprot P40086	Posttranslational modification, protein turnover, chaperones
5240	409.9	N AMINO ACID TRANSPORT SYSTEM PROTEIN (METHYLTRYPTOPHAN RESISTANCE PROTEIN).	swissprot P38680	ND
5241	409.8	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y786	ND
5242	409.7	CAT5 PROTEIN (UBIQUINONE BIOSYNTHESIS PROTEIN COQ7).	swissprot P41735	ND
5243	409.4	PUTATIVE D-AMINO ACID OXIDASE.	sptrembl Q9Y7N4	ND
5244	409.0	HIGH MOBILITY GROUP- LIKE NUCLEAR PROTEIN 2.	swissprot P32495	Translation, ribosomal structure and biogenesis
5245	408.2	PYRROLINE-5- CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE).	swissprot P22008	ND
5246	408.2	PXP-18.	tremblnew BAA85152	ND
5247	407.9	TRNA ISOPENTENYLTRANSFERA SE.	tremblnew CAB52278	ND
5248	407.6	HYPOTHETICAL 56.2 KD PROTEIN IN ERG8-UBP8 INTERGENIC REGION.	swissprot Q04991	ND
5249	406.1	TIG11.14 PROTEIN.	sptrembl O23024	ND
5250	405.9	PHOSPHOETHANOLAMINE CYTIDYLYLTRANSFERASE.	sptrembl Q99447	ND
5251	405.0	C-1-TETRAHYDROFOLATE SYNTHASE, CYTOPLASMIC (C1-THF SYNTHASE) [INCLUDES: METHYLENETETRAHYDRO FOLATE DEHYDROGENASE (EC 1.5.1.5); METHENYLTETRAHYDROF OLATE CYCLOHYDROLASE (EC 3.5.4.9); FORMYLTETRAHYDROFOL	swissprot P07245	Coenzyme metabolism

		ATE SYNTHETASE (EC 6.3.4.3)].		
5252	405.0	PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE).	swissprot Q12740	ND
5253	404.6	HYPOTHETICAL 52.3 KD PROTEIN IN MRPL10-ERG24 INTERGENIC REGION PRECURSOR.	swissprot P53832	ND
5254	404.4	SUGAR TRANSPORTER STL1.	swissprot P39932	ND
5255	404.1	PUTATIVE RHO GDP-DISSOCIATION INHIBITOR (RHO GDI).	sptrembl O14224	ND
5256	403.0	PUTATIVE TRANSPORTER.	tremblnew CAB63540	ND
5257	402.7	DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (EC 2.7.7.6) (A135) (RNA POLYMERASE I SUBUNIT 2).	swissprot P22138	Transcription
5258	402.1	RIBOSOMAL PROTEIN S30.	sptrembl O14314	ND
5259	400.7	HYPOTHETICAL 56.8 KD PROTEIN IN SCJ1-GUA1 INTERGENIC REGION PRECURSOR.	swissprot Q03655	ND
5260	400.0	SRC HOMOLOG 3 DOMAIN-CONTAINING PROTEIN HIP-55.	tremblnew AAF13701	ND
5261	397.2	TRANSMEMBRANE TRANSPORTER LIZ1P.	sptrembl O43000	ND
5262	397.1	ORNITHINE AMINOTRANSFERASE (EC 2.6.1.13) (ORNITHINE--OXO-ACID AMINOTRANSFERASE).	swissprot Q92413	ND
5263	395.9	UNC-50 RELATED PROTEIN.	sptrembl O55227	ND
5264	395.8	UBIQUITIN FUSION DEGRADATION PROTEIN 1 (UB FUSION PROTEIN 1) (POLYMERASE-INTERACTING PROTEIN 3).	swissprot P53044	ND
5265	395.3	KINESIN-LIKE DNA BINDING PROTEIN.	sptrembl Q14807	ND
5266	395.0	L-A VIRUS GAG PROTEIN N-ACETYLTRANSFERASE (EC 2.3.1.-).	swissprot Q03503	ND
5267	394.4	DICARBOXYLIC AMINO ACID PERMEASE.	swissprot P53388	ND
5268	393.9	KREV-1 PROTEIN.	sptrembl O74112	ND
5269	393.9	Wheat glutathione transferase subunit TaGST1.	geneseqp Y05537	ND
5270	393.2	HYPOTHETICAL 26.6 KD PROTEIN.	sptrembl P75897	ND
5271	393.0	HYPOTHETICAL 85.7 KD	sptrembl P87109	ND

5295	386.3	CURVED DNA-BINDING PROTEIN (42 KD PROTEIN).	swissprot Q09184	ND
5296	385.8	THIOREDOXIN.	swissprot P42115	ND
5297	385.6	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
5298	385.6	CYTOCHROME P450-CC24, MITOCHONDRIAL PRECURSOR (EC 1.14.-.-) (P450- CC24) (VITAMIN D(3) 24-HYDROXYLASE) (1,25-DIHYDROXYVITAMIN D(3) 24- HYDROXYLASE) (24-OHASE).	swissprot Q64441	ND
5299	385.2	ORF YPL152W.	sptrembl Q12461	ND
5300	384.6	CAMP-DEPENDENT PROTEIN KINASE SCH9 (EC 2.7.1.37).	swissprot P11792	Signal transduction mechanisms
5301	384.6	F7F22.17.	tremblnew AAF24531	ND
5302	384.3	SUGAR TRANSPORTER, PUTATIVE.	tremblnew AAF12486	ND
5303	384.0	PROTEIN KINASE SKP1P.	sptrembl O94456	ND
5304	383.6	HYPOTHETICAL 15.0 KD PROTEIN C23C4.09C IN CHROMOSOME I.	swissnew O13929	ND
5305	382.9	AMINOMETHYLTRANSFER ASE PRECURSOR (EC 2.1.2.10) (GLYCINE CLEAVAGE SYSTEM T PROTEIN).	swissprot P48015	Amino acid transport and metabolism
5306	382.3	COLLETOTRICHUM GLOEOSPORIODES NITROGEN STARVATION-INDUCED GLUTAMINE RICH PROTEIN.	sptrembl O43117	ND
5307	382.2	PUTATIVE IMPORTIN BETA-4 SUBUNIT (KARYOPHERIN BETA-4 SUBUNIT).	swissprot O60100	ND
5308	381.6	TRNA LIGASE (EC 6.5.1.3).	swissprot P09880	ND
5309	381.1	PEROXISOMAL MEMBRANE PROTEIN PAS20 (PEROXIN-13).	swissprot P80667	ND
5310	380.9	HYPOTHETICAL 39.0 KD PROTEIN.	tremblnew CAA22566	ND
5312	380.4	CHROMOSOME XV READING FRAME ORF YOL060C.	sptrembl Q12296	ND
5313	380.2	HYPOTHETICAL 65.5 KD PROTEIN.	sptrembl O74441	ND
5314	379.6	FADE13.	sptrembl O86319	Lipid metabolism
5315	379.5	HYPOTHETICAL 74.5 KD PROTEIN C4H3.03C IN CHROMOSOME I.	swissprot Q10211	ND
5316	379.1	PROBABLE	swissprot Q12608	ND

		STERIGMATOCYSTIN BIOSYNTHESIS P450 MONOOXYGENASE STCB (EC 1.14.-.-) (CYTOCHROME P450 62).		
5317	379.1	DJ69E11.3 (YEAST YPR037W AND WORM C02C2.6 PREDICTED PROTEINS LIKE).	sptrembl O75663	ND
5318	379.0	MRNA, PARTIAL CDS, SIMILAR TO HUMAN GA17 PROTEIN (FRAGMENT).	tremblnew BAA31742	ND
5319	378.9	COATOMER COMPLEX COPI DELTA-COP SUBUNIT (FRAGMENT).	tremblnew AAF14250	ND
5320	378.7	PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE).	swissprot P22008	ND
5321	378.1	HYPOTHETICAL 58.0 KD PROTEIN C1672.03C IN CHROMOSOME III.	swissnew O14057	ND
5322	377.9	ADENYLOSUCCINATE LYASE (EC 4.3.2.2) (ADENYLOSUCCINASE) (ASL).	swissprot Q05911	ND
5323	377.9	SYG1 PROTEIN.	swissprot P40528	ND
5324	377.7	HYPOTHETICAL 31.3 KD PROTEIN.	sptrembl P72926	ND
5325	377.5	PEPTIDE TRANSPORTER PTR2 (PEPTIDE PERMEASE PTR2).	swissprot P32901	ND
5326	377.5	6-HYDROXY-D-NICOTINE OXIDASE (EC 1.5.3.6) (6-HDNO).	swissprot P08159	ND
5327	375.6	KIAA0770 PROTEIN (FRAGMENT).	sptrembl O94869	ND
5328	375.5	CHROMOSOME XII COSMID 8039.	sptrembl Q05924	ND
5329	374.9	PUTATIVE TRANSCRIPTIONAL REGULATION PROTEIN, TRP-ASP REPEAT CONTAINING.	sptrembl O74863	ND
5330	374.2	HYPOTHETICAL 10.4 KD PROTEIN.	sptrembl O43002	ND
5331	373.6	F16M14.11 PROTEIN.	sptrembl O80443	ND
5332	373.2	Human actVA-ORF4-like protein sequence.	geneseqp Y14147	ND
5333	372.8	HYPOTHETICAL 83.8 KD PROTEIN.	tremblnew CAB66097	ND
5334	372.5	HYPOTHETICAL 50.5 KD PROTEIN IN RNA1-RNT1 INTERGENIC REGION.	swissprot Q05031	ND
5335	371.7	POTASSIUM TRANSPORTER.	sptrembl Q9Y7B9	ND
5336	371.6	HYPOTHETICAL 63.9 KD	sptrembl O13899	ND

		PROTEIN C22A12.08C IN CHROMOSOME I.		
5337	370.8	RD PROTEIN.	swissnew P18615	ND
5338	370.6	PUTATIVE CHORISMATE MUTASE/PREPHENATE DEHYDRATASE PHEA.	tremblnew AAF06690	ND
5339	370.2	MULTIDRUG RESISTANCE PROTEIN HOMOLOG 50 (P-GLYCOPROTEIN 50).	swissprot Q00449	ND
5340	369.5	CHOLINE TRANSPORT PROTEIN.	swissprot P19807	Amino acid transport and metabolism
5341	369.0	Humicola lanuginosa lipase type II variant.	geneseqp R22635	ND
5342	368.8	RIBOSOMAL PROTEIN S31 HOMOLOG.	sptrembl O74172	ND
5343	368.1	PUTATIVE ATP-DEPENDENT DNA HELICASE.	sptrembl O94395	ND
5344	367.8	30 KD HEAT SHOCK PROTEIN.	swissprot P40920	ND
5345	367.8	PUTATIVE SYNTAXIN.	tremblnew CAB58411	ND
5346	367.7	60S RIBOSOMAL PROTEIN L32 PRECURSOR.	sptrembl O94379	ND
5347	367.7	DNA POLYMERASE ALPHA SUBUNIT B (P86 SUBUNIT).	swissprot P38121	ND
5348	367.5	HYPOTHETICAL 61.3 KD PROTEIN IN PMP2-VAC8 INTERGENIC REGION.	swissprot P39998	ND
5349	367.5	CAMP-REGULATED GUANINE NUCLEOTIDE EXCHANGE FACTOR I.	sptrembl O95634	ND
5350	367.1	CHROMOSOME XV READING FRAME ORF YOL119C.	sptrembl Q08268	ND
5351	365.9	HYPOTHETICAL 36.8 KD PROTEIN C26A3.16 IN CHROMOSOME I.	swissprot Q10169	ND
5352	365.1	C01B4.6 PROTEIN.	tremblnew AAD14698	ND
5353	364.7	PROBABLE CYTOCHROME C OXIDASE POLYPEPTIDE VIA PRECURSOR (EC 1.9.3.1).	swissprot O74471	ND
5354	3632.3	ALPHA-AMYLASE A PRECURSOR (EC 3.2.1.1) (TAKA-AMYLASE A) (TAA) (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE).	swissprot P10529	ND
5355	363.7	Mus musculus Tub Interactor (mTI-3) protein.	geneseqp W59132	Posttranslational modification, protein turnover, chaperones
5356	363.6	PROBABLE SUCCINYL-COA LIGASE [GDP-FORMING] ALPHA-CHAIN,	swissprot O13750	ND

		MITOCHONDRIAL PRECURSOR (EC 6.2.1.4) (SUCCINYL-COA SYNTHETASE, ALPHA CHAIN) (SCS- ALPHA).		
5357	363.5	HYPOTHETICAL 55.5 KD PROTEIN C17A2.05 IN CHROMOSOME I.	sptrembl O13755	ND
5358	362.4	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y786	ND
5359	361.9	PHO85P,LPH16P.	sptrembl Q02979	ND
5360	361.6	PUTATIVE MITOCHONDRIAL CARRIER C29A3.11C.	sptrembl O59674	ND
5361	361.6	RHO3 PROTEIN.	swissprot Q00245	ND
5362	361.2	FRNE PROTEIN.	tremblnew AAF10238	ND
5363	361.0	NICOTINATE- NUCLEOTIDE PYROPHOSPHORYLASE [CARBOXYLATING] (EC 2.4.2.19) (QUINOLINATE PHOSPHORIBOSYLTRANSF ERASE [DECARBOXYLATING]) (QAPRTASE).	swissprot Q15274	ND
5364	360.9	U1 SMALL NUCLEAR RIBONUCLEOPROTEIN C (U1-C).	swissprot P09234	ND
5365	360.6	HYPOTHETICAL 108.5 KD PROTEIN IN UME3-HDA1 INTERGENIC REGION.	swissprot P53971	ND
5366	360.0	ELONGATION FACTOR 1- GAMMA TYPE 2 (EF-1- GAMMA) (P47).	swissprot Q91375	ND
5367	359.9	HYPOTHETICAL 130.3 KD PROTEIN.	sptrembl O59742	ND
5368	358.2	HYPOTHETICAL 24.7 KD PROTEIN C3A12.04C IN CHROMOSOME I.	swissprot P87120	ND
5369	358.0	PUTATIVE TRANSFERASE.	sptrembl O53185	ND
5370	357.4	60S RIBOSOMAL PROTEIN L38.	tremblnew CAB54810	ND
5371	357.1	Aluminium resistance gene ALR2.	geneseqp W07873	ND
5372	356.5	ARYL-ALCOHOL OXIDASE PRECURSOR (EC 1.1.3.7).	sptrembl O94219	ND
5373	355.1.3	Aspergillus oryzae protease PepC.	geneseqp W31629	Posttranslational modification, protein turnover, chaperones
5374	355.9	HYPOTHETICAL 35.9 KD PROTEIN C17G6.02C IN CHROMOSOME I.	sptrembl O13780	ND
5375	354.1	HYPOTHETICAL 26.3 KD PROTEIN C3G6.03C IN CHROMOSOME I.	sptrembl O14141	ND

5376	353.8	PAD-1.	sptrembl Q9Y7A8	ND
5377	353.7	GRA-ORF6 PROTEIN.	tremblnew CAA09651	ND
5378	353.2	PUTATIVE STERIGMATOCYSTIN BIOSYNTHESIS DEHYDROGENASE STCV (EC 1.1.1.-).	swissprot Q00727	ND
5379	353.0	HYPOTHETICAL 22.6 KD PROTEIN C3G9.04 IN CHROMOSOME I.	sptrembl O42868	ND
5380	352.9	D-ARABINONO-1,4- LACTONE OXIDASE (EC 1.1.3.24).	sptrembl O93852	ND
5381	352.8	HEAT SHOCK PROTEIN 70.	sptrembl O42808	ND
5382	352.0	PUTATIVE 40S RIBOSOMAL PROTEIN YNR037C.	swissprot P53733	ND
5383	351.2	TRANSLIN.	swissprot P79769	ND
5384	351.0	GPI-ANCHOR TRANSAMIDASE (EC 3.-.-.-).	swissprot P49018	ND
5385	350.9	PUTATIVE ACETYLTRANSFERASE IN HXT11-HXT8 INTERGENIC REGION (EC 2.3.1.-).	swissprot P40892	ND
5386	350.6	THIOESTERASE II.	sptrembl O15261	ND
5387	350.4	COLLETOTRICHUM GLOEOSPORIODES NITROGEN STARVATION- INDUCED GLUTAMINE RICH PROTEIN.	sptrembl O43117	ND
5388	349.9	NADH-UBIQUINONE OXIDOREDUCTASE 17.8 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-17.8KD) (CI- 17.8KD).	swissprot P42116	ND
5389	349.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5390	348.7	WD-40 REPEAT PROTEIN.	tremblnew BAA75544	ND
5391	348.6	CYTOCHROME P450 10 (EC 1.14.-.-) (CYPX).	swissprot P48416	ND
5392	347.2	HYPOTHETICAL 16.7 KD PROTEIN IN CDC5-MVP1 INTERGENIC REGION.	swissprot Q03667	ND
5393	347.2	POTASSIUM TRANSPORT PROTEIN, HIGH-AFFINITY.	swissprot P28569	ND
5394	347.2	SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN HOMOLOG (SRP72).	swissprot P38688	ND
5395	347.0	HYPOTHETICAL 49.2 KD PROTEIN.	sptrembl O69515	ND
5396	346.4	FISSION YEAST.	sptrembl P78794	ND
5397	346.3	HYPOTHETICAL 37.0 KD	sptrembl	ND

		PROTEIN (FRAGMENT).	Q9Y3V5	
5398	346.1	HYPOTHETICAL 33.9 KD PROTEIN CY13D12.11.	sptrembl P72043	ND
5399	345.1	CHROMOSOME XV READING FRAME ORF YOR052C.	sptrembl Q08422	ND
5400	344.0	POTENTIAL MEMBRANE PROTEIN.	sptrembl O94006	ND
5401	343.9	NPGAP.	sptrembl Q9Y7C5	ND
5402	343.8	HYPOTHETICAL 26.5 KD PROTEIN.	tremblnew AAF18285	ND
5403	343.4	GABA PERMEASE.	sptrembl Q9Y860	ND
5404	342.8	SIMILAR TO SDH4P.	sptrembl Q06236	ND
5405	342.7	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
5406	342.6	SCD1 PROTEIN.	swissprot P40995	ND
5407	342.5	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5408	341.9	SRP1 PROTEIN.	swissprot Q10193	ND
5409	341.7	RNA BINDING PROTEIN (FRAGMENT).	sptrembl O60176	ND
5410	340.9	P. membranaefaciens NADH kinase.	geneseqp W22341	ND
5411	340.5	SSU81 PROTEIN (SHO1 OSMOSENSOR).	swissprot P40073	ND
5412	340.0	HYPOTHETICAL 76.7 KD PROTEIN.	sptrembl Q12753	ND
5413	338.2	PUTATIVE PROTEIN TRANSPORT PROTEIN SEC61 GAMMA SUBUNIT.	swissprot Q09827	ND
5414	337.9	ORF YDL161W.	sptrembl Q12518	ND
5415	336.8	MITOCHONDRIAL IMPORT INNER MEMBRANE TRANSLOCASE SUBUNIT TIM17 (MITOCHONDRIAL PROTEIN IMPORT PROTEIN 2) (MITOCHONDRIAL INNER MEMBRANE PROTEIN MIM17).	swissprot P39515	ND
5416	335.8	HYPOTHETICAL 130.3 KD PROTEIN.	sptrembl O59742	ND
5417	335.7	CYTOCHROME P450 ALKANE HYDROXYLASE.	sptrembl Q9Y758	ND
5418	335.1	HYPOTHETICAL 34.3 KD PROTEIN.	tremblnew CAB40775	ND
5419	334.9	PUTATIVE POLYA- BINDING PROTEIN.	sptrembl O94430	ND
5420	334.6	SERINE/THREONINE- PROTEIN KINASE SSP1 (EC 2.7.1.-).	swissprot P50526	ND
5421	334.4	NUCLEAR POLYADENYLATED RNA- BINDING PROTEIN NAB2.	swissprot P32505	ND
5422	334.2	P68 RNA HELICASE.	sptrembl Q9XTP2	ND
5423	334.1	PUTATIVE EXOCYST	sptrembl O74846	ND

		COMPLEX COMPONENT.		
5424	332.2	CHROMOSOME XV READING FRAME ORF YOR359W.	sptrembl Q08831	ND
5425	331.9	PUTATIVE TRANSCRIPTION FACTOR TFIIB COMPONENT.	sptrembl O94481	ND
5426	331.7	REGULATORY PROTEIN.	sptrembl Q00170	ND
5427	331.0	W02A2.5 PROTEIN.	sptrembl Q9XUB4	ND
5428	329.9	HYPOTHETICAL 46.6 KD PROTEIN.	sptrembl O74477	ND
5429	329.3	CHOLINE TRANSPORT PROTEIN.	swissprot P19807	ND
5430	329.3	GLUCOSAMINE-6- PHOSPHATE DEAMINASE.	tremblnew AAD42233	ND
5431	329.1	Y38C9A.2 PROTEIN.	tremblnew AAD14761	ND
5432	329.1	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew AAF12184	ND
5433	329.1	PUTATIVE D-AMINO ACID OXIDASE.	sptrembl Q9Y7N4	ND
5434	329.0	HYPOTHETICAL 24.4 KD PROTEIN.	sptrembl O86620	ND
5435	328.7	AMINO-ACID PERMEASE.	tremblnew CAB60020	ND
5436	328.2	GIBBERELLIN 20- OXIDASE-ARABIDOPSIS THALIANA (EC 1.14.11.).	tremblnew CAB45519	ND
5437	325.2	OXONONANOATE SYNTHASE.	sptrembl Q9Z6L6	ND
5438	324.8	60S RIBOSOMAL PROTEIN.	sptrembl O74884	ND
5439	323.8	CERCOSPORIN RESISTANCE PROTEIN.	sptrembl Q9Y788	ND
5440	323.5	PUTATIVE TRP-ASP REPEAT PROTEIN.	tremblnew CAB52280	ND
5441	323.1	ALLANTOINASE (EC 3.5.2.5).	swissprot P32375	ND
5442	323.0	QUINATE PERMEASE (QUINATE TRANSPORTER).	swissprot P15325	ND
5443	321.9	SHY1 PROTEIN.	swissprot P53266	ND
5444	321.5	F15K9.5 PROTEIN.	sptrembl Q9ZVT6	ND
5445	320.7	DNA-DIRECTED RNA POLYMERASE II 19 KD POLYPEPTIDE (EC 2.7.7.6) (B16).	swissprot P34087	ND
5446	319.6	N-CARBAMYL-L-AMINO ACID AMIDOHYDROLASE (EC 3.5.1.-).	swissprot Q53389	ND
5447	318.9	SIMILAR TO YEAST SUR1 PROTEIN.	tremblnew CAB55770	ND
5448	318.4	CHROMOSOME XV READING FRAME ORF YOR267C.	sptrembl Q08732	ND
5449	317.1	PUTATIVE MAJOR FACILITATOR FAMILY	sptrembl O94343	ND

		MULTI-DRUG RESISTANCE PROTEIN.		
5450	316.7	F23C8.6 PROTEIN.	tremblnew AAD03134	ND
5451	316.6	SURFEIT LOCUS PROTEIN 4 HOMOLOG.	swissprot O74559	ND
5452	316.6	PUTATIVE TRANSLATION INITIATION FACTOR EIF-2B BETA SUBUNIT.	tremblnew CAB52277	ND
5453	315.7	HYPOTHETICAL 42.6 KD PROTEIN.	tremblnew CAB52800	ND
5454	315.6	VIP1 PROTEIN (P53 ANTIGEN HOMOLOG).	sptrembl P87216	ND
5455	314.2	HYPOTHETICAL 35.7 KD PROTEIN (FRAGMENT).	sptrembl Q9Y3V1	ND
5456	314.2	HIGH AFFINITY COPPER TRANSPORTER.	tremblnew CAB52305	ND
5457	314.1	Collagen-like polymer.	geneseqp W57645	ND
5458	314.1	HYPOTHETICAL 16.4 KD PROTEIN.	sptrembl Q9Z4W2	ND
5459	3135.5	ELONGATION FACTOR 3 (FRAGMENT).	sptrembl O42734	ND
5460	313.2	PROTEIN TYROSINE KINASE 9 (A6 PROTEIN TYROSINE KINASE HOMOLOG).	sptrembl O09132	ND
5461	311.9	CELL WALL PROTEIN.	sptrembl Q40336	ND
5462	311.1	DUAL SPECIFICITY PROTEIN PHOSPHATASE 1 (EC 3.1.3.48) (EC 3.1.3.16) (MAP KINASE PHOSPHATASE-1) (MPK-1) (MAP KINASE PHOSPHATASE-1) (FRAGMENT).	sptrembl O42253	ND
5464	311.0	WDR1 PROTEIN.	tremblnew AAD05045	ND
5465	310.9	RIBONUCLEASE H1.	sptrembl O00870	ND
5466	310.8	FRUCTOSYL AMINE.	sptrembl O43029	ND
5467	310.2	PROBABLE ATP-DEPENDENT RNA HELICASE P47 HOMOLOG.	swissprot Q07478	ND
5468	309.5	T25B24.3 PROTEIN.	tremblnew AAD25548	ND
5469	309.2	NON-CLASSICAL EXPORT PROTEIN NCE2.	swissprot Q12207	ND
5470	308.2	HYPOTHETICAL 40.5 KD PROTEIN IN UBP15-GAS1 INTERGENIC REGION PRECURSOR.	swissprot Q04951	ND
5471	306.7	DOPA DECARBOXYLASE ISOFORM 2 (EC 4.1.1.26).	sptrembl O61718	ND
5472	306.6	SUPPRESSOR PROTEIN MPT4 (STM1 PROTEIN) (GU4 NUCLEIC-BINDING PROTEIN 2) (G4P2	swissprot P39015	ND

		PROTEIN).		
5473	306.5	TRANSACTIVATING PROTEIN BRIDGE.	sptrembl Q9WTV5	ND
5474	306.4	Candida albicans KRE9.	geneseqp Y24918	ND
5475	306.3	GLYCEROL-3-PHOSPHATE DEHYDROGENASE (NAD(P)+).	sptrembl O94310	ND
5476	306.0	HYPOTHETICAL 76.7 KD PROTEIN IN SPO1-SIS1 INTERGENIC REGION.	swissprot P53983	ND
5477	304.5	PUTATIVE ACYL-COA DEHYDROGENASE.	tremblnew CAB46788	ND
5478	304.4	HYPOTHETICAL 63.2 KD PROTEIN.	sptrembl O59725	ND
5479	304.4	HYPOTHETICAL 26.5 KD PROTEIN.	tremblnew CAB46672	ND
5480	304.2	Aluminium resistance gene ALR2.	geneseqp W07873	ND
5481	304.0	HYPOTHETICAL 39.0 KD PROTEIN IN GLNQ-ANSR INTERGENIC REGION.	swissprot P54564	ND
5482	303.9	MYOSIN-2 ISOFORM.	swissprot P19524	ND
5483	303.8	GRPE PROTEIN HOMOLOG PRECURSOR.	swissnew O43047	ND
5484	303.7	ENOYL REDUCTASE.	sptrembl Q9Y7D0	ND
5485	303.5	FISSION YEAST (FRAGMENT).	sptrembl P78815	ND
5486	303.2	HEMOLYSIN.	sptrembl Q00050	ND
5487	303.1	POBIP PROTEIN.	sptrembl O74653	ND
5488	303.1	HYPOTHETICAL 89.0 KD PROTEIN.	sptrembl O43023	ND
5489	302.5	PUTATIVE ADAPTOR PROTEIN.	tremblnew CAB59686	ND
5490	302.4	HYPOTHETICAL 31.5 KD PROTEIN.	sptrembl O14443	ND
5491	302.3	HYPOTHETICAL 19.4 KD PROTEIN IN TSM1-ARE1 INTERGENIC REGION.	swissprot P25626	ND
5492	301.5	HYPOTHETICAL C2H2 ZINC FINGER PROTEIN.	sptrembl Q9Y815	ND
5493	301.5	HYPOTHETICAL 16.1 KD PROTEIN.	sptrembl O74847	ND
5494	300.6	HYDROXYMETHYLGLUTA RYL-COA SYNTHASE (EC 4.1.3.5) (HMG-COA SYNTHASE) (3-HYDROXY- 3-METHYLGLUTARYL COENZYME A SYNTHASE).	swissprot P54874	ND
5495	300.3	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
5496	2991.7	BETA-GLUCOSIDASE 1 PRECURSOR (EC 3.2.1.21) (GENTIOBIASE)	swissprot P48825	ND

		(CELLOBIASE) (BETA-D-GLUCOSIDE GLUCOHYDROLASE).		
5497	299.9	TRANSMEMBRANE PROTEIN.	tremblnew CAB65007	ND
5498	299.8	HYPOTHETICAL 26.9 KD PROTEIN IN BTN1-PEP8 INTERGENIC REGION.	swissprot P47044	ND
5499	299.7	NONF.	sptrembl Q9XDF2	ND
5500	299.7	PDGF ASSOCIATED PROTEIN.	tremblnew AAF03506	ND
5501	299.7	HYPOTHETICAL 63.9 KD PROTEIN IN IME2-MEF2 INTERGENIC REGION.	swissprot P42948	ND
5502	299.0	PUTATIVE TRANSCRIPTIONAL REGULATOR.	tremblnew CAB54824	ND
5503	299.0	PUTATIVE TRANSFERASE (FRAGMENT).	sptrembl Q9X843	ND
5504	298.7	HYPOTHETICAL 33.9 KD PROTEIN C4C5.03 IN CHROMOSOME I.	swissprot O14166	ND
5505	298.6	HYPOTHETICAL 157.7 KD PROTEIN C2F7.16C IN CHROMOSOME I.	swissprot Q09706	ND
5506	298.6	PUTATIVE DEHYDROGENASE.	sptrembl O53547	ND
5507	298.2	HYPOTHETICAL 48.1 KD PROTEIN IN SEC12-SSK2 INTERGENIC REGION.	swissprot P53729	ND
5508	298.0	HYPOTHETICAL 90.8 KD PROTEIN IN HUL5-SEC27 INTERGENIC REGION.	swissprot P53121	ND
5509	297.8	SIS1 PROTEIN.	sptrembl O13303	ND
5510	297.6	HYPOTHETICAL UBIQUINOL-CYTOCHROME C REDUCTASE COMPONENT.	sptrembl O42932	ND
5511	297.4	CAFFEINE-INDUCED DEATH PROTEIN 1.	sptrembl O13833	ND
5512	297.1	CHROMOSOME XV READING FRAME ORF YOL137W.	sptrembl Q08280	ND
5513	296.7	HYPOTHETICAL 69.9 KD PROTEIN IN MIC1-SRB5 INTERGENIC REGION.	swissprot P53261	ND
5514	296.5	4MES.	sptrembl O13320	ND
5515	296.4	RNA BINDING PROTEIN - PUTATIVE PRE MRNA SPLICING FACTOR.	sptrembl O74919	ND
5516	296.4	CHROMOSOME XV READING FRAME ORF YOR059C.	sptrembl Q08448	ND
5517	2959.7	Aspergillus oryzae protease PepE.	geneseqp W31628	ND
5518	2951.7	ALDEHYDE	swissprot P08157	Energy

		DEHYDROGENASE (EC 1.2.1.3) (ALDDH).		production and conversion
5519	2951.0	TRANSLATION ELONGATION FACTOR 1 ALPHA.	sptrembl Q9Y713	Amino acid transport and metabolism
5520	295.8	NUCLEASE.	sptrembl O60168	ND
5521	295.1	PROTEIN-S ISOPRENYLCYSTEINE O-METHYLTRANSFERASE (EC 2.1.1.100) (ISOPRENYLCYSTEINE CARBOXYLMETHYLTRANSFERASE).	swissprot P32584	ND
5522	2944.2	HEAT SHOCK PROTEIN HSP1 (65 KD IGE-BINDING PROTEIN) (FRAGMENT).	swissprot P40292	Posttranslational modification, protein turnover, chaperones
5523	294.9	SCP160 PROTEIN (PROTEIN HX).	swissprot P06105	ND
5524	294.9	PUTATIVE METHYLTRANSFERASE.	sptrembl O94628	ND
5525	294.8	Saccharomyces cerevisiae nucleolin like protein, NOL1.	geneseqp W10529	ND
5526	294.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5527	294.6	ISOCITRATE DEHYDROGENASE [NADP], MITOCHONDRIAL PRECURSOR (EC 1.1.1.42) (OXALOSUCCINATE DECARBOXYLASE) (IDH) (NADP+-SPECIFIC ICDH) (IDP).	swissprot P79089	ND
5528	294.4		sptrembl O23042	ND
5529	294.4	HYDROXYPROLINE-RICH GLYCOPROTEIN PRECURSOR.	sptrembl Q41719	ND
5530	294.4	HYPOTHETICAL 24.7 KD PROTEIN C5H10.03 IN CHROMOSOME I.	swissprot Q09676	ND
5531	294.3	VESICULAR TRANSPORT PROTEIN BOS1.	swissprot P25385	ND
5532	293.5	HYPOTHETICAL 44.5 KD PROTEIN.	sptrembl O74728	ND
5533	2928.1	PLASMA MEMBRANE H(+)-ATPASE.	sptrembl O93862	Inorganic ion transport and metabolism
5534	292.9	FATTY ACYL-COA REDUCTASE.	sptrembl P94129	ND
5535	291.8	HYPOTHETICAL 36.4 KD PROTEIN IN SMP1-MBA1 INTERGENIC REGION.	swissprot P38298	ND
5536	290.9	2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT.	sptrembl O74378	ND
5537	290.7	NORSOLORINIC ACID	swissprot Q00049	ND

		REDUCTASE (EC 1.1.1.-).		
5538	290.0	Amino acid sequence of M. vaccae antigen GV-33.	geneseqp Y14924	ND
5539	2895.1	26S PROTEASE REGULATORY SUBUNIT 6B HOMOLOG.	swissprot P78578	Posttranslational modification, protein turnover, chaperones
5540	289.1	HYPOTHETICAL 34.8 KD PROTEIN C4H3.04C IN CHROMOSOME I.	swissprot Q10212	ND
5541	2881.2	Aspergillus nidulans palmitate-CoA delta-9 desaturase enzyme.	geneseqp Y28844	Lipid metabolism
5542	288.5	TIP120.	sptrembl P97536	ND
5543	288.1	CUT8 PROTEIN.	swissprot P38937	ND
5544	287.8	HYPOTHETICAL 109.7 KD PROTEIN.	sptrembl Q9Y7Q7	ND
5545	287.7	Metal-regulated transporter polypeptide ZRT2.	geneseqp W41169	ND
5546	287.6	HYPOTHETICAL 115.3 KD PROTEIN.	tremblnew CAB63746	ND
5547	287.5	FLAVIN 651 aa, chain B	pdb 1FOH	ND
5548	286.9	HYPOTHETICAL 63.7 KD PROTEIN C16E9.02C IN CHROMOSOME II.	sptrembl O14319	ND
5549	286.9	HYDROXYQUINOL 1,2-DIOXYGENASE.	sptrembl Q9ZAM3	ND
5550	286.7	PHENAZINE BIOSYNTHESIS PROTEIN PHZF.	swissprot Q51792	ND
5551	286.7	ALCOHOL DEHYDROGENASE.	sptrembl O33308	ND
5552	286.5	HYPOTHETICAL 25.4 KD PROTEIN C4G9.14 IN CHROMOSOME I.	swissprot Q10244	ND
5553	286.0	S. cerevisiae uronate dehydrogenase.	geneseqp W29217	ND
5554	2857.0	CYTOCHROME P450 51 (EC 1.14.14.1) (CYPL1) (P450-L1A1) (STEROL 14- ALPHA DEMETHYLASE) (EBURICOL 14-ALPHA-DEMETHYLASE) (P450-14DM).	swissprot Q12664	ND
5555	285.7	HIGH-AFFINITY GLUCOSE TRANSPORTER.	swissprot P49374	ND
5556	285.1	HYPOTHETICAL 191.5 KD PROTEIN IN NSP1-KAR2 INTERGENIC REGION.	swissprot P47054	ND
5557	284.9	C-FACTOR (C SIGNAL).	swissprot P21158	ND
5558	284.6	MITOGEN-ACTIVATED PROTEIN KINASE.	tremblnew AAF12815	ND
5559	284.2	HYPOTHETICAL 11.4 KD PROTEIN.	sptrembl O74837	ND
5560	283.4	CIRCUMSPOROZOITE (CS) PROTEIN (FRAGMENT).	sptrembl Q25648	ND
5561	283.1	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP	tremblnew CAB62280	ND

		PRECURSOR.		
5562	2824.0	HEXOKINASE (EC 2.7.1.1).	sptrembl O93964	ND
5563	282.6	CHROMOSOME XVI READING FRAME ORF YPL263C.	sptrembl Q08979	ND
5564	282.4	PTB-ASSOCIATED SPLICING FACTOR (PSF).	swissnew P23246	ND
5565	282.4	ZINC-FINGER PROTEIN.	sptrembl O60106	ND
5566	282.2	MAJOR FACILITATOR SUPERFAMILY PROTEIN.	sptrembl O74395	ND
5567	282.0	HYPOTHETICAL 31.7 KD PROTEIN.	sptrembl O43125	ND
5568	281.6	EXTENSIN PRECURSOR.	sptrembl Q40768	ND
5569	281.6	PRPD PROTEIN.	swissprot P74840	ND
5570	281.4	PROBABLE DOLICHYL- DIPHOSPHOOLIGOSACCHA RIDE--PROTEIN GLYCOSYLTRANSFERASE EPSILON SUBUNIT (EC 2.4.1.119) (OLIGOSACCHARYL TRANSFERASE EPSILON SUBUNIT) (OLIGOSACCHARYL TRANSFERASE 16 KD SUBUNIT).	swissprot O14238	ND
5571	281.4	GTP CYCLOHYDROLASE I (EC 3.5.4.16) (GTP-CH-I).	swissprot P51601	ND
5572	280.8	HYPOTHETICAL 69.5 KD PROTEIN (FRAGMENT).	tremblnew CAB63721	ND
5573	280.8	PUTATIVE HYDROLASE.	sptrembl Q9WX01	ND
5574	280.5	HYPOTHETICAL 41.3 KD PROTEIN.	sptrembl O42896	ND
5575	280.4	HYPOTHETICAL 91.7 KD PROTEIN.	tremblnew CAB62413	ND
5576	280.3	POLY(A)-SPECIFIC RIBONUCLEASE.	sptrembl O95453	ND
5577	280.3	HYPOTHETICAL 31.0 KD PROTEIN IN GAP1-NAP1 INTERGENIC REGION.	swissprot P36136	ND
5578	280.1	LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG).	swissprot P87058	ND
5579	280.1	HYPOTHETICAL 105.9 KD PROTEIN IN AAC3-RFC5 INTERGENIC REGION.	sptrembl O13621	ND
5580	280.0	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y786	ND
5581	279.8	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
5582	278.7	SWI6 PROTEIN, REPRESSION OF SILENT MATING TYPE LOCI.	tremblnew CAB57340	ND
5583	278.3	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9WZQ7	ND

5584	278.1	Amino acid sequence of a human secreted peptide.	geneseqp Y12916	ND
5585	277.7	Mutant YLR087c protein from cold sensitive yeast strain.	geneseqp W36093	ND
5586	277.7	S-ANTIGEN PROTEIN PRECURSOR.	swissprot P09593	ND
5587	277.5	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y784	ND
5588	277.2	EXTENSIN-LIKE PROTEIN.	tremblnew AAD55980	ND
5589	277.0	HYPOTHETICAL 90.1 KD PROTEIN C6G10.07 IN CHROMOSOME I.	sptrembl O14253	ND
5590	276.9	HYPOTHETICAL 100.1 KD PROTEIN.	sptrembl O43024	ND
5591	276.9	NODULATION PROTEIN G.	swissprot P17611	ND
5592	276.7	CARBAMOYL-PHOSPHATE SYNTHASE.	sptrembl O94313	ND
5593	276.4	LUSTRIN A.	sptrembl O44341	ND
5594	275.9	F56H9.1 PROTEIN.	sptrembl Q20908	ND
5595	275.8	HYPOTHETICAL 35.9 KD PROTEIN.	sptrembl O74947	ND
5596	275.7	S-ADENOSYLMETHIONINE SYNTHETASE (EC 2.5.1.6) (METHIONINE ADENOSYLTRANSFERASE) (ADOMET SYNTHETASE).	swissprot P48466	ND
5597	275.3	PROLINE-RICH PROTEIN MP-2 PRECURSOR.	swissprot P05142	ND
5598	275.2	PUTATIVE CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR.	sptrembl O13794	ND
5599	275.1	BILE ACID-INDUCIBLE OPERON PROTEIN F (BAIF-3).	sptrembl O28954	ND
5600	274.8	AUTOPHAGOCYTOSIS PROTEIN AUT1.	swissprot P40344	ND
5601	274.8	DJ1042K10.5 (NOVEL PROTEIN) (FRAGMENT).	sptrembl O95516	ND
5602	274.8	HALOACETATE DEHALOGENASE H-2 (EC 3.8.1.3).	swissnew Q01399	ND
5603	274.6	HYPOTHETICAL 95.2 KD PROTEIN.	sptrembl O43051	ND
5604	274.6	ACTIVATED PROTEIN KINASE C RECEPTOR HOMOLOG TRACK.	sptrembl O61075	ND
5605	274.4	HYPOTHETICAL 30.9 KD PROTEIN K07C11.7 IN CHROMOSOME V.	swissprot Q21268	ND
5606	274.0	40S RIBOSOMAL PROTEIN S7.	swissprot O43105	ND
5607	2739.8	GLUCOSAMINE--FRUCTOSE-6-PHOSPHATE AMINOTRANSFERASE [ISOMERIZING] (EC 2.6.1.16) (HEXOSEPHOSPHATE	swissprot P53704	Cell envelope biogenesis, outer membrane

		AMINOTRANSFERASE) (D-FRUCTOSE-6- PHOSPHATE AMIDOTRANSFERASE) (GFAT).		
5608	273.7	PUTATIVE NUCLEOPORIN, NUCLEAR PORE PROTEIN, RANBP BINDING DOMAIN.	tremblnew CAB52154	ND
5609	272.6	HYPOTHETICAL 96.1 KD PROTEIN.	sptrembl Q9Y7N9	ND
5610	272.5	CLATHRIN COAT ASSEMBLY PROTEIN.	sptrembl Q9Y7L6	ND
5611	272.3	HYPOTHETICAL 42.4 KD PROTEIN.	sptrembl O24844	ND
5612	2718.8	Aspergillus sp. recombinant protein-disulfide-isomerase.	geneseqp R69506	Energy production and conversion
5613	271.9	HYPOTHETICAL 14.0 KD PROTEIN IN RPL15B-GCR3 INTERGENIC REGION.	swissprot Q03880	ND
5614	271.8	HYPOTHETICAL 198.1 KD PROTEIN.	sptrembl O23363	ND
5615	271.5	CALCIUM/PROTON EXCHANGER.	sptrembl O59940	ND
5616	271.5	PUTATIVE PHOSPHATIDYLSERINE DECARBOXYLASE.	tremblnew CAB39662	ND
5617	271.4	HYPOTHETICAL 25.3 KD PROTEIN IN TIM23-ARE2 INTERGENIC REGION.	swissprot P53721	ND
5618	271.1	PUTATIVE ACETYLRNITHINE DEACETYLASE.	sptrembl O74916	ND
5619	271.0	HYDROXYQUINOL 1,2-DIOXYGENASE.	tremblnew BAA82713	ND
5620	2708.1	PROBABLE ATP-DEPENDENT TRANSPORTER YER036C.	swissprot P40024	ND
5621	270.3	SPHERULIN 4 PRECURSOR.	swissprot P11113	ND
5622	2692.9	ACTIN.	swissprot O13419	Cell division and chromosome partitioning
5623	269.9	YEST PROTEIN.	sptrembl O31523	ND
5624	269.4	HYPOTHETICAL 70.6 KD LIPOPROTEIN IN FEUA-SIGW INTERGENIC REGION PRECURSOR (ORF1).	swissprot P40406	ND
5625	269.1	HYPOTHETICAL 14.1 KD PROTEIN IN NIF3-CLG1 INTERGENIC REGION.	swissprot P53082	ND
5626	268.6	BCS1 PROTEIN.	swissnew P32839	ND
5627	268.2	MITOCHONDRIAL 40S RIBOSOMAL PROTEIN MRP17.	swissprot P28778	ND
5628	268.0	HYPOTHETICAL 56.6 KD PROTEIN IN URE2-SSU72 INTERGENIC REGION.	swissprot P53867	ND
5629	267.8	60S RIBOSOMAL PROTEIN	swissprot P36528	ND

		L30, MITOCHONDRIAL PRECURSOR (YML30).		
5630	267.6	HYPOTHETICAL 23.1 KD PROTEIN.	sptrembl P95145	ND
5631	267.1	DIHYDROLIPOAMIDE SUCCINYLTRANSFERASE.	tremblnew AAD47296	ND
5632	267.0	POTENTIAL MEMBRANE PROTEIN.	sptrembl O94006	ND
5633	266.4	HYPOTHETICAL 137.7 KD PROTEIN IN UGS1-FAB1 INTERGENIC REGION.	swissprot P43597	ND
5634	266.3	HUNKI MRNA.	sptrembl O60885	ND
5635	266.0	ASPARTYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS).	swissprot P04802	ND
5636	265.9	MALIC ACID TRANSPORT PROTEIN (MALATE PERMEASE).	swissprot P50537	ND
5637	265.3	HYPOTHETICAL 45.1 KD PROTEIN.	sptrembl O30447	ND
5638	265.0	Neurite extending activity protein.	geneseqp Y17863	ND
5639	2644.2	PHOSPHOGLYCERATE KINASE (EC 2.7.2.3).	swissprot P41756	Carbohydrate transport and metabolism
5640	2640.0	NMT1 PROTEIN HOMOLOG.	swissprot P42882	Inorganic ion transport and metabolism
5641	264.6	SALIVARY PROLINE-RICH PROTEIN II-1 (FRAGMENT).	swissprot P81489	ND
5642	264.5	ANKYRIN G119.	sptrembl Q13484	ND
5643	264.0	PHOSPHOSERINE PHOSPHATASE (EC 3.1.3.3) (PSP) (O-PHOSPHOSERINE PHOSPHOHYDROLASE) (PSP).	swissnew P42941	ND
5644	263.8	CHROMOSOME XVI COSMID 9513.	sptrembl Q06810	ND
5645	263.7	SER/THR-RICH PROTEIN T10 IN DGCR REGION.	swissprot P54797	ND
5646	263.3	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
5647	263.2	CHROMOSOME XVI COSMID 9325.	sptrembl Q06214	ND
5649	2627.8	GLUCOAMYLASE PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P36914	ND
5650	262.9	SNARE PROTEIN YKT6.	sptrembl O15498	ND
5651	262.7	PUTATIVE PROGESTERONE-BINDING	sptrembl Q9XFM5	ND

		PROTEIN HOMOLOG.		
5652	262.6	HYPOTHETICAL 39.6 KD PROTEIN.	sptrembl O06179	ND
5653	262.6	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA).	swissprot P09064	ND
5654	262.3	HYPOTHETICAL 31.3 KD PROTEIN.	sptrembl P72926	ND
5655	262.1	WUGSC:H_RG054D04.2 PROTEIN (FRAGMENT).	sptrembl O95035	ND
5656	262.1	ACTIVATOR OF HSP70 AND HSP90 CHAPERONES.	tremblnew CAB39910	ND
5657	261.7	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew CAB59799	ND
5658	261.7	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9Y7K8	ND
5659	261.7	U3 SMALL NUCLEOLAR RIBONUCLEOPROTEIN PROTEIN LCP5.	swissnew P40079	ND
5660	261.5	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
5661	261.4	PROLINE-RICH PROTEIN PRECURSOR.	sptrembl O49201	ND
5662	2603.0	PUTATIVE THIAZOLE SYNTHASE.	tremblnew AAF25444	ND
5663	260.9	UBIQUITIN-CONJUGATING ENZYME E2-24 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	swissprot P21734	ND
5664	260.9	HYPOTHETICAL 106.1 KD PROTEIN C4F10.13C IN CHROMOSOME I.	sptrembl O36025	ND
5665	260.8	WBSCR1 ALTERNATIVE SPLICED PRODUCT.	sptrembl Q9WUK3	ND
5666	260.7	HYPOTHETICAL 8.2 KD PROTEIN C26A3.14C IN CHROMOSOME I.	swissprot Q10167	ND
5667	260.0	HYPOTHETICAL 93.5 KD PROTEIN.	sptrembl O59744	ND
5668	259.8	PHOSPHATIDYLETHANOLAMINE METHYLTRANSFERASE.	sptrembl P87301	ND
5669	259.5	HYPOTHETICAL 40.7 KD PROTEIN IN DAK1-ORC1 INTERGENIC REGION.	swissprot Q04651	ND
5670	259.2	HYPOTHETICAL 39.4 KD PROTEIN.	sptrembl Q12449	ND
5671	259.2	ORF N118 (FRAGMENT).	sptrembl Q92363	ND
5672	259.1	PUTATIVE RNA BINDING PROTEIN.	tremblnew CAB53728	ND
5673	2583.2	TUBULIN ALPHA-2 CHAIN.	swissprot P24634	ND

5674	258.5	HYPOTHETICAL 114.3 KD PROTEIN.	sptrembl O74839	ND
5675	258.4	PROLINE-RICH PROTEIN MP-2 PRECURSOR.	swissprot P05142	ND
5676	257.9	C-HORDEIN.	sptrembl Q41210	ND
5677	257.9	PROLINE-RICH SALIVARY PROTEIN (FRAGMENT).	sptrembl Q62106	ND
5678	257.6	Malassezia fungus MF-7 antigenic protein.	geneseqp W29774	ND
5679	256.9	HYPOTHETICAL 22.7 KD PROTEIN.	sptrembl O94723	ND
5680	256.8	PUTATIVE SMC FAMILY PROTEIN.	tremblnew CAB11195	ND
5681	256.7	PUTATIVE ACETYLORNITHINE DEACETYLASE.	sptrembl O74916	ND
5682	256.4	WEB1 PROTEIN.	sptrembl O13637	ND
5683	256.3	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y784	ND
5684	256.3	C-7 hydroxycephem methyltransferase coupling protein.	geneseqp R92153	ND
5685	256.2	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
5686	256.0	HYPOTHETICAL 34.4 KD PROTEIN IN IDS2-MPI2 INTERGENIC REGION.	swissprot P47008	ND
5687	255.9	GEL1 PROTEIN.	sptrembl O74687	ND
5688	255.4	ALCOHOL DEHYDROGENASE I (EC 1.1.1.1).	swissprot P41747	ND
5689	255.7	HYPOTHETICAL 9.1 KD PROTEIN.	sptrembl O04820	ND
5690	255.5	PUTATIVE PROLINE-RICH PROTEIN.	sptrembl Q9ZW08	ND
5691	255.3	HYPOTHETICAL 14.6 KD PROTEIN.	tremblnew CAB61466	ND
5692	255.1	HYPOTHETICAL 27.8 KD PROTEIN.	tremblnew CAB66105	ND
5693	254.7	ANUCLEATE PRIMARY STERIGMATA PROTEIN.	swissprot Q00083	ND
5694	254.0	SUPEROXIDE DISMUTASE (EC 1.15.1.1).	tremblnew CAB61430	ND
5695	253.2	MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (MPG1 TRANSFERASE) (ATP-MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE)	sptrembl O74624	Cell envelope biogenesis, outer membrane
5696	253.8	PROLINE RICH PROTEIN.	sptrembl O22514	ND
5697	253.5	PROBABLE ATP-DEPENDENT RNA HELICASE DBP3 (HELICASE CA3).	swissprot P20447	ND
5698	252.1	60S RIBOSOMAL PROTEIN L3.	tremblnew AAF15600	Translation, ribosomal

				structure and biogenesis
5699	252.6	HYPOTHETICAL 31.1 KD PROTEIN C1E8.05 IN CHROMSOME II PRECURSOR.	sptrembl O42970	ND
5700	252.5	TGF BETA RECEPTOR ASSOCIATED PROTEIN-1.	sptrembl O60466	ND
5701	252.4	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q41814	ND
5702	252.3	PUTATIVE INTEGRAL MEMBRANE GTPASE ACTIVATING PROTEIN, RABGAP DOMAIN CONTAINING YEAST MIC1 HOMOLOG.	sptrembl O43048	ND
5703	251.7	HYPOTHETICAL 55.1 KD PROTEIN IN FAB1-PES4 INTERGENIC REGION.	swissprot P43601	ND
5704	251.6	HYPOTHETICAL 8.1 KD PROTEIN C3G6.02 IN CHROMOSOME I.	sptrembl O14140	ND
5705	251.6	PUTATIVE ZINC FINGER TRANSCRIPTION FACTOR.	tremblnew AAF15889	ND
5706	250.9	HYPOTHETICAL 21.6 KD PROTEIN C56F8.11 IN CHROMOSOME I.	swissprot Q10259	ND
5707	250.6	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl Q9WZF4	ND
5708	2495.5	ELONGATION FACTOR 2 (EF-2).	swissprot P32324	Translation, ribosomal structure and biogenesis
5709	2493.2	NAD-DEPENDENT FORMATE DEHYDROGENASE (EC 1.2.1.2).	sptrembl Q9Y790	ND
5710	249.9	PUTATIVE SERINE/THREONINE- PROTEIN KINASE PKWA (EC 2.7.1.-).	swissnew P49695	ND
5711	249.7	40S MITOCHONDRIAL RIBOSOMAL PROTEIN.	sptrembl O59772	ND
5712	249.3	HYPOTHETICAL 49.6 KD PROTEIN IN ELM1-PRI2 INTERGENIC REGION.	swissprot P36091	ND
5713	2489.1	SERINE HYDROXYMETHYLTRANS FERASE, CYTOSOLIC (EC 2.1.2.1) (SERINE METHYLASE) (GLYCINE HYDROXYMETHYLTRANS FERASE) (SHMT).	swissprot P34398	Amino acid transport and metabolism
5714	248.4	ZK1307.8 PROTEIN.	sptrembl Q23440	ND
5715	248.3	26S PROTEASOME REGULATORY SUBUNIT NIN1 (NUCLEAR	swissprot P32496	ND

		INTEGRITY PROTEIN 1).		
5716	248.1	EXTENSIN-LIKE PROTEIN.	tremblnew AAD55980	ND
5717	248.0	PUTATIVE NUCLEOPORIN.	tremblnew CAA91133	ND
5718	2473.9	CATALASE B (EC 1.11.1.6).	swissprot Q92405	Inorganic ion transport and metabolism
5719	247.8	HYPOTHETICAL 31.6 KD PROTEIN.	sptrembl Q9Y7Z5	ND
5720	247.6	CHROMOSOME XV READING FRAME ORF YOR320C.	sptrembl Q12096	ND
5721	247.4	HYPOTHETICAL 20.9 KD PROTEIN IN ROX1-SPE3 INTERGENIC REGION.	swissprot Q12425	ND
5722	247.3	COSMID C27A2.	sptrembl Q18238	ND
5723	247.3	FIL1 PROTEIN PRECURSOR.	swissprot P38771	ND
5724	247.1	OXIDOREDUCTASE.	sptrembl O53608	ND
5725	246.9	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.	swissprot P32323	ND
5726	246.6	P. putida R-(-)-mandelate monooxygenase protein.	geneseqp W53916	ND
5727	246.2	382AA LONG HYPOTHETICAL SARCOSINE OXIDASE.	sptrembl O59089	ND
5728	246.1	PUTATIVE TRANSPORTER.	tremblnew CAB63540	ND
5729	245.8	60S RIBOSOMAL PROTEIN L37, MITOCHONDRIAL PRECURSOR (YML37).	swissprot P36532	ND
5730	245.7	PUTATIVE RNA MATURATION PROTEIN.	sptrembl O94689	ND
5731	245.1	MEIOTIC MRNA STABILITY PROTEIN KINASE UME5 (EC 2.7.1.-).	swissprot P39073	ND
5732	245.1	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
5733	244.5	HYPOTHETICAL 41.8 KD PROTEIN.	sptrembl O65023	ND
5734	244.3	HYPOTHETICAL 81.2 KD PROTEIN C3D6.13C IN CHROMOSOME II.	swissprot P87178	ND
5735	244.0	EXTENSIN-LIKE PROTEIN.	tremblnew AAD55980	ND
5736	244.0	REPETITIVE PROLINE- RICH CELL WALL PROTEIN 1.	sptrembl Q01979	ND
5737	243.8	PROTEIN-TYROSINE PHOSPHATASE (EC 3.1.3.48).	sptrembl O94526	ND
5738	243.5	SIMILAR TO HUMAN DIMETHYLANILINE MONOOXYGENASE.	tremblnew BAA88195	ND
5739	2420.7	CATALASE ISOZYME P.	tremblnew AAF01463	Inorganic ion transport and

				metabolism
5740	242.8	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5741	242.7	F19G10.4 PROTEIN.	sptrembl O23122	ND
5742	242.5	F3L24.19 PROTEIN.	tremblnew AAF14029	ND
5743	242.2	MYCELIAL SURFACE ANTIGEN PRECURSOR.	sptrembl O74249	ND
5744	242.1	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT).	swissprot P11414	ND
5745	242.1	PUTATIVE SECRETED PROTEIN.	sptrembl O69822	ND
5746	241.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5747	241.4	FISSION YEAST.	sptrembl P78821	ND
5748	241.4	HOMOSERINE DEHYDROGENASE (EC 1.1.1.3) (HDH).	swissnew P31116	ND
5749	241.2	Cryptosporidium parvum GP900 antigen.	geneseqp W48299	ND
5750	241.2	TOXD PROTEIN.	swissprot P54006	ND
5751	241.2	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
5752	241.1	CELL WALL PROTEIN PRECURSOR.	sptrembl Q39005	ND
5753	241.0	HYPOTHETICAL 52.9 KD SERINE-RICH PROTEIN C11G7.01 IN CHROMOSOME I.	swissprot O13695	ND
5754	240.9	TRICHODIENE OXYGENASE (EC 1.14.-.-) (CYTOCHROME P450 58).	swissprot Q12612	ND
5755	240.6	HYPOTHETICAL 27.5 KD PROTEIN.	sptrembl Q03973	ND
5756	240.2	ZINC CLUSTER TRANSCRIPTION FACTOR FCR1P.	sptrembl O93870	ND
5757	240.0	PUTATIVE METHYLTRANSFERASE SLL0829 (EC 2.1.1.-).	swissprot Q55423	ND
5758	239.8	CHOLINE/ETHANOLAMINE KINASE-ALPHA.	tremblnew BAA88154	ND
5759	239.5	BETA-GALACTOSIDASE ALPHA PEPTIDE (FRAGMENT).	sptrembl Q46478	ND
5760	239.4	HYPOTHETICAL HELICASE K12H4.8 IN CHROMOSOME III.	swissprot P34529	ND
5761	239.1	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5762	2384.6	SPLICEOSOMAL PROTEIN SAP 155 (PUTATIVE	sptrembl O75533	ND

		NUCLEAR PROTEIN).		
5763	237.6	Human follicle stimulating hormone GPR N-terminal sequence.	geneseqp W03627	ND
5764	237.6	GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P08640	ND
5765	237.4	ANNEXIN VII (SYNEXIN).	swissprot P24639	ND
5766	237.3	HYDROXYLASE.	sptrembl O94115	ND
5767	236.2	PTERIN-4-ALPHA-CARBINOLAMINE DEHYDRATASE (EC 4.2.1.96) (PHS) (4-ALPHA-HYDROXY-TETRAHYDROPTERIN DEHYDRATASE) (PHENYLALANINE HYDROXYLASE-STIMULATING PROTEIN) (PCD).	swissprot P43335	ND
5768	2356.2	TUBULIN BETA-1 CHAIN.	swissprot P10653	ND
5769	2350.7	ELONGATION FACTOR 2 (FRAGMENT).	tremblnew CAB52147	Translation, ribosomal structure and biogenesis
5770	235.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5771	235.0	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q42366	ND
5772	234.9	KINESIN-LIKE PROTEIN KIF2 (FRAGMENT).	sptrembl Q9WV63	ND
5773	233.9	ACYL-COA-BINDING PROTEIN (ACBP) (DIAZEPAM BINDING INHIBITOR) (DBI) (ENDOZEPINE) (EP).	swissprot P07108	ND
5774	233.9	HISTONE H1.	tremblnew AAF16011	ND
5775	233.6	ISOFLAVONE REDUCTASE HOMOLOG IRL (EC 1.3.1.-).	swissprot P52580	ND
5776	233.2	SRC2.	sptrembl O04133	ND
5777	233.2	HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR.	swissprot P47179	ND
5778	233.2	SAFRAMYCIN MX1 SYNTHETASE A.	sptrembl Q50858	ND
5779	233.2	HYPOTHETICAL PROTEIN.	sptrembl O23692	ND
5780	233.0	PROLINE RICH PROTEIN PRECURSOR.	sptrembl Q43558	ND
5781	232.6	HOL1 PROTEIN.	swissprot P53389	ND
5782	232.5	LONG-CHAIN-FATTY-ACID--COA LIGASE (FADD-	sptrembl O29233	ND

		5).		
5783	232.5	HYPOTHETICAL 31.6 KD PROTEIN.	sptrembl Q9Y7Z5	ND
5784	232.2	HYPOTHETICAL 67.0 KD PROTEIN.	sptrembl O60107	ND
5785	232.2	EXTENSIN CLASS II PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) (HRGP) (HYP2.13) (FRAGMENT).	sptrembl Q09085	ND
5786	231.8	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.	swissprot P32323	ND
5787	231.8	HYPOTHETICAL 52.3 KD PROTEIN IN FRE2 5'REGION.	swissprot P36032	ND
5788	231.7	PUTATIVE 101.8 KD TRANSCRIPTIONAL REGULATORY PROTEIN IN LAS1-CCP1 INTERGENIC REGION.	swissprot P36023	ND
5789	231.5	AUXIN-INDUCED PROTEIN.	sptrembl Q43677	ND
5790	231.5	HYPOTHETICAL 8.6 KD PROTEIN.	sptrembl Q03482	ND
5791	231.5	HYPOTHETICAL 64.2 KD PROTEIN.	sptrembl Q9Y8A1	ND
5792	231.3	PUTATIVE PRE-MRNA SPLICING FACTOR.	sptrembl P78814	ND
5793	231.3	MINICHROMOSOME MAINTENANCE PROTEIN MCM7P.	sptrembl O75001	ND
5794	231.1	RNA EXPORT FACTOR GLE1.	swissprot Q12315	ND
5795	230.7	ATPASE STABILIZING FACTOR 15 KD PROTEIN.	swissprot P16965	ND
5796	230.6	MUCIN (FRAGMENT).	sptrembl Q28501	ND
5797	230.6	GIBBERELLIN OXIDASE-LIKE PROTEIN.	tremblnew CAB46041	ND
5798	230.4	PUTATIVE MULTIPLE DRUG RESISTANCE PROTEIN.	sptrembl Q9Y835	ND
5799	230.3	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
5800	230.3	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5801	230.0	Human lung tumour protein SAL-68 predicted amino acid sequence.	geneseqp Y29561	ND
5802	229.7	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
5803	229.6	ADENYLYL CYCLASE.	tremblnew AAD50121	ND
5804	229.3	HYPOTHETICAL 17.7 KD PROTEIN IN AMD1-RAD52 INTERGENIC REGION.	swissprot Q03712	ND

5805	229.0	UBIQUITIN--PROTEIN LIGASE RSP5 (EC 6.3.2.-).	swissprot P39940	ND
5806	228.9	HYPOTHETICAL 54.9 KD PROTEIN IN CBR5-NOT3 INTERGENIC REGION.	swissprot P40533	ND
5807	228.8	RAB11-LIKE (FRAGMENT).	sptrembl Q94149	ND
5808	228.5	F24J5.4.	tremblnew AAD49970	ND
5809	228.2	ZINC FINGER PROTEIN 1.	swissprot P28875	ND
5810	228.1	CYCLIN ANIA-6B (FRAGMENT).	tremblnew AAF23011	ND
5811	227.6	EXTENSIN (EXT) PRECURSOR.	sptrembl Q40402	ND
5812	227.1	D. immitis ankyrin pDiAnk303 protein.	geneseqp W76774	ND
5813	2268.2	ALPHA-GLUCOSIDASE (EC 3.2.1.20) (MALTASE).	swissprot Q02751	Carbohydrate transport and metabolism
5814	2265.0	CHITINASE.	sptrembl Q92222	ND
5815	226.5	RIBOSOMAL PROTEIN L41.	sptrembl Q9Y710	ND
5816	226.2	PUTATIVE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN YNR036C.	swissprot P53732	ND
5817	226.2	PROBABLE COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).	swissprot P87140	ND
5818	226.1	TETRATRICOPEPTIDE REPEAT PROTEIN.	sptrembl Q99614	ND
5819	225.8	MICROFILARIAL SHEATH PROTEIN PRECURSOR.	sptrembl Q17242	ND
5820	224.7	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
5821	224.7	CGI-82 PROTEIN.	sptrembl Q9Y391	ND
5822	224.6	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
5823	224.0	YCR028C-A.	sptrembl O11851	ND
5824	224.0	MEMBRANE GLYCOPROTEIN.	sptrembl O39781	ND
5825	223.9	PRO-RICH.	sptrembl Q84565	ND
5826	223.9	PROLINE RICH PROTEIN.	sptrembl O22514	ND
5827	223.7	KERATIN COMPLEX 2, BASIC, PROTEIN 2 (KERATIN 2 EPIDERMIS).	sptrembl Q61869	ND
5828	223.5	HYPOTHETICAL 41.5 KD PROTEIN.	tremblnew CAB66198	ND
5829	222.9	CYTOCHROME P450 4F3 (EC 1.14.13.30) (CYP1VF3) (LEUKOTRIENE-B4 OMEGA- HYDROXYLASE) (LEUKOTRIENE-B4 20-MONOOXYGENASE) (CYTOCHROME P450- LTB- OMEGA).	swissnew Q08477	ND

5830	222.5	EXTENSIN-LIKE PROTEIN.	tremblnew AAD55980	ND
5831	222.4	CHROMOSOME XV READING FRAME ORF YOR380W.	sptrembl Q08904	ND
5832	222.3	KIAA0544 PROTEIN (FRAGMENT).	sptrembl O60291	ND
5833	222.2	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
5834	222.2	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
5835	222.2	HEMOLYSIN.	sptrembl Q00050	ND
5836	221.9	PROSTACYCLIN SYNTHASE (EC 5.3.99.4) (PROSTAGLANDIN I2 SYNTHASE).	sptrembl Q62969	ND
5837	221.8	HYPOTHETICAL 22.4 KD PROTEIN.	sptrembl Q9X7Q3	ND
5838	221.5	Cyanovirin-N.	geneseqp W06811	ND
5839	2207.9	CATALASE (EC 1.11.1.6).	sptrembl O14436	Inorganic ion transport and metabolism
5840	220.8	PTB-ASSOCIATED SPLICING FACTOR (PSF).	swissnew P23246	ND
5841	220.3	PUTATIVE TRANSCRIPTIONAL COACTIVATOR.	sptrembl O94301	ND
5842	220.3	C11G6.3 PROTEIN.	sptrembl Q17909	ND
5843	220.3	PUTATIVE CYTOCHROME C OXIDASE POLYPEPTIDE.	sptrembl O94705	ND
5844	220.0	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P14918	ND
5845	219.9	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
5846	219.6	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
5847	219.5	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
5848	219.2	MADS-BOX HOMOLOG UMC1.	sptrembl O42725	ND
5849	219.2	Y63D3A.5 PROTEIN.	tremblnew CAB63398	ND
5850	219.1	SPCB.	tremblnew AAD50452	ND
5851	219.0	ZINC FINGER PROTEIN.	sptrembl Q00069	ND
5852	2184.1	Urate oxidase encoded by A.flavus-derived cDNA clone 9C.	geneseqp R10222	ND
5853	218.7	HYPOTHETICAL 49.5 KD PROTEIN IN UBP3-PET122 INTERGENIC REGION.	swissprot P10356	ND
5854	218.7	PUTATIVE GALACTINOL SYNTHASE (EC 2.4.1.123).	sptrembl Q9XGG4	ND
5855	218.5	ALCOHOL DEHYDROGENASE II (EC 1.1.1.1) (ADH II).	swissprot P54202	ND

5856	218.5	PROLINE RICH PROTEIN.	sptrembl O22514	ND
5857	218.2	DEHYDROGENASE.	sptrembl O34788	ND
5858	217.6	PROBABLE PROTEIN-TYROSINE PHOSPHATASE CDC14 (EC 3.1.3.48).	swissprot Q00684	ND
5859	217.3	HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR.	swissprot P47179	ND
5860	217.1	HYPOTHETICAL 58.8 KD PROTEIN IN GLK1-SRO9 INTERGENIC REGION.	swissprot P25568	ND
5861	2168.3	SPINDLE ASSEMBLY CHECKPOINT PROTEIN SLDB.	sptrembl O59902	ND
5862	216.0	FATTY ACID AMIDE HYDROLASE.	tremblnew BAA86917	ND
5863	2159.5	POLYUBIQUITIN.	sptrembl O74295	ND
5864	2156.3	NADH-UBIQUINONE OXIDOREDUCTASE 40 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-40KD) (CI-40KD).	swissprot P25284	ND
5865	215.9	MITOCHONDRIAL NUCLEASE (EC 3.1.30.-).	swissprot P08466	ND
5866	215.6	HYPOTHETICAL 49.5 KD PROTEIN.	tremblnew AAD51406	ND
5867	215.4	HYPOTHETICAL PROTEIN C30B4.01C IN CHROMOSOME II (FRAGMENT).	sptrembl P87179	ND
5868	2148.5	ENOLASE (EC 4.2.1.11).	tremblnew BAA23760	Carbohydrate transport and metabolism
5869	214.7	COLLETOTRICHUM GLOEOSPORIODES NITROGEN STARVATION-INDUCED GLUTAMINE RICH PROTEIN.	sptrembl O43117	ND
5870	214.6	HYPOTHETICAL RYANODINE RECEPTOR DOMAIN CONTAINING PROTEIN.	sptrembl O74497	ND
5871	214.1	KIAA0122 PROTEIN (FRAGMENT).	sptrembl Q14136	ND
5872	214.1	NEUROFILAMENT-M SUBUNIT (FRAGMENT).	sptrembl O77788	ND
5873	214.0	TEMPERATURE-DEPENDENT PROTEIN BYS1.	sptrembl Q00300	ND
5874	214.0	D. immitis ankyrin pDiAnk348 protein.	geneseqp W76775	ND
5875	213.9	HYPOTHETICAL 61.8 KD PROTEIN IN KGD1-SIM1 INTERGENIC REGION.	swissprot P40475	ND
5876	213.7	MEMBRANE	sptrembl O39782	ND

		GLYCOPROTEIN.		
5877	213.4	HYDROXYPROLINE-RICH GLYCOPROTEIN PRECURSOR.	sptrembl Q41719	ND
5878	212.8	REGULATORY PROTEIN E2.	swissprot P50766	ND
5879	212.7	HYPOTHETICAL 10.3 KD PROTEIN.	tremblnew CAB55848	ND
5880	212.4	EATRO 164 KINETOPLAST (CR4).	sptrembl Q33564	ND
5881	212.4	PUTATIVE HYDROLASE.	tremblnew CAB61556	ND
5882	212.2	CHITIN SYNTHASE 1 (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE 1) (CLASS-II CHITIN SYNTHASE 1).	swissprot P30600	ND
5883	211.9	EG:BACR37P7.3 PROTEIN.	tremblnew CAB65851	ND
5884	211.8	PUTATIVE NICOTINATE PHOSPHORIBOSYLTRANSF ERASE.	tremblnew CAB62416	ND
5885	211.3	ATP-DEPENDENT BILE ACID PERMEASE.	swissprot P32386	ND
5886	211.3	GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P08640	ND
5887	211.1	HYPOTHETICAL 50.9 KD PROTEIN.	sptrembl O94548	ND
5888	211.0	HYPOTHETICAL 29.3 KD PROTEIN (ORF92).	swissprot O10341	ND
5890	2106.6	METHYLMALONATE- SEMIALDEHYDE DEHYDROGENASE [ACYLATING] PRECURSOR (EC 1.2.1.27) (MMSDH).	swissprot Q02253	Energy production and conversion
5891	2102.8	PROBABLE INOSINE-5'- MONOPHOSPHATE DEHYDROGENASE (EC 1.1.1.205) (IMP DEHYDROGENASE) (IMPDH) (IMPD).	sptrembl O14344	ND
5892	210.9	Truncated sec71p allele protein sequence.	geneseqp Y39942	ND
5893	210.6	HYPOTHETICAL 56.3 KD PROTEIN IN ARO3-KRS1 INTERGENIC REGION.	swissprot P28817	ND
5894	210.2	YMF1 PROTEIN.	sptrembl O31767	ND
5895	210.0	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5896	210.0	Cyanovirin-N protein sequence.	geneseqp Y39909	ND
5897	2094.5	A. niger PacC zinc finger DNA	geneseqp Y08483	ND

		binding domain.		
5898	209.5	PUTATIVE ACETYLORNITHINE DEACETYLASE.	sptrembl O74916	ND
5899	209.4	CONIDIATION-SPECIFIC PROTEIN 8.	swissprot P10169	ND
5900	209.4	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29071	ND
5901	209.4	HYPOTHETICAL 26.9 KD PROTEIN IN YHB1-PFK1 INTERGENIC REGION.	swissprot P50087	ND
5902	209.3	PUTATIVE PROLINE-RICH CELL WALL PROTEIN.	sptrembl O82327	ND
5903	209.0	PROBABLE PROTEIN KINASE C20G4.03C (EC 2.7.1.-).	sptrembl O13889	ND
5904	209.0	MAJOR PRION PROTEIN 1 PRECURSOR (PRP) (MAJOR SCRAPIE-ASSOCIATED FIBRIL PROTEIN 1).	swissprot P40242	ND
5905	208.5	Mutant Aspergillus oryzae DEBY932 rescued locus.	geneseqp W37992	ND
5906	2076.7	26S PROTEASE REGULATORY SUBUNIT 7 HOMOLOG.	tremblnew CAA16915	Posttranslational modification, protein turnover, chaperones
5907	2076.6	NIDULANS, CPA-LIKE (FRAGMENT).	sptrembl O42806	Nucleotide transport
5908	207.6	CHROMOSOME XVI READING FRAME ORF YPL233W.	sptrembl Q12143	ND
5909	207.4	HYPOTHETICAL 30.8 KD PROTEIN IN SPR6-RPL23B INTERGENIC REGION.	swissprot P40072	ND
5910	207.3	EXTENSIN CLASS I PROTEIN PRECURSOR (EXTENSIN-LIKE PROTEIN).	sptrembl Q41707	ND
5911	207.2	CYSTATHIONINE BETA-SYNTHASE (EC 4.2.1.22) (SERINE SULFHYDRASE) (BETA-THIONASE).	swissprot P46794	ND
5912	206.9	HYPOTHETICAL 24.4 KD PROTEIN.	sptrembl O86620	ND
5913	206.6	F24J5.8 PROTEIN.	tremblnew AAD49974	ND
5914	206.5	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
5915	206.3	Cationic peptide Bac7.	geneseqp W66400	ND
5916	205.7	HYPOTHETICAL 46.7 KD PROTEIN (FRAGMENT).	sptrembl O42840	ND
5917	205.6	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
5918	205.6	SYNTHASE OF THE TYPE 3 PNEUMOCOCCAL CAPSULAR POLYSACCHARIDE.	sptrembl P72520	ND
5919	205.5	HYPOTHETICAL 15.6 KD PROTEIN C29B12.13 IN	sptrembl O14034	ND

		CHROMOSOME I.		
5921	2041.4	DNA-DEPENDENT RNA POLYMERASE II RPB140 (FRAGMENT).	tremblnew AAF19066	Transcription
5922	204.9	HYPOTHETICAL 47.0 KD PROTEIN C23H3.03C IN CHROMOSOME I.	sptrembl O42857	ND
5923	204.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
5924	204.7	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y784	ND
5925	204.6	TOL.	sptrembl O93882	ND
5926	204.2	COSMID C33G8.	sptrembl Q18401	ND
5927	204.1	RHO-LIKE PROTEIN C16A10.04.	sptrembl P87296	ND
5928	203.9	C35E7.9 PROTEIN.	sptrembl O61765	ND
5929	203.6	PROBABLE MANNOSYLTRANSFERASE.	sptrembl O94565	ND
5930	203.2	HYPOTHETICAL 45.7 KD PROTEIN IN RPS3-PSD1 INTERGENIC REGION.	swissprot P53883	ND
5931	203.1	TRANSCRIPTIONAL FACTOR SWI5.	swissprot P08153	ND
5932	203.1	PUTATIVE ATP SYNTHASE F CHAIN, MITOCHONDRIAL PRECURSOR.	sptrembl O94377	ND
5933	2025.1	FIMBRIN (ABP67).	swissprot P32599	ND
5934	202.8	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
5935	202.7	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
5936	202.7	CLONING VECTOR PZERO-2T.	sptrembl O53022	ND
5937	202.4	60S RIBOSOMAL PROTEIN L37A (FRAGMENT).	swissprot O17307	ND
5938	202.2	NUCLEAR PROTEIN SDK3 (FRAGMENT).	sptrembl O60899	ND
5939	202.2	C12D12.1 PROTEIN.	sptrembl Q17921	ND
5940	202.1	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83717	ND
5941	202.0	CHROMOSOME XV READING FRAME ORF YOR306C.	sptrembl Q08777	ND
5942	201.5	STEROL-C-METHYLTRANSFERASE.	sptrembl P74388	ND
5943	201.2	SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CONTAINS: BASIC PEPTIDE IB-6; PEPTIDE P-H].	swissprot P04280	ND
5944	201.2	Banana ripening fruit Gluc. translated polypeptide.	geneseqp Y05839	ND
5945	201.1	DNA-DIRECTED RNA	swissprot P11414	ND

		POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1) (FRAGMENT).		
5946	201.0	GLYCERALDEHYDE-3-PHOSPHATE DEHYDOGENASE (FRAGMENT).	tremblnew CAB63214	ND
5947	200.7	HYPOTHETICAL 26.5 KD PROTEIN IN FUS2-RNH1 INTERGENIC REGION.	swissprot Q05024	ND
5948	200.7	K09A9.6 PROTEIN.	sptrembl Q93178	ND
5949	200.6	NITRATE REDUCTASE (EC 1.6.6.1) (NR).	swissprot P36841	ND
5950	200.6	HYPOTHETICAL PROTEIN (FRAGMENT).	sptrembl Q12742	ND
5951	200.5	PROLINE-RICH PROTEIN.	sptrembl Q64306	ND
5952	200.5	HYPOTHETICAL 57.5 KD PROTEIN IN VMA7-RPS25A INTERGENIC REGION.	swissprot P53214	ND
5953	200.4	RNA-BINDING PROTEIN FUS/TLS.	swissprot P35637	ND
5954	200.4	HYPOTHETICAL PROTEIN MJ1187.	swissprot Q58588	ND
5955	200.3	ADENYLYL CYCLASE.	tremblnew AAD50121	ND
5956	200.1	HYPOTHETICAL PROTEIN MJ0301.	swissprot Q57749	ND
5957	200.1	COMPLEX (DNA-BINDING PROTEIN/DNA) 155 aa, chain A	pdb 2GLI	ND
5958	1996.1	CHITIN SYNTHASE D (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE) (CLASS-V CHITIN SYNTHASE).	sptrembl O13281	ND
5959	199.8	HYPOTHETICAL 41.6 KD PROTEIN (FRAGMENT).	sptrembl O94558	ND
5960	199.8	Plasmid pRZTL1, Tetracycline resistance protein.	geneseqp Y42545	ND
5961	199.7	HYPOTHETICAL 34.7 KD PROTEIN IN RHO3-HIS5 INTERGENIC REGION.	swissprot P40476	ND
5962	199.5	WSC4 HOMOLOGUE.	sptrembl Q9Y849	ND
5963	199.5	NUCLEOLIN (PROTEIN C23).	swissprot P19338	ND
5964	199.5	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83717	ND
5965	199.1	SIMILARITY TO COLLAGENS.	sptrembl O02123	ND
5966	199.0	COS46.3.	sptrembl P91589	ND
5967	199.0	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
5968	199.0	HYPOTHETICAL PROTEIN (FRAGMENT).	tremblnew BAA87194	ND
5969	1986.0	ARGINASE (EC 3.5.3.1).	swissprot Q12611	Amino acid transport and metabolism
5970	1985.6	FATTY ACID SYNTHASE,	sptrembl P78616	ND

		BETA SUBUNIT.		
5971	198.9	DNA BINDING PROTEIN NSDD.	sptrembl Q92226	ND
5972	198.8	HYPOTHETICAL 40.3 KD PROTEIN.	sptrembl O69481	ND
5973	198.8	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q41814	ND
5974	198.5	CTR9 PROTEIN.	swissprot P89105	ND
5975	198.1	F32D1.2 PROTEIN.	sptrembl O16298	ND
5976	198.0	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
5977	1978.8	GLUTAMINE SYNTHETASE (EC 6.3.1.2) (GLUTAMATE--AMMONIA LIGASE).	swissprot Q12613	Amino acid transport and metabolism
5978	197.9	TRANSLATION INITIATION FACTOR IF-3.	swissnew O67653	ND
5979	197.8	K02F3.4 PROTEIN.	tremblnew AAA50709	ND
5980	197.8	HYPOTHETICAL 45.6 KD PROTEIN C29A3.03C IN CHROMOSOME II.	sptrembl O59668	ND
5981	1965.3	MITOCHONDRIAL PROCESSING PEPTIDASE BETA SUBUNIT PRECURSOR (EC 3.4.24.64) (BETA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX CORE PROTEIN I) (EC 1.10.2.2).	swissprot P11913	ND
5982	196.8	HYPOTHETICAL 75.4 KD PROTEIN.	tremblnew AAF04882	ND
5983	196.6	LONGEVITY-ASSURANCE PROTEIN 1 (LONGEVITY ASSURANCE FACTOR 1).	swissprot P78970	ND
5984	196.4	YLR391W-AP.	sptrembl O13547	ND
5985	1958.9	NAD(+)-ISOCITRATE DEHYDROGENASE SUBUNIT I PRECURSOR.	sptrembl O13302	Amino acid transport and metabolism
5986	1958.6	HEAT SHOCK PROTEIN 70.	sptrembl O93866	Posttranslational modification, protein turnover, chaperones
5987	195.8	F4P13.11 PROTEIN.	tremblnew AAF01541	ND
5988	195.6	CHROMOSOME XII COSMID 8003.	sptrembl Q05874	ND
5989	195.6	U86.	tremblnew AAD49674	ND
5990	195.6	ZP2 (CLONE C692).	sptrembl Q90354	ND
5991	195.5	SORTING NEXIN 8.	sptrembl Q9Y5X2	ND
5992	195.5	HYPOTHETICAL 23.9 KD PROTEIN IN COQ1-FLR1 INTERGENIC REGION.	swissprot P38212	ND
5993	195.2	MUCIN.	sptrembl Q63549	ND
5994	195.2	PROTEASE B INHIBITORS 2 AND 1 (PROTEINASE	swissprot P01095	ND

		INHIBITOR I(B)2).		
5995	195.2	F21E10.7 PROTEIN.	sptrembl O65245	ND
5996	195.2	NUCLEOLIN (PROTEIN C23).	swissprot P08199	ND
5997	195.0	C. albicans antigenic protein 3.	geneseqp Y06927	ND
5998	1946.7	ADP,ATP CARRIER PROTEIN (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT).	swissprot P02723	ND
6000	194.8	HYPOTHETICAL 71.2 KD MEMBRANE PROTEIN C17G6.01 IN CHROMOSOME I.	sptrembl O13779	ND
6001	194.7	3-OXOACYL-[ACYL-CARRIER-PROTEIN]-REDUCTASE.	sptrembl O42774	ND
6002	194.7	SEX DETERMINATION PROTEIN TASSELSEED 2.	swissprot P50160	ND
6003	194.1	EXTENSIN CLASS II PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) (HRGP) (TOML-4).	sptrembl Q09084	ND
6004	194.1	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
6005	194.0	NADH OXIDASE.	sptrembl Q9WYL1	ND
6006	1934.3	HOMOACONITASE PRECURSOR (EC 4.2.1.36) (HOMOACONITATE HYDRATASE).	swissprot Q92412	Energy production and conversion
6007	193.9	HYPOTHETICAL 25.3 KD PROTEIN C2C4.09 IN CHROMOSOME I.	sptrembl O14042	ND
6008	193.9	SPORE COAT PROTEIN SP96.	swissprot P14328	ND
6009	193.8	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3).	swissprot P04540	ND
6010	193.8	H14E04.2A PROTEIN.	tremblnew AAD12809	ND
6011	193.8	MUCIN-LIKE PROTEIN.	sptrembl O77242	ND
6012	193.8	WD REPEAT PROTEIN.	tremblnew CAB54817	ND
6013	193.7	HYPOTHETICAL 46.2 KD PROTEIN.	tremblnew CAB36521	ND
6014	193.7	WSC4 HOMOLOGUE.	sptrembl Q9Y849	ND
6015	193.6	LATENT NUCLEAR ANTIGEN.	sptrembl Q9WRM2	ND
6016	193.5	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
6017	193.3	HYPOTHETICAL 43.5 KD PROTEIN IN RPB9-ALG2 INTERGENIC REGION.	swissprot P53164	ND
6018	193.1	EYELID.	sptrembl O61603	ND
6019	193.0	HYPOTHETICAL 72.4 KD	swissprot P40053	ND

		PROTEIN IN PTP3-ILV1 INTERGENIC REGION.		
6020	1920.0	HOMOGENITISATE 1,2-DIOXYGENASE (EC 1.13.11.5) (HOMOGENITISICASE) (HOMOGENITISATE OXYGENASE) (HOMOGENITISIC ACID OXIDASE).	swissprot Q00667	ND
6021	192.9	HYPOTHETICAL 45.2 KD PROTEIN.	sptrembl Q9YPA9	ND
6022	192.8	HYPOTHETICAL 64.5 KD PROTEIN IN COX4-GTS1 INTERGENIC REGION.	swissprot P53099	ND
6023	192.5	HAPB.	sptrembl O59847	ND
6024	192.4	MPV17 PROTEIN.	swissprot P19258	ND
6025	192.0	MEROZOITE SURFACE PROTEIN-1 (FRAGMENT).	sptrembl O00879	ND
6027	1910.6	GLUCOAMYLASE PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P36914	ND
6028	191.9	HYPOTHETICAL 34.8 KD PROTEINF YDL037C.	sptrembl Q12140	ND
6029	191.9	HYPOTHETICAL 18.8 KD PROTEIN C25H2.09 IN CHROMOSOME II.	swissprot P87150	ND
6030	191.8	MUCIN (FRAGMENT).	sptrembl Q14888	ND
6031	191.4	HYPOTHETICAL CALCIUM-BINDING PROTEIN C18B11.04 IN CHROMOSOME I.	swissprot Q09711	ND
6032	191.2	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
6033	191.1	F23N19.12.	tremblnew AAF19547	ND
6034	190.9	YGHL2 (FRAGMENT).	sptrembl Q91457	ND
6035	190.9	STB5 PROTEIN.	swissprot P38699	ND
6036	190.8	INTEGRIN BETA SUBUNIT.	sptrembl O97343	ND
6037	190.8	HYDROXYPROLINE-RICH GLYCOPROTEIN PRECURSOR.	sptrembl Q41719	ND
6038	190.8	KEXIN-LIKE SERINE ENDOPROTEASE (FRAGMENT).	tremblnew AAF21601	ND
6039	190.8	PAROTID 'O' PROTEIN (FRAGMENT).	sptrembl O00600	ND
6040	190.8	EXTENSIN.	sptrembl Q40503	ND
6041	190.6	PROLINE-RICH PROTEIN MP-3 (FRAGMENT).	swissprot P05143	ND
6042	190.4	Pig leukocyte prophenin peptide Proph1.	geneseqp R82569	ND
6043	190.4	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P13728	ND

6044	190.3	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6045	190.3	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
6046	190.2	HIGH MOLECULAR WEIGHT BASIC NUCLEAR PROTEIN (FRAGMENT).	sptrembl Q91238	ND
6047	190.1	ARGININE-RICH 54 KD NUCLEAR PROTEIN.	sptrembl Q05519	ND
6048	1899.3	PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE) (MULTIFUNCTIONAL BETA-OXIDATION PROTEIN) (MFP) [INCLUDES: 2-ENOYL-COA HYDRATASE (EC 4.2.1.-); D-3-HYDROXYACYL COA DEHYDROGENASE (EC 1.1.1.-)].	swissnew Q01373	ND
6049	189.9	SALIVARY PROLINE-RICH PROTEIN PO PRECURSOR (ALLELE S).	swissprot P10163	ND
6050	189.8	36.4 KD PROLINE-RICH PROTEIN.	swissprot Q00451	ND
6051	189.7	RIBOSOMAL PROTEIN L38 (FRAGMENT).	tremblnew BAA25844	ND
6052	189.6	JASMONATE INDUCIBLE PROTEIN ISOLOG.	sptrembl O04310	ND
6053	189.5	MUCIN 10, SUBMANDIBULAR GLAND SALIVARY MUCIN PRECURSOR (MUCIN APOPROTEIN).	sptrembl Q61002	ND
6054	189.4	TRANSLATION INITIATION PROTEIN-BELONGS TO THE SUA5-YRDC-YCIO-YWLC FAMILY.	sptrembl O94530	ND
6055	189.4	LOW MOLECULAR WEIGHT GLUTENIN (FRAGMENT).	sptrembl Q41551	ND
6056	189.3	PROLINE-RICH PROTEIN.	sptrembl Q64306	ND
6057	189.0	ATRIAL-SPECIFIC MYOSIN HEAVY-CHAIN (FRAGMENT).	sptrembl Q90767	ND
6058	188.7	HYPOTHETICAL 45.3 KD PROTEIN.	sptrembl O74840	ND
6059	188.5	PROLINE RICH PROTEIN PRECURSOR.	sptrembl Q43558	ND
6060	188.1	SERINE/THREONINE PROTEIN KINASE.	tremblnew CAA92266	ND
6061	187.9	MORPHOGENESIS-RELATED PROTEIN (MULTICOPY SUPPRESSION OF A BUDDING DEFECT 1).	swissprot P21339	ND
6062	187.8	F58A3.1B PROTEIN.	sptrembl Q93807	ND
6063	187.7	HYPOTHETICAL	sptrembl O74350	ND

		BROMODOMAIN CONTAINING PROTEIN.		
6064	187.6	HYPOTHETICAL 36.9 KD PROTEIN C02D5.2 IN CHROMOSOME III.	swissprot P34276	ND
6065	1868.6	SONA.	sptrembl O74224	ND
6067	1860.7	GLUTAMIC ACID DECARBOXYLASE.	tremblnew BAA88152	Amino acid transport and metabolism
6068	1860.0	F57B10.3 PROTEIN.	sptrembl O44742	Carbohydrate transport and metabolism
6069	186.8	GLUE PROTEIN.	sptrembl Q27423	ND
6070	186.8	KIAA0595 PROTEIN (FRAGMENT).	sptrembl Q9Y4E0	ND
6071	186.8	Cercospora kikuchii membrane pump protein.	geneseqp W35808	ND
6072	186.8	MEMBRANE COMPONENT, CHROMOSOME 17, SURFACE MARKER 2 (OVARIAN CARCINOMA ANTIGEN CA125) (1A1-3B) (KIAA0049).	swissprot Q14596	ND
6073	186.8	WP6 PRECURSOR.	sptrembl Q39492	ND
6074	186.6	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6).	swissprot P16356	ND
6075	186.6	COMES FROM THIS GENE.	sptrembl O23054	ND
6076	186.5	AT2G11910 PROTEIN.	tremblnew AAD22502	ND
6077	186.1	ADENOMATOSIS POLYPOSIS COLI (APC) (BALB/C APC).	sptrembl Q61315	ND
6078	186.0	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6079	1854.7	TRANSCRIPTION INITIATION FACTOR TFIID (TATA-BOX FACTOR) (TATA SEQUENCE- BINDING PROTEIN) (TBP).	swissprot Q12731	Transcription
6080	185.8	DJ37E16.2 PROTEIN.	sptrembl Q9Y3L3	ND
6081	185.7	HYPOTHETICAL 30.6 KD PROTEIN.	sptrembl O94440	ND
6082	185.6	CAPSULAR ASSOCIATED PROTEIN.	sptrembl Q9Y8B9	ND
6083	185.6	HAC1 PROTEIN.	swissnew P41546	ND
6084	185.2	CANDIDAPEPSIN 3 PRECURSOR (EC 3.4.23.24) (ASPARTATE PROTEASE 3) (ACP 3) (SECRETED ASPARTIC PROTEASE 3).	swissprot P43092	ND
6085	185.0	GLUTATHIONE S- TRANSFERASE 1 (EC 2.5.1.18) (SR8) (GST CLASS- THETA).	swissprot P28342	ND
6086	1841.8	FATTY ACID SYNTHASE, ALPHA SUBUNIT.	sptrembl P78615	Lipid metabolism

6087	184.9	PROTEIN PHOSPHATASE 2C HOMOLOG 3 (EC 3.1.3.16) (PP2C-3).	swissprot Q09173	ND
6088	184.7	PUTATIVE IMPORTIN ALPHA SUBUNIT (FRAGMENT).	tremblnew BAA87276	ND
6089	184.6	HYPOTHETICAL 69.2 KD PROTEIN IN HSP30-PMP1 INTERGENIC REGION.	swissprot P25351	ND
6090	184.6	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83714	ND
6091	184.3	HYPOTHETICAL PROTEIN IN LEU2 3'REGION (FRAGMENT).	swissprot P34735	ND
6092	184.3	REGION B OF COSMID SCY07H7.	sptrembl O06266	ND
6093	184.1	VIRAL PROTEIN TPX.	swissprot P19275	ND
6094	184.1	SON OF SEVENLESS PROTEIN HOMOLOG 1 (SOS-1) (MSOS-1).	swissprot Q62245	ND
6095	184.0	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6096	1839.9	HYPOTHETICAL 44.3 KD PROTEIN C27E2.03C IN CHROMOSOME I.	sptrembl O13998	ND
6097	1832.6	PUTATIVE DISULFIDE ISOMERASE TIGA PRECURSOR (EC 5.3.4.1).	swissprot Q00216	ND
6098	1830.2	CYSTEIN RICH PROTEIN.	sptrembl O13319	ND
6099	183.9	DENTIN PHOSPHOPROTEIN PRECURSOR.	sptrembl P70578	ND
6100	183.9	EXTENSIN-LIKE PROTEIN.	tremblnew CAB40774	ND
6101	183.9	HU1-70K SMALL NUCLEAR RNP PROTEIN (RNP12) (FRAGMENT).	sptrembl P78494	ND
6102	183.8	HYPOTHETICAL 35.1 KD PROTEIN.	tremblnew CAB38264	ND
6103	183.7	PUTATIVE CARBOXYPEPTIDASE.	sptrembl Q9X7P4	ND
6104	183.7	HYPOTHETICAL 113.1 KD PROTEIN IN PRE5-FET4 INTERGENIC REGION.	swissprot Q04893	ND
6105	183.7	Mycobacterium tuberculosis antigen TbH-30.	geneseqp W64360	ND
6106	183.6	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6107	183.4	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
6108	183.4	NITROGEN METABOLITE REPRESSION REGULATOR NMRA.	sptrembl O59919	ND
6109	183.4	MEI2 protein kinase PAT1 encoded by AR301.	geneseqp W00160	ND
6110	183.3	GENOME, PARTIAL SEQUENCE.	sptrembl Q84529	ND
6111	183.2	LARGE TEGUMENT	swissprot P03186	ND

		PROTEIN.		
6112	182.9	PREDICTED PROTEIN OF UNKNOWN FUNCTION.	sptrembl O22758	ND
6113	182.6	HYPOTHETICAL 28.3 KD PROTEIN IN AROD-COMER INTERGENIC REGION.	swissprot P54458	ND
6114	182.6	SALIVARY PROLINE-RICH PROTEIN RP15 PRECURSOR.	sptrembl Q04154	ND
6115	182.5	MITOCHONDRIAL OUTER MEMBRANE PROTEIN MMM1.	swissprot P41800	ND
6116	182.3	EXTENSIN=NODULE-SPECIFIC PROLINE-RICH PROTEIN {CLONE VFNDSE}.	tremblnew G425682	ND
6117	182.3	F24K9.9 PROTEIN.	tremblnew AAF00656	ND
6118	182.1	DNA-DIRECTED RNA POLYMERASE II LARGE (205KD) SUBUNIT (EC 2.7.7.6) (FRAGMENT).	sptrembl Q99368	ND
6119	182.0	AT2G42310 PROTEIN.	tremblnew AAD23714	ND
6120	1812.2	G PROTEIN ALPHA SUBUNIT HOMOLOG GANAP.	sptrembl Q9Y7E3	ND
6121	1810.8	MEDUSA.	sptrembl O74251	ND
6122	1810.1	ISOCITRATE LYASE (EC 4.1.3.1) (ISOCITRASE) (ISOCITRATASE) (ICL).	swissprot P28298	Energy production and conversion
6123	181.8	PUTATIVE GLUCOSAMINE--FRUCTOSE-6-PHOSPHATE AMINOTRANSFERASE [ISOMERIZING] (EC 2.6.1.16) (HEXOSEPHOSPHATE AMINOTRANSFERASE) (D-FRUCTOSE-6-PHOSPHATE AMIDOTRANSFERASE) (GFAT).	swissprot Q09740	ND
6124	181.8	HYPOTHETICAL 15.8 KD PROTEIN IN SMI1-PHO81 INTERGENIC REGION.	swissprot P50084	ND
6125	181.7	NTR.	tremblnew AAF23950	ND
6126	181.6	HYPOTHETICAL 15.6 KD PROTEIN C29B12.13 IN CHROMOSOME I.	sptrembl O14034	ND
6127	181.6	QUINATE PERMEASE (QUINATE TRANSPORTER).	swissprot P15325	ND
6128	181.4	HYPOTHETICAL 15.2 KD PROTEIN.	sptrembl Q9XEF8	ND
6129	181.3	M. tuberculosis antigen TbH-30 amino acid sequence.	geneseqp Y39157	ND
6130	181.1	EXTENSIN PRECURSOR (CELL WALL	swissprot P13983	ND

		HYDROXYPROLINE-RICH GLYCOPROTEIN).		
6131	181.1	PUTATIVE SNRNP PROTEIN.	tremblnew CAB45810	ND
6132	181.0	CEOA.	sptrembl O06470	ND
6133	1809.7	GENERAL AMINO-ACID PERMEASE GAP1.	swissprot P19145	Amino acid transport and metabolism
6134	1801.9	Aspergillus oryzae alpha-glucosidase.	geneseq W15191	ND
6135	180.9	C-HORDEIN.	sptrembl Q41210	ND
6136	180.9	TRFA.	sptrembl O77033	ND
6137	180.9	HIGH MOLECULAR WEIGHT BASIC NUCLEAR PROTEIN (FRAGMENT).	sptrembl Q91238	ND
6138	180.9	Human breast tumour-associated protein 62.	geneseq Y48517	ND
6139	180.6	SPLICEOSOME ASSOCIATED PROTEIN 49 (SAP 49) (SF3B53).	swissprot Q15427	ND
6140	180.5	PUTATIVE VICILIN STORAGE PROTEIN (GLOBULIN-LIKE).	sptrembl Q9ZU69	ND
6141	180.5	Fragment of human secreted protein encoded by gene 79.	geneseq Y41541	ND
6142	180.4	PROBABLE MONOOXYGENASE RV0892 (EC 1.14.13.-).	swissnew Q10532	ND
6143	180.2	HYPOTHETICAL 50.3 KD PROTEIN.	tremblnew CAB55170	ND
6144	180.1	Mycobacterium species protein sequence 5C'.	geneseq Y04776	ND
6145	1791.2	GLUCOSE-6-PHOSPHATE 1-DEHYDROGENASE (EC 1.1.1.49) (G6PD).	swissprot P48826	Carbohydrate transport and metabolism
6146	1790.6	PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] (EC 4.1.1.49).	swissprot O43112	Energy production and conversion
6147	179.8	SERINE 2 ULTRA HIGH SULFUR PROTEIN.	sptrembl Q62220	ND
6148	179.4	CYCLOPHILIN-RELATED PROTEIN.	tremblnew AAA35734	ND
6149	179.3	PROLINE-RICH PROTEIN.	sptrembl Q64306	ND
6150	178.9	HYPOTHETICAL PROTEIN C30B4.01C IN CHROMOSOME II (FRAGMENT).	sptrembl P87179	ND
6151	178.5	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN (FRAGMENT).	sptrembl Q40552	ND
6152	178.4	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83714	ND
6153	178.3	GLUE PROTEIN.	sptrembl Q27929	ND
6154	178.2	HYPOTHETICAL 14.0 KD PROTEIN IN RPL15B-GCR3 INTERGENIC REGION.	swissprot Q03880	ND
6155	178.1	EXTENSIN-LIKE PROTEIN.	tremblnew	ND

			CAB37452	
6156	178.0	YFKN PROTEIN.	sptrembl O34313	ND
6157	178.0	GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1) (GAMMA-BUTYROBETAINE HYDROXYLASE) (GAMMA-BBH).	swissprot P80193	ND
6158	1771.1	ALTERNATIVE OXIDASE PRECURSOR (EC 1.-.-.-).	swissnew O74180	ND
6159	177.9	AP-1-LIKE TRANSCRIPTION FACTOR.	tremblnew CAB66170	ND
6160	177.9	HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR.	swissprot P47179	ND
6161	177.8	HYPOTHETICAL STRUCTURAL PROTEIN.	tremblnew CAB53076	ND
6162	177.6	HYPOTHETICAL 77.4 KD PROTEIN.	sptrembl O65530	ND
6163	177.6	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
6164	177.4	HYPOTHETICAL 14.0 KD PROTEIN.	sptrembl O74383	ND
6165	177.4	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
6166	177.2	FROM BASES 2561111 TO 2573808 (SECTION 222 OF 400) OF THE COMPLETE GENOME (SECTION 222 OF 400).	sptrembl P76555	ND
6167	177.1	PEARLI 1-LIKE PROTEIN.	tremblnew CAB41720	ND
6168	177.1	TRANSCRIPTION FACTOR ZFM1.	sptrembl Q15637	ND
6169	177.0	CORE PROTEIN.	sptrembl Q64897	ND
6170	177.0	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29070	ND
6171	177.0	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
6172	1764.6	Aspergillus oryzae porphobilinogen synthase.	geneseqp W30558	Coenzyme metabolism
6173	1760.0	CITRATE SYNTHASE, MITOCHONDRIAL PRECURSOR (EC 4.1.3.7).	swissprot P51044	Energy production and conversion
6174	176.8	Human complement factor CR4 vWF domain sequence.	geneseqp Y21992	ND
6175	176.8	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29070	ND
6176	176.7	C24B5.5 PROTEIN.	tremblnew AAD31546	ND
6177	176.7	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
6178	176.4	SPLICING FACTOR, ARGININE/SERINE-RICH 8 (SUPPRESSOR OF WHITE APRICOT PROTEIN HOMOLOG).	swissprot Q12872	ND

6179	176.3	EXTENSIN.	sptrembl Q39599	ND
6180	176.3	PROLINE-RICH MUCIN HOMOLOG.	sptrembl Q9XDH2	ND
6181	176.3	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6182	176.2	HYPOTHETICAL 41.5 KD PROTEIN.	tremblnew CAB66198	ND
6183	176.2	AP-1-LIKE TRANSCRIPTION FACTOR.	swissprot P56095	ND
6184	1750.0	PUTATIVE ATP-CITRATE (PRO-S-)-LYASE (EC 4.1.3.8) (CITRATE CLEAVAGE ENZYME).	sptrembl O13907	ND
6185	175.9	SF16 ISOLOG.	sptrembl O22835	ND
6186	175.5	HEPATITIS A VIRUS RECEPTOR.	sptrembl O18984	ND
6187	175.4	HYPOTHETICAL 52.3 KD PROTEIN IN MRPL10-ERG24 INTERGENIC REGION PRECURSOR.	swissprot P53832	ND
6188	175.3	F19G14.12 PROTEIN.	sptrembl Q9XIL9	ND
6189	175.3	HYPOTHETICAL 59.4 KD PROTEIN.	sptrembl Q89392	ND
6190	174.9	PUTATIVE TRANSCRIPTIONAL ACTIVATOR.	tremblnew CAB59617	ND
6191	174.8	MRNA EXPRESSED IN CUCUMBER HYPOCOTYLS, COMPLETE CDS.	sptrembl Q9XIV1	ND
6192	174.7	Teredinibacter endoglucanase.	geneseqp W34989	ND
6193	174.7	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
6194	174.6	KIAA0396 (FRAGMENT).	sptrembl O43146	ND
6195	174.6	HYPOTHETICAL PROLINE- RICH PROTEIN (FRAGMENT).	swissprot P21260	ND
6196	174.6	P210 PROTEIN (FRAGMENT).	sptrembl Q9XGA4	ND
6197	174.2	Helix modification recognition protein Hmp1.	geneseqp W19120	ND
6198	174.0	Human alternatively spliced ETS2 repressor factor (AERF).	geneseqp W07701	ND
6199	1736.2	ACETAMIDASE REGULATORY PROTEIN.	swissprot Q06157	ND
6200	173.9	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46597	ND
6201	173.9	TYROSINE-PROTEIN KINASE RECEPTOR TIE-1 PRECURSOR (EC 2.7.1.112).	swissprot Q06806	ND
6202	173.9	EXTENSIN.	sptrembl Q39599	ND
6203	173.9	PUTATIVE SPINDLE POLE BODY COMPONENT, PUTATIVE GAMMA-	sptrembl O94366	ND

		TUBULIN INTERACTING PROTEIN, YEAST SCP98 HOMOLOG (FRAGMENT).		
6204	173.9	F35E2.5 PROTEIN.	sptrembl O62223	ND
6205	173.9	PUTATIVE.	sptrembl Q9ZKY5	ND
6206	173.8	HYPOTHETICAL 76.9 KD PROTEIN.	sptrembl O43085	ND
6207	173.8	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6208	173.8	FIBROIN-4 (FRAGMENT).	sptrembl Q16988	ND
6209	173.7	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (PELP).	swissprot Q03211	ND
6210	173.6	ANOTHER TRANSCRIPTION UNIT PROTEIN (ATU).	sptrembl Q94546	ND
6211	173.6	(VSP-3) PRECURSOR.	sptrembl Q39620	ND
6212	173.5	SER/ARG-RELATED NUCLEAR MATRIX PROTEIN.	sptrembl O60585	ND
6213	173.5	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
6214	173.4	WP6 PRECURSOR.	sptrembl Q39492	ND
6215	173.3	SALIVARY PROLINE-RICH PROTEIN RP4 PRECURSOR.	sptrembl Q04117	ND
6216	173.3	Fragmented human NF-H gene +2 frameshift mutant product.	geneseqp W18663	ND
6217	173.2	K09A9.6 PROTEIN.	sptrembl Q93178	ND
6218	173.1	PENICILLIN-BINDING PROTEIN 1.	tremblnew AAF10059	ND
6219	173.1	MICROTUBULE-ASSOCIATED PROTEIN 4 (FRAGMENT).	sptrembl Q98906	ND
6220	173.0	HYPOTHETICAL PROTEIN C30B4.01C IN CHROMOSOME II (FRAGMENT).	sptrembl P87179	ND
6221	173.0	HYPOTHETICAL 29.3 KD PROTEIN (ORF92).	swissprot O10341	ND
6222	1725.6	TIP49.	sptrembl O35753	DNA replication, recombination and repair
6223	172.9	HYPERPOLARIZATION-ACTIVATED CATION CHANNEL, HAC1.	sptrembl O88703	ND
6224	172.8	F40E10.1 PROTEIN.	sptrembl Q20200	ND
6225	172.8	TRANSCRIPTION FACTOR RCC/EPB-1.	sptrembl Q91294	ND
6226	172.8	DNA-DIRECTED RNA POLYMERASE II LARGE (205KD) SUBUNIT (EC 2.7.7.6) (FRAGMENT).	sptrembl Q99366	ND
6227	172.7	M01F1.5 PROTEIN.	sptrembl Q21455	ND
6228	172.4	CUTINASE TRANSCRIPTION FACTOR 1 BETA.	swissprot P52959	ND

6229	172.4	HYPOTHETICAL PROLINE-RICH PROTEIN (FRAGMENT).	swissprot P21260	ND
6230	172.2	STE20/PAK KINASE HOMOLOGUE.	sptrembl O00911	ND
6231	172.1	WP6 PRECURSOR.	sptrembl Q39492	ND
6232	172.0	HYPOTHETICAL 33.4 KD PROTEIN IN RPL44B-RPC10 INTERGENIC REGION PRECURSOR.	swissprot P38844	ND
6233	172.0	TRANSCRIPTION FACTOR MBP1 (MBF SUBUNIT P120).	swissprot P39679	ND
6234	1710.3	ER CHAPERONE BIP.	tremblnew BAA82597	Posttranslational modification, protein turnover, chaperones
6235	171.8	MEROZOITE SURFACE PROTEIN 2 (FRAGMENT).	sptrembl O15691	ND
6236	171.8	TRANSCRIPTION FACTOR AP-2 ISOFORM 1 (FRAGMENT).	sptrembl Q60740	ND
6237	171.8	Y41E3.2 PROTEIN.	sptrembl O62432	ND
6238	171.7	PEARL1 4 PROTEIN.	tremblnew AAD29820	ND
6239	171.3	CONSERVED HYPOTHETICAL PROTEIN.	tremblnew AAF10001	ND
6240	171.2	ACETYLXYLAN ESTERASE PRECURSOR (EC 3.1.1.72).	sptrembl Q99034	ND
6241	171.1	HOMEBOX PROTEIN.	sptrembl Q98911	ND
6242	171.1	ATPASE 6.	sptrembl Q33561	ND
6243	1703.0	ALANYL DIPEPTIDYL PEPTIDASE.	sptrembl Q9Y8E3	Amino acid transport and metabolism
6244	1701.3	DNA POLYMERASE EPSILON HOMOLOG.	sptrembl O93845	DNA replication, recombination and repair
6245	170.8	FIBROIN HEAVY CHAIN PRECURSOR (FIB-H) (FRAGMENTS).	swissprot P05790	ND
6246	170.7	Fragmented human NF-H gene +2 frameshift mutant product.	geneseqp W18663	ND
6247	170.7	PUTATIVE EXTENSIN.	sptrembl Q9ZNU3	ND
6248	170.6	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46598	ND
6249	170.2	MULTIDRUG RESISTANCE PROTEIN 2 (MULTIDRUG-EFFLUX TRANSPORTER 2).	swissprot P39843	ND
6250	170.1	ZONA PELLUCIDA PROTEIN (ZP).	sptrembl Q91236	ND
6251	170.1	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83714	ND
6252	1693.9	SACCHAROPINE	swissprot P38999	Amino acid

		DEHYDROGENASE [NADP+, L-GLUTAMATE FORMING] (EC 1.5.1.10).		transport and metabolism
6253	1690.9	NITRITE REDUCTASE [NAD(P)H] (EC 1.6.6.4).	swissprot P22944	Energy production and conversion
6254	169.9	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
6255	169.6	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6256	169.6	SYNAPSIN I (FRAGMENT).	sptrembl O62732	ND
6257	169.6	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.	swissprot P32323	ND
6258	169.4	SUPPRESSOR PROTEIN SRP40.	swissprot P32583	ND
6259	169.3	KIAA1052 PROTEIN.	tremblnew BAA83004	ND
6260	169.3	LACTATE DEHYDROGENASE (EC 1.1.1.27).	sptrembl Q43000	ND
6261	169.1	DNA METHYLASE.	sptrembl O33298	ND
6262	168.8	HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556.	swissprot P20186	ND
6263	168.5	HP8 PEPTIDE.	sptrembl Q92657	ND
6264	168.5	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6265	168.5	HOMEBOX PROTEIN GMIX.	sptrembl O73592	ND
6266	168.2	GNAS1 PROTEIN (FRAGMENT).	sptrembl O75685	ND
6267	168.1	PVA1 GENE.	sptrembl Q26195	ND
6268	168.0	SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS).	swissprot P49901	ND
6269	1672.1	HEXOSE TRANSPORTER.	sptrembl O13311	ND
6270	167.7	SER/ARG-RELATED NUCLEAR MATRIX PROTEIN.	sptrembl O60585	ND
6271	167.5	IRON TRANSPORT MULTICOPPER OXIDASE PRECURSOR (EC 1.-.-.-).	swissprot P38993	ND
6272	167.5	NUCLEAR PROTEIN.	sptrembl Q24898	ND
6273	167.5	FERTILIZATION-INDEPENDENT SEED 2 PROTEIN.	sptrembl Q9ZNT9	ND
6274	167.5	P2567 PROTEIN.	sptrembl Q99373	ND
6275	167.4	HYPOTHETICAL 29.3 KD PROTEIN.	sptrembl O74943	ND
6276	167.2	SPLICING COACTIVATOR SUBUNIT SRM300.	tremblnew AAF21439	ND
6277	167.1	F23M19.11 PROTEIN.	sptrembl Q9XIC7	ND
6278	167.1	HYPOTHETICAL 26.6 KD PROTEIN C17A2.10C IN CHROMOSOME I.	sptrembl O13760	ND

6279	167.1	HYPOTHETICAL 133.5 KD PROTEIN F26C11.3 IN CHROMOSOME II.	swissprot Q09550	ND
6280	167.0	LONG-CHAIN-FATTY-ACID COA LIGASE.	sptrembl O51162	ND
6281	166.9	ULTRA HIGH SULFER KERATIN.	sptrembl O75690	ND
6282	166.9	F12K2.3 PROTEIN.	sptrembl Q9XIP3	ND
6283	166.9	IMMEDIATE-EARLY PROTEIN IE180.	swissprot P33479	ND
6284	166.9	EXTENSIN-LIKE PROTEIN.	tremblnew CAB40774	ND
6285	166.9	LOW MOLECULAR WEIGHT GLUTENIN (FRAGMENT).	sptrembl Q41552	ND
6286	166.7	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
6287	166.7	TYPE VII COLLAGEN.	sptrembl Q63870	ND
6288	166.5	ENDO16 PROTEIN (FRAGMENT).	swissprot P13665	ND
6289	166.5	CYSTEINE-RICH PROTEIN (FRAGMENT).	sptrembl Q16861	ND
6290	166.4	CELL WALL-PLASMA MEMBRANE LINKER PROTEIN.	sptrembl Q39353	ND
6291	166.4	RETINA-DERIVED POU-DOMAIN FACTOR-1.	sptrembl P78425	ND
6292	166.4	HYPOTHETICAL 59.1 KD SERINE-RICH PROTEIN C23C4.10 IN CHROMOSOME I.	sptrembl O13930	ND
6293	166.4	DENTIN PHOSPHOPROTEIN PRECURSOR.	sptrembl P70578	ND
6294	166.3	GLUE PROTEIN.	sptrembl Q27423	ND
6295	166.3	NTR.	tremblnew AAF23950	ND
6296	166.2	36.4 KD PROLINE-RICH PROTEIN.	swissprot Q00451	ND
6297	166.2	F4P13.11 PROTEIN.	tremblnew AAF01541	ND
6298	166.1	F-BOX PROTEIN FBX11 (FRAGMENT).	tremblnew AAF04520	ND
6299	166.0	PROTEIN TYROSINE PHOSPHATASE, RECEPTOR TYPE, C PRECURSOR (EC 3.1.3.48) (LYMPHOCYTE COMMON ANTIGEN).	sptrembl Q61812	ND
6300	1653.7	FUMARYLACETOACETASE (EC 3.7.1.2) (FUMARYLACETOACETATE HYDROLASE) (BETA-DIKETONASE) (FAA) (FAAH) (FAH).	sptrembl Q00770	ND
6301	165.9	Amino acid sequence of a collagen-like protein.	geneseqp Y23937	ND
6302	165.9	KIAA0775 PROTEIN.	sptrembl O94873	ND

6303	165.8	HYPOTHETICAL 15.4 KD PROTEIN YPR056C.	sptrembl Q12160	ND
6304	165.7	2-HYDROXY-6-KETONONA-2,4-DIENOATE HYDROLASE.	sptrembl O05145	ND
6305	165.7	G-BOX BINDING FACTOR (GBF).	swissprot P36417	ND
6306	165.7	F4P13.11 PROTEIN.	tremblnew AAF01541	ND
6307	165.6	POP3.	sptrembl O74184	ND
6308	165.3	NADH-UBIQUINONE OXIDOREDUCTASE ASH1 SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-ASH1) (CI-ASH1).	swissprot Q02372	ND
6309	165.3	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6310	165.3	HYPOTHETICAL 18.3 KD PROTEIN.	tremblnew CAB65601	ND
6311	165.2	MATING PROCESS PROTEIN MID2 (SERINE-RICH PROTEIN SMS1) (PROTEIN KINASE A INTERFERENCE PROTEIN).	swissprot P36027	ND
6312	165.2	ORF OF UNKNOWN FUNCTION.	sptrembl Q09149	ND
6313	165.1	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
6314	165.0	VITELLINE MEMBRANE PROTEIN HOMOLOG.	sptrembl O01362	ND
6315	1649.9	C-4 METHYL STEROL OXIDASE (EC 1.-.-.-).	swissprot O59933	ND
6316	1644.6	DIACYLGLYCEROL LIPASE.	sptrembl P78583	ND
6317	164.9	CELL SURFACE GLYCOPROTEIN 1 PRECURSOR (OUTER LAYER PROTEIN B) (S-LAYER PROTEIN 1).	swissprot Q06852	ND
6318	164.9	HYPOTHETICAL 97.8 KD PROTEIN.	sptrembl O94685	ND
6319	164.3	ISOFLAVONE REDUCTASE HOMOLOG (EC 1.3.1.-).	swissprot P52578	ND
6320	164.2	O-METHYLTRANSFERASE.	sptrembl O07431	ND
6321	164.1	Y41E3.11 PROTEIN.	tremblnew CAB63361	ND
6322	164.0	HYPOTHETICAL 39.1 KD PROTEIN.	sptrembl Q9XE89	ND
6323	1639.4	Aspergillus oryzae AreA regulator protein.	geneseqp W31630	ND
6324	1637.8	Hydroxyphenyl pyruvate dehydrogenase (HPDD) protein.	geneseqp Y15821	ND
6325	1636.3	SUCCINATE DEHYDROGENASE [UBIQUINONE] IRON-	swissnew O42772	Energy production and conversion

		SULFUR PROTEIN, MITOCHONDRIAL PRECURSOR (EC 1.3.5.1) (IP).		
6326	1633.0	A. niger SFAG 2 carboxypeptidase Y.	geneseq R96738	ND
6327	163.9	SIMILARITY TO CHICKEN LIMB DEFORMITY PROTEIN.	sptrembl Q22534	ND
6328	163.9	HYPOTHETICAL PROTEIN IRL5 (TRL5).	swissprot P16803	ND
6329	163.9	5E5 ANTIGEN.	swissprot Q63003	ND
6330	163.8	VITELLOGENIN (FRAGMENT).	sptrembl Q90237	ND
6331	163.6	Nucleic acid binding domain from apoB-100.	geneseq W96830	ND
6332	163.6	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR.	swissprot P40602	ND
6333	163.6	ARGININE-RICH 54 KD NUCLEAR PROTEIN.	sptrembl Q05519	ND
6334	163.5	XSMAD4A.	sptrembl Q9W639	ND
6335	163.4	PRP4 PROTEIN KINASE HOMOLOG (FRAGMENT).	sptrembl O88378	ND
6336	163.2	SUPPRESSOR PROTEIN SRP40.	swissprot P32583	ND
6337	163.2	HYPOTHETICAL 77.4 KD PROTEIN.	sptrembl O65530	ND
6338	163.1	PROLINE-RICH SALIVARY PROTEIN (FRAGMENT).	sptrembl Q62107	ND
6339	1622.8	GUANINE NUCLEOTIDE- BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (CROSS- PATHWAY CONTROL WD-REPEAT PROTEIN CPC-2).	swissprot Q01369	ND
6340	1620.0	GLUTAMINASE A.	tremblnew BAA86934	ND
6341	162.9	Peptide fragment of N-type calcium channel.	geneseq R96419	ND
6342	162.9	IMMEDIATE-EARLY PROTEIN IE-0.	swissprot O10369	ND
6343	162.8	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P13730	ND
6344	162.7	TOUCAN PROTEIN.	sptrembl O46112	ND
6345	162.7	COMPLETE GENOME.	tremblnew AAF19337	ND
6346	162.6	SALIVARY PROLINE-RICH PROTEIN II-1 (FRAGMENT).	swissprot P81489	ND
6347	162.6	MUCIN (FRAGMENT).	sptrembl Q14888	ND
6348	162.6	WD REPEAT PROTEIN.	tremblnew CAB52157	ND
6349	162.5	SIMILAR TO DROSOPHILA MELANOGASTER ANKYRIN.	sptrembl Q84566	ND
6350	162.3	Notch hN5k full length clone.	geneseq R28964	ND

6351	162.2	PROBABLE PROLYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.15) (PROLINE-- TRNA LIGASE) (PRORS).	swissprot P39965	ND
6352	162.2	CODED FOR BY C. ELEGANS CDNA YK91G9.5.	sptrembl Q21721	ND
6353	162.2	S. lavendulae ORF3 gene product.	geneseqp R72381	ND
6354	162.2	THIOREDOXIN.	swissnew P50338	ND
6355	162.1	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P14918	ND
6356	162.0	HYPOTHETICAL 48.2 KD PROTEIN.	sptrembl Q04921	ND
6357	1614.5	EUKARYOTIC INITIATION FACTOR 4A (EIF-4A).	swissprot P47943	DNA replication, recombination and repair
6358	1611.8	SIGNAL RECOGNITION PARTICLE 54 KD PROTEIN HOMOLOG.	swissprot Q00179	Cell motility and secretion
6359	161.9	LDLBP.	sptrembl Q9Z160	ND
6360	161.8	HYPOTHETICAL 36.5 KD PROTEIN.	tremblnew AAD49213	ND
6361	161.8	DEFECTIVE CHORION-1 PROTEIN PRECURSOR (FRAGMENTS).	sptrembl Q23933	ND
6362	161.7	TEGUMENT PROTEIN.	sptrembl O09799	ND
6363	161.6	MUCIN-LIKE PROTEIN.	sptrembl O77242	ND
6364	161.5	336AA LONG HYPOTHETICAL DTD-GLUCOSE 4,6-DEHYDRATASE.	sptrembl O58151	ND
6365	161.4	WW DOMAIN BINDING PROTEIN 11.	sptrembl O88539	ND
6366	161.2	NOC1 PROTEIN.	sptrembl P79065	ND
6367	161.1	PUTATIVE TRANSCRIPTIONAL REGULATOR.	sptrembl O13337	ND
6368	161.1	Human N-methyl-D-aspartate receptor subunit encoded by clone NMDA24.	geneseqp W87504	ND
6369	161.0	THERMAL HYSTERESIS PROTEIN ISOFORM 4-9 PRECURSOR.	tremblnew AAD55256	ND
6370	161.0	M. tuberculosis immunogenic polypeptide TbH-29.	geneseqp W81726	ND
6371	1608.6	Aspergillus niger Sulphydryl oxidase (SOX).	geneseqp R43074	ND
6372	1604.5	ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).	swissprot P16928	Lipid metabolism
6373	1603.1	40S RIBOSOMAL PROTEIN S3AE (S1).	swissprot P40910	Translation, ribosomal structure and

				biogenesis
6374	1602.9	NADH-UBIQUINONE OXIDOREDUCTASE 30.4 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-30KD) (CI- 31KD).	swissprot P23710	Energy production and conversion
6375	160.8	ATTACHMENT PROTEIN.	sptrembl Q65306	ND
6376	160.7	L3162.7.	sptrembl O60978	ND
6377	160.7	HYPOTHETICAL 49.6 KD PROTEIN C18B11.03C IN CHROMOSOME I.	swissprot Q09710	ND
6378	160.6	Y53H1A.1 PROTEIN.	tremblnew CAB63392	ND
6379	160.6	ARGININE/SERINE-RICH PROTEIN.	tremblnew AAF19004	ND
6380	160.6	CODED FOR BY C. ELEGANS CDNA YK60B10.5.	sptrembl Q94247	ND
6381	160.5	HYPOTHETICAL 57.2 KD PROTEIN.	sptrembl O68872	ND
6382	160.1	SERINE/ARGININE-RICH PROTEIN.	tremblnew AAF17288	ND
6383	160.1	WUGSC:H_NH0353P23.1 PROTEIN (FRAGMENT).	sptrembl O95033	ND
6384	160.0	LOW MOLECULAR WEIGHT GLUTENIN SUBUNIT PRECURSOR (FRAGMENT).	sptrembl Q9XGE9	ND
6385	160.0	JAGGED 2 (JAGGED 2 PROTEIN) (FRAGMENT).	sptrembl O70219	ND
6386	159.9	Peptide encoded by HRGP gene cassette incorporating a GAGP construct.	geneseqp Y01282	ND
6387	159.8	ADRENAL CREB-RP HOMOLOG.	sptrembl Q99635	ND
6388	159.7	HYPOTHETICAL 29.0 KD PROTEIN.	sptrembl Q9Y7C9	ND
6389	159.7	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q40692	ND
6390	159.7	Mouse Fas-binding protein Daxx.	geneseqp W61532	ND
6391	159.4	TRANSPOSASE.	sptrembl Q9WXF7	ND
6392	159.4	KIAA0303 (FRAGMENT).	sptrembl O15021	ND
6393	159.4	HYPOTHETICAL 31.5 KD PROTEIN.	swissprot P46218	ND
6394	159.4	COILED-COIL PROTEIN.	sptrembl Q9Y708	ND
6395	159.4	MUCIN-LIKE PROTEIN.	sptrembl Q9YMX0	ND
6396	159.3	TAIL-SPECIFIC THYROID HORMONE UP-REGULATED (GENE 5).	sptrembl Q91638	ND
6397	159.2	EXTENSIN-LIKE PROTEIN.	tremblnew AAD55980	ND
6398	159.2	HYPOTHETICAL 96.9 KD PROTEIN.	tremblnew CAA22569	ND

6399	1587.5	A. crysogenum cystathionine beta-synthase.	geneseqp R72589	Amino acid transport and metabolism
6400	1584.8	PENTAFUNCTIONAL AROM POLYPEPTIDE [INCLUDES: 3-DEHYDROQUINATE SYNTHASE (EC 4.6.1.3); 3-DEHYDROQUINATE DEHYDRATASE (EC 4.2.1.10) (3-DEHYDROQUINASE); SHIKIMATE 5-DEHYDROGENASE (EC 1.1.1.25); SHIKIMATE KINASE (EC 2.7.1.71); EPSP SYNTHASE (EC 2.5.1.19)].	swissnew P07547	Amino acid transport and metabolism
6401	158.8	PAP8 PRODUCT (FRAGMENT).	sptrembl Q43586	ND
6402	158.8	CODED FOR BY C. ELEGANS CDNA YK127B8.5.	sptrembl Q20648	ND
6403	158.8	N-WASP.	sptrembl O00401	ND
6404	158.6	CTG7A (FRAGMENT).	sptrembl O15413	ND
6405	158.6	ENDOSPERM TISSUE PRECURSOR.	sptrembl Q41295	ND
6406	158.6	Fragmented human NF-H gene +2 frameshift mutant product.	geneseqp W18663	ND
6407	158.5	HYPOTHETICAL 54.4 KD PROTEIN.	tremblnew CAB51187	ND
6408	158.5	50KD PROLINE RICH PROTEIN.	sptrembl Q9ZBP2	ND
6409	158.5	KIAA0674 PROTEIN (FRAGMENT).	sptrembl Q9Y4D0	ND
6410	158.5	C46C2.1 PROTEIN.	sptrembl Q18657	ND
6411	158.5	F13F21.7 PROTEIN.	sptrembl Q9XIB6	ND
6412	158.4	PROLINE-RICH PROTEIN PRECURSOR.	sptrembl Q41122	ND
6413	158.2	MOBP.	sptrembl Q13874	ND
6414	158.1	ATROPHIN-1 (FRAGMENT).	sptrembl O97923	ND
6415	158.1	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
6416	158.1	CNS MYELIN PROTEIN MOBP-169.	tremblnew AAD44968	ND
6417	158.1	MHC CLASS I CHAIN-RELATED PROTEIN (FRAGMENT).	sptrembl O98020	ND
6418	158.0	EXTENSIN CLASS II PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) (HRGP) (TOML-4).	sptrembl Q09084	ND
6419	1577.4	ACTIN-RELATED PROTEIN ARPA.	sptrembl Q9Y721	Cell division and chromosome partitioning
6420	1576.4	14-3-3 PROTEIN HOMOLOG (TH1433).	swissprot Q99002	ND
6421	1572.6	INORGANIC	swissprot O13505	Energy

		PYROPHOSPHATASE (EC 3.6.1.1) (PYROPHOSPHATE PHOSPHO- HYDROLASE) (PPASE).		production and conversion
6422	157.9	Ubiquitin-beta-galactosidase junction.	geneseqp R22231	ND
6423	157.9	COSMID R153.	sptrembl Q22001	ND
6424	157.9	PROTEASE (EC 3.4.23.-) (FRAGMENT).	sptrembl Q01875	ND
6425	157.9	HYPOTHETICAL 32.8 KD PROTEIN (FRAGMENT).	tremblnew CAB55954	ND
6426	157.8	PUTATIVE CYTOCHROME P450.	tremblnew AAF04170	ND
6427	157.8	HYPOTHETICAL 24.0 KD PROTEIN T28D9.2 IN CHROMOSOME II.	swissprot Q10021	ND
6428	157.7	EXTENSIN-LIKE PROTEIN.	tremblnew CAB40769	ND
6429	157.7	DIBASIC PROCESSING ENDOPROTEASE PRECURSOR (EC 3.4.21.-).	swissprot P42781	ND
6430	157.6	PUTATIVE ZINC FINGER PROTEIN.	sptrembl Q9ZUM9	ND
6431	157.6	MUCIN (FRAGMENT).	sptrembl Q14881	ND
6432	157.6	WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG 1.	sptrembl O36027	ND
6433	157.6	ORF 1 AND ORF2 5' REGION PRECURSOR.	sptrembl Q54913	ND
6434	157.5	CTG26 ALTERNATE OPEN READING FRAME (FRAGMENT).	sptrembl O15421	ND
6435	157.3	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6436	157.3	HYDROLASE 314 aa, chain A	pdb 7PCK	ND
6437	157.2	EMPTY SPIRACLES HOMEOTIC PROTEIN.	swissprot P18488	ND
6438	157.1	POSITIONAL COUNTERPART OF HSV-1 GENE US5.	sptrembl O39307	ND
6439	1567.6	40S RIBOSOMAL PROTEIN S4-2.	tremblnew CAB57920	Translation, ribosomal structure and biogenesis
6440	1566.9	PUTATIVE YEAST CELL DIVISION CYCLE CDC50 HOMOLOG .	sptrembl O94568	ND
6441	1566.3	ACONITASE.	sptrembl O74699	Energy production and conversion
6442	1563.2	VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (EC 3.6.1.34) (V-ATPASE 67 KD SUBUNIT).	swissprot P11592	Energy production and conversion
6443	1562.9	ACETYL-COA ACETYLTRANSFERASE IB (EC 2.3.1.9) (PEROXISOMAL	swissprot Q04677	Lipid metabolism

		ACETOACETYL-COA THIOLASE) (THIOLASE IB).		
6444	156.9	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29071	ND
6445	156.8	G-BOX BINDING PROTEIN.	sptrembl O65887	ND
6446	156.8	HISTIDINE-RICH PROTEIN.	sptrembl O33447	ND
6447	156.8	PROBABLE E4 PROTEIN.	swissprot P17384	ND
6448	156.7	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P24152	ND
6449	156.7	Porphorymonas gingivalis protein PG87.	geneseqp Y34563	ND
6450	156.5	NUCLEOLAR PHOSPHOPROTEIN P130.	sptrembl Q14978	ND
6451	156.4	Residues 253-425 of human type A EBNA2 (strain B95-8).	geneseqp W45092	ND
6452	156.4	PROLINE RICH PROTEIN.	sptrembl O22514	ND
6453	156.4	NADH OXIDASE.	sptrembl Q9WYL1	ND
6454	156.4	HANSENULA MRAKII KILLER TOXIN-RESISTANT PROTEIN 1 PRECURSOR.	swissprot P41809	ND
6455	156.4	HYPOTHETICAL 28.9 KD PROTEIN.	sptrembl Q03931	ND
6456	156.3	Sequence of Histidine-rich protein (HisRP).	geneseqp R24393	ND
6457	156.3	SERINE-RICH PROTEIN.	sptrembl O94317	ND
6458	156.0	NEUROMODULIN (AXONAL MEMBRANE PROTEIN GAP-43) (PP46) (B- 50) (PROTEIN F1) (CALMODULIN-BINDING PROTEIN P-57).	swissprot P55860	ND
6459	156.0	GLYCOPROTEIN G-2 (FRAGMENT).	tremblnew CAB65666	ND
6460	156.0	PRE-NECK APPENDAGE PROTEIN (LATE PROTEIN GP12).	swissprot P20345	ND
6461	156.0	167AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YAM3	ND
6462	156.0	CODED FOR BY C. ELEGANS CDNA CEMSE92F.	sptrembl Q19059	ND
6463	1557.7	PUTATIVE CALCIUM P- TYPE ATPASE (FRAGMENT).	tremblnew CAB65295	Inorganic ion transport and metabolism
6464	1554.5	PUTATIVE THIAZOLE SYNTHASE.	tremblnew AAF25444	ND
6465	155.9	G2 GLYCOPROTEIN (FRAGMENT).	sptrembl O55365	ND
6466	155.9	TR3BETA.	sptrembl Q15627	ND
6467	155.9	R07E5.6 PROTEIN.	sptrembl Q21823	ND
6468	155.8	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q40692	ND
6469	155.8	LORICRIN.	swissprot P23490	ND
6470	155.8	HYPOTHETICAL 11.7 KD	sptrembl Q9Y7P8	ND

		PROTEIN.		
6471	155.8	HL60 cell line protein fragment.	geneseqp W73307	ND
6472	155.7	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P13729	ND
6473	155.6	HYPOTHETICAL PROTEIN (ORF2) (FRAGMENT).	swissprot O33369	ND
6474	155.6	PROLINE RICH PROTEIN.	sptrembl O22514	ND
6475	155.6	EARLY NODULIN 20 PRECURSOR (N-20).	swissprot P93329	ND
6476	155.5	Cotton fibrous tissue specific protein KC03.	geneseqp W15761	ND
6477	155.4	SIGNAL RECEPTOR PROTEIN (FRAGMENT).	tremblnew CAB65469	ND
6478	155.3	HYPOTHETICAL 63.8 KD PROTEIN IN GUT1-RIM1 INTERGENIC REGION PRECURSOR.	swissprot P38739	ND
6479	155.2	INTEGRAL MEMBRANE PROTEIN.	sptrembl Q9Y786	ND
6480	155.2	EYELID.	sptrembl O61603	ND
6481	155.2	KINESIN-LIKE PROTEIN.	sptrembl O94053	ND
6482	155.2	191AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YDC9	ND
6483	155.2	PROTO-ONCOGENE AF4.	sptrembl O88573	ND
6484	155.2	Fructosyl amino acid oxidase.	geneseqp W24134	ND
6485	155.1	PREPROACROSIN.	tremblnew CAA41441	ND
6486	155.1	T04F8.8 PROTEIN.	sptrembl Q22168	ND
6487	155.0	W07G1.3 PROTEIN.	sptrembl Q9XUK2	ND
6488	154.4	TUBULIN BETA CHAIN.	swissprot Q00264	ND
6489	154.3	HYPOTHETICAL 30.8 KD PROTEIN.	sptrembl O74710	ND
6490	154.9	SP85 (FRAGMENT).	sptrembl O61134	ND
6491	154.9	PACMAN PROTEIN.	sptrembl Q9XZU2	ND
6492	154.6	NEURAL RETINA-SPECIFIC LEUCINE ZIPPER PROTEIN (NRL) (D14S46E).	swissprot P54845	ND
6493	154.5	Delivery peptide used in peptide macromolecule complex.	geneseqp W38808	ND
6494	154.4	EXTENSIN-LIKE PROTEIN, DIF54 PRECURSOR.	sptrembl Q43505	ND
6495	154.4	Mycobacterium species protein sequence 41T#2.	geneseqp Y04954	ND
6496	154.3	MEROZOITE SURFACE PROTEIN 1 (FRAGMENT).	tremblnew CAB60129	ND
6497	154.3	HYPOTHETICAL 73.6 KD PROTEIN RV2082.	swissnew Q10690	ND
6498	154.2	Trypanosoma cruzi TCR27 polypeptide, Ag15.	geneseqp R84568	ND
6499	154.2	HYPOTHETICAL 97.1 KD PROTEIN C32A11.02C IN	swissprot Q10327	ND

		CHROMOSOME I.		
6500	154.2	CYTOCHROME B (FRAGMENT).	sptrembl O03563	ND
6501	154.2	KIAA0324 PROTEIN (FRAGMENT).	tremblnew BAA20782	ND
6502	154.2	HIGH MOLECULAR WEIGHT BASIC NUCLEAR PROTEIN (FRAGMENT).	sptrembl Q91238	ND
6503	154.0	PUTATIVE PHOSPHOTRANSFERASE.	sptrembl Q9X8F0	ND
6504	154.0	Y24F12A.4 PROTEIN.	tremblnew CAB60327	ND
6505	1539.0	PROBABLE ISOCITRATE DEHYDROGENASE.	tremblnew CAB62099	Amino acid transport and metabolism
6506	1537.1	PUTATIVE PHOSPHATIDYLINOSITOL-KINASE (FRAGMENT).	sptrembl Q9Y7K2	ND
6507	153.9	MAJOR FACILITATOR SUPERFAMILY PROTEIN.	sptrembl O59738	ND
6508	153.9	SPORE COAT PROTEIN SP96.	swissprot P14328	ND
6509	153.9	HERPES SIMPLEX VIRUS TYPE 2 (STRAIN HG52), COMPLETE GENOME.	sptrembl P90493	ND
6510	153.5	F40H3.1 PROTEIN.	tremblnew AAC67429	ND
6511	153.5	PROLINE RICH PROTEIN.	sptrembl Q91810	ND
6512	153.5	EYELID.	sptrembl O61603	ND
6513	153.5	111AA LONG HYPOTHETICAL PROTEIN.	sptrembl O59222	ND
6514	153.4	PENICILLIN-BINDING PROTEIN 1.	tremblnew AAF10059	ND
6515	153.4	ENDOSTYLE-SPECIFIC.	sptrembl O44238	ND
6516	153.2	PREDICTED PROTEIN.	sptrembl O49570	ND
6517	153.2	SPlicing FACTOR U2AF 65 KD SUBUNIT (U2 AUXILIARY FACTOR 65 KD SUBUNIT) (U2 SNRNP AUXILIARY FACTOR LARGE SUBUNIT) (U2AF65).	swissprot P90727	ND
6518	153.2	HRCQ HOMOLOG.	tremblnew AAD46901	ND
6519	153.2	HYPOTHETICAL 46.5 KD PROTEIN.	sptrembl Q9X7U6	ND
6520	153.1	PUTATIVE 3 BETA-HYDROXYSTEROID DEHYDROGENASE/DELTA 5--4-ISOMERASE (3BETA-HSD) [INCLUDES: 3-BETA-HYDROXY-DELTA(5)-STEROID DEHYDROGENASE (EC 1.1.1.145) (3-BETA-HYDROXY-5-ENE STEROID DEHYDROGENASE) (PROGESTERONE	swissprot P53199	ND

		4.2.99.8) (O-ACETYL SERINE SULFHYDRYLASE) (O-ACETYL SERINE (THIOL)-LYASE) (CSASE).		transport and metabolism
6547	1513.5	ACETAMIDASE (EC 3.5.1.4).	swissprot P08158	ND
6548	1510.5	CYTOCHROME C1, HEME PROTEIN PRECURSOR.	swissprot P07142	ND
6549	151.9	HYPOTHETICAL ZINC-FINGER PROTEIN.	sptrembl O74823	ND
6550	151.8	GIANT SECRETORY PROTEIN I-A PRECURSOR (GSP-IA) (BALBIANI RING-1 CHAIN) (FRAGMENT).	sptrembl Q00625	ND
6551	151.8	PUTATIVE TRANSCRIPTIONAL ACTIVATOR.	sptrembl O59830	ND
6552	151.7	F53B7.5 PROTEIN.	sptrembl Q19522	ND
6553	151.7	PROBABLE GLUCONOKINASE (EC 2.7.1.12) (GLUCONATE KINASE).	swissprot Q10242	ND
6554	151.7	232AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YA94	ND
6555	151.6	GLUTAMYL-TRNA REDUCTASE 3 PRECURSOR (EC 1.2.1.-) (GLUTR).	swissprot O65796	ND
6556	151.5	PROTEASE 1.	sptrembl O13304	ND
6557	151.5	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83717	ND
6558	151.5	HYPOTHETICAL 34.8 KD PROTEIN.	tremblnew CAB41147	ND
6559	151.4	50KD PROLINE RICH PROTEIN.	sptrembl Q9ZBP2	ND
6560	151.4	ORF58.	sptrembl O36408	ND
6561	151.3	HYPOTHETICAL 61.1 KD PROTEIN (FRAGMENT).	tremblnew CAB63715	ND
6562	151.3	SPLICING FACTOR, ARGININE/SERINE-RICH 10 (PUTATIVE MYELIN REGULATORY FACTOR 1) (MRF-1) (FRAGMENT).	swissprot Q60701	ND
6563	151.2	Acetobacter xylinum CMCase ORF2 gene product.	geneseqp W69762	ND
6564	151.2	JC8.8 PROTEIN.	sptrembl O62289	ND
6565	151.2	CCAAT/ENHANCER CORE BINDING PROTEIN.	sptrembl Q91346	ND
6566	151.1	375AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9Y949	ND
6567	151.1	HYDROXYPROLINE-RICH GLYCOPROTEIN PRECURSOR.	sptrembl Q41719	ND
6568	151.0	HYPOTHETICAL 40.0 KD PROTEIN.	tremblnew AAF10516	ND
6569	1509.7	HOMOACONITASE PRECURSOR (EC 4.2.1.36) (HOMOACONITATE HYDRATASE).	swissprot Q92412	ND

6570	1509.3	NMT1 PROTEIN HOMOLOG.	swissprot P42882	Inorganic ion transport and metabolism
6571	1506.7	PHOSPHATIDYLGLYCEROL /PHOSPHATIDYLINOSITOL TRANSFER PROTEIN.	sptrembl O94183	ND
6572	1505.6	6-PHOSPHOGLUCONATE DEHYDROGENASE, DECARBOXYLATING 1 (EC 1.1.1.44).	swissprot P38720	Carbohydrate transport and metabolism
6573	1503.8	A. niger 2,3-dihydroxybenzoic acid decarboxylase protein.	geneseqp W93483	ND
6574	1502.3	CITRATE SYNTHASE, MITOCHONDRIAL PRECURSOR (EC 4.1.3.7).	swissprot O00098	Energy production and conversion
6575	1500.0	GTP-BINDING PROTEIN YPT1.	swissprot P33723	ND
6576	150.9	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
6577	150.8	EMR1 (FRAGMENT).	sptrembl O08743	ND
6578	150.8	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P02840	ND
6579	150.7	OXIDOREDUCTASE, SHORT-CHAIN DEHYDROGENASE/REDUC TASE FAMILY.	tremblnew AAF09705	ND
6580	150.7	PROBABLE E4 PROTEIN.	swissprot P06425	ND
6581	150.6	PUTATIVE ABC- TRANSPORTER, PERMEASE SUBUNIT.	sptrembl Q9Y8J6	ND
6582	150.6	PUTATIVE GLYCOSYLTRANSFERASE.	tremblnew CAB60235	ND
6583	150.5	REGULATORY PROTEIN E2.	sptrembl O40620	ND
6584	150.4	NEM (NEM).	sptrembl Q94543	ND
6585	150.3	HYPOTHETICAL 20.8 KD PROTEIN (FRAGMENT).	sptrembl Q69020	ND
6586	150.2	MAJOR CENTROMERE AUTOANTIGEN B (CENTROMERE PROTEIN B) (CENP-B) (FRAGMENT).	swissnew P49451	ND
6587	150.2	FISSION YEAST (FRAGMENT).	sptrembl P78755	ND
6588	150.2	MULTIDRUG RESISTANCE PROTEIN.	tremblnew AAF15356	ND
6589	150.2	HYPOTHETICAL 42.2 KD PROTEIN.	tremblnew CAB63772	ND
6590	150.2	Human urogenital sinus- derived growth inhibitory factor ps20.	geneseqp W18066	ND
6591	150.2	Immunodominant fragment of flagellar pocket antigen of T. brucei.	geneseqp R85174	ND
6592	150.2	TRANSLATION RELEASE FACTOR SUBUNIT 1.	sptrembl O59948	ND
6593	150.1	KIAA0339.	sptrembl O15047	ND

6594	150.1	T16O11.4 PROTEIN.	tremblnew AAF07827	ND
6595	150.1	SER/ARG-RELATED NUCLEAR MATRIX PROTEIN.	sptrembl O60585	ND
6596	150.0	CYTOCHROME OXIDASE I (FRAGMENT).	sptrembl O21778	ND
6597	150.0	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83714	ND
6598	1496.1	A. oryzae DEBY1058 locus protein sequence.	geneseqp Y39874	Inorganic ion transport and metabolism
6599	1495.3	3-KETOACYL-COA THIOLASE, PEROXISOMAL PRECURSOR (EC 2.3.1.16) (BETA- KETOTHIOLASE) (ACETYL-COA ACYLTRANSFERASE) (PEROXISOMAL 3- OXOACYL- COA THIOLASE).	swissprot Q05493	Lipid metabolism
6600	1495.1	ORYZIN PRECURSOR (EC 3.4.21.63) (ALKALINE PROTEINASE) (ALP) (ASPERGILLUS PROTEINASE B) (ASPERGILLOPEPTIDASE B).	swissprot P12547	Posttranslational modification, protein turnover, chaperones
6601	1494.2	PUTATIVE ARYL- ALCOHOL DEHYDROGENASE AAD14 (EC 1.1.1.-).	swissprot P42884	Energy production and conversion
6602	1494.1	ARGININOSUCCINATE SYNTHASE (EC 6.3.4.5) (CITRULLINE--ASPARTATE LIGASE).	sptrembl O94354	Amino acid transport and metabolism
6603	1493.3	BETA-N- ACETYLHEXOSAMINIDASE PRECURSOR (EC 3.2.1.52).	tremblnew AAF00010	ND
6604	1492.7	AMIDOPHOSPHORIBOSYL TRANSFERASE (EC 2.4.2.14) (GLUTAMINE PHOSPHORIBOSYLPYROPH OSPHATE AMIDOTRANSFERASE) (ATASE).	swissnew Q12698	Nucleotide transport
6606	149.7	61 KD PROTEIN HOMOLOG.	swissprot O10270	ND
6607	149.7	F57H12.6 PROTEIN.	sptrembl O45097	ND
6608	149.6	MATING PROCESS PROTEIN MID2 (SERINE- RICH PROTEIN SMS1) (PROTEIN KINASE A INTERFERENCE PROTEIN).	swissprot P36027	ND
6609	149.6	OMEGA SECALIN.	sptrembl O04365	ND
6610	149.6	PUTATIVE EXTENSIN.	sptrembl	ND

			Q9ZNU3	
6611	149.6	Rabphilin-3A.	geneseqp R57421	ND
6612	149.5	HISTONE H1.	swissprot P23444	ND
6613	149.5	Recombinant transcription enhancer factor 1 RTEF-1A.	geneseqp W58599	ND
6614	149.4	AT2G22180 PROTEIN.	tremblnew AAD23622	ND
6615	149.4	PROLINE RICH PROTEIN.	sptrembl O22514	ND
6616	149.3	Human proteasome-inhibiting protein (PI31).	geneseqp Y31376	ND
6617	149.3	GASTRIC MUCIN (FRAGMENT).	sptrembl Q29070	ND
6618	149.3	PROLINE RICH PROTEIN.	sptrembl O22514	ND
6619	149.3	Y18D10A.12 PROTEIN.	sptrembl Q9XW11	ND
6620	149.2	PROTEIN KINASE DC2 (EC 2.7.1.-).	swissprot P16912	ND
6621	149.2	SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONE CP7) [CONTAINS: BASIC PEPTIDE P-F] (FRAGMENT).	swissprot P02812	ND
6622	149.2	T7I23.17 PROTEIN.	sptrembl O81911	ND
6623	149.0	RIBOSOMAL PROTEIN S4 (FRAGMENT).	tremblnew CAA58926	ND
6624	149.0	Human Nkx2.2 protein fragment corresponding to exon 2.	geneseqp Y25175	ND
6625	1484.6	ADP-RIBOSYLATION FACTOR.	swissprot P34727	ND
6626	1482.2	GTP-BINDING NUCLEAR PROTEIN GSP2/CNR2.	swissprot P32836	ND
6627	148.9	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
6628	148.9	Human neurofilament-M mutant protein fragment 10.	geneseqp Y20728	ND
6629	148.8	TRANSCRIPTION FACTOR SOX-9.	swissprot P48436	ND
6630	148.8	CHROMOBOX HOMOLOG 4 (DROSOPHILA PC CLASS) (TRANSCRIPTIONAL REPRESSOR MPC2).	sptrembl O55187	ND
6631	148.7	Human apolipoprotein E mutant protein fragment 11.	geneseqp Y20298	ND
6632	148.7	Human secreted protein encoded from gene 16.	geneseqp Y30826	ND
6633	148.5	ZINC FINGER PROTEIN GLI3.	swissnew Q61602	ND
6634	148.5	HYPOTHETICAL 35.1 KD PROTEIN.	tremblnew CAB38264	ND
6635	148.4	F23H12.1 PROTEIN.	sptrembl Q19767	ND
6636	148.4	56 KD TYPE-SPECIFIC ANTIGEN PRECURSOR (TSA) (56 KD SCRUB TYPHUS ANTIGEN) (STA56) (TSR56).	swissprot P37916	ND

6637	148.3	OPACITY OUTERMEMBRANE PROTEIN (FRAGMENT).	sptrembl Q51125	ND
6638	148.3	M. grisea PTH12 gene product.	geneseqp Y06786	ND
6639	148.2	CAMP RESPONSE ELEMENT-BINDING PROTEIN CRE-BPA (FRAGMENT).	tremblnew AAC79689	ND
6640	148.2	ENVELOPE POLYPROTEIN GP160 PRECURSOR [CONTAINS: EXTERIOR MEMBRANE GLYCOPROTEIN (GP120); TRANSMEMBRANE GLYCOPROTEIN (GP41)].	swissprot P15831	ND
6641	148.2	Glucose repressor CRE1 of T. harzianum.	geneseqp W13845	ND
6642	148.2	Trypanosoma cruzi antigen repeat sequence.	geneseqp W19102	ND
6643	148.2	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
6644	148.1	U2 SMALL NUCLEAR RIBONUCLEOPROTEIN AUXILIARY FACTOR 35 KD SUBUNIT RELATED- PROTEIN 1.	swissprot Q15695	ND
6645	148.1	PUTATIVE ACETYL TRANSFERASE.	tremblnew AAF05992	ND
6646	148.1	AMPHOTROPIC MURINE RETROVIRUS RECEPTOR.	sptrembl Q63488	ND
6647	148.1	40S RIBOSOMAL PROTEIN S4 (S7) (YS6) (RP5).	swissprot P05753	ND
6648	148.0	HYPOTHETICAL 316.1 KD PROTEIN ZC84.1 IN CHROMOSOME III.	swissprot Q03610	ND
6649	1473.8	ALPHA-GLUCOSIDASE (EC 3.2.1.20) (MALTASE).	swissprot Q02751	Carbohydrate transport and metabolism
6650	1472.1	60S RIBOSOMAL PROTEIN L1-B (L10A).	swissprot O74836	Translation, ribosomal structure and biogenesis
6651	1471.7	OSMOTIC SENSITIVITY MAP KINASE.	tremblnew AAF09475	Signal transduction mechanisms
6652	1471.2	BIFUNCTIONAL PURINE BIOSYNTHESIS PROTEIN ADE17 [INCLUDES: PHOSPHORIBOSYLAMINOI MIDAZOLECARBOXAMIDE FORMYLTRANSFERASE (EC 2.1.2.3) (AICAR TRANSFORMYLASE); IMP CYCLOHYDROLASE (EC 3.5.4.10) (INOSINICASE) (IMP SYNTHETASE) (ATIC)].	swissprot P38009	Nucleotide transport

6653	147.9	DLXIN-1.	tremblnew BAA87959	ND
6654	147.9	HCR1.	sptrembl O22112	ND
6655	147.9	PROLINE-RICH PROTEIN.	tremblnew CAB62487	ND
6656	147.8	F22D6.5 PROTEIN.	sptrembl Q19727	ND
6657	147.8	Y53H1A.1 PROTEIN.	tremblnew CAB63392	ND
6658	147.8	PROTEASE.	sptrembl O40637	ND
6659	147.7	MYOSIN LIGHT CHAIN KINASE ISOFORM-I.	sptrembl O01651	ND
6660	147.5	HYDROXYPROLINE-RICH PROTEIN.	sptrembl Q39949	ND
6661	147.5	HYPOTHETICAL 37.9 KD PROTEIN C17D1.05 IN CHROMOSOME II.	swissprot Q10203	ND
6662	147.4	LOW TEMPERATURE ESSENTIAL PROTEIN.	swissprot P07866	ND
6663	147.3	HYPOTHETICAL 79.7 KD PROTEIN (FRAGMENT).	sptrembl Q9Y4Q3	ND
6664	147.3	Prod. of DNA of pMG07 used to isolate style-stigma specific gene STG07.	geneseqp R10531	ND
6665	147.3	T23F1.5 PROTEIN.	sptrembl O18117	ND
6666	147.3	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q41814	ND
6667	147.3	DNA-DIRECTED RNA POLYMERASE II LARGE (205KD) SUBUNIT (EC 2.7.7.6) (FRAGMENT).	sptrembl Q99367	ND
6668	147.2	3-ISOPROPYLMALATE DEHYDROGENASE (LEUB).	sptrembl Q51345	ND
6669	147.2	HYPOTHETICAL 34.9 KD PROTEIN.	sptrembl O65548	ND
6670	147.1	HYDROPHOBIN COH2.	sptrembl P78602	ND
6671	147.1	CODED FOR BY C. ELEGANS CDNA YK102F9.3.	sptrembl O01593	ND
6672	147.0	PUTATIVE ARGININE/SERINE-RICH SPLICING FACTOR.	sptrembl O82021	ND
6673	147.0	HYPOTHETICAL 50.7 KD PROTEIN.	tremblnew AAD49204	ND
6674	1467.3	ATP CITRATE LYASE.	sptrembl O93988	ND
6675	1461.7	Mutant Aspergillus oryzae DEBY932 rescued locus.	geneseqp W37992	Carbohydrate transport and metabolism
6677	146.9	HYPOTHETICAL 22.8 KD PROTEIN.	tremblnew AAF11733	ND
6678	146.9	ZHB0005.1.	tremblnew CAB55413	ND
6679	146.8	HYPOTHETICAL 96.1 KD PROTEIN IN RIM1-RPS14A INTERGENIC REGION.	swissprot P25623	ND
6680	146.8	ARGININE/SERINE-RICH PROTEIN.	tremblnew AAF19004	ND
6681	146.7	GASTRIC MUCIN	sptrembl Q29071	ND

		(FRAGMENT).		
6682	146.7	TRANSPOSABLE ELEMENT ACTIVATOR HYPOTHETICAL 12 KD PROTEIN (AC 12 KD PROTEIN).	swissprot P08771	ND
6683	146.6	HYPOTHETICAL 102.5 KD PROTEIN B0001.5 IN CHROMOSOME IV.	sptrembl Q17414	ND
6684	146.5	HYPOTHETICAL 72.1 KD PROTEIN.	sptrembl O23333	ND
6685	146.5	SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66).	swissprot Q62203	ND
6686	146.5	CTG26 ALTERNATE OPEN READING FRAME (FRAGMENT).	sptrembl O15421	ND
6687	146.3	FUSION PROTEIN.	sptrembl Q9YTP6	ND
6688	146.3	32 KDA PROTEIN.	sptrembl O09501	ND
6689	146.3	SEC24A PROTEIN (FRAGMENT).	sptrembl O95486	ND
6690	146.2	COLLAGEN (FRAGMENT).	sptrembl Q17266	ND
6691	146.2	Mycobacterium species protein sequence 41T#3.	geneseq Y04955	ND
6692	146.1	DNA-BINDING PROTEIN.	sptrembl P87016	ND
6693	146.1	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P14918	ND
6694	146.1	COLLAGEN ALPHA 1(X) CHAIN PRECURSOR.	swissprot P23206	ND
6695	146.0	ORF MSV234 HYPHETICAL PROTEIN.	sptrembl Q9YVK9	ND
6696	146.0	PUTATIVE PROLINE-RICH PROTEIN.	sptrembl Q9ZW08	ND
6697	146.0	PHYTOCHROME A.	swissprot P06592	ND
6698	146.0	EXTENSIN.	sptrembl Q39600	ND
6699	1459.6	BETA-MANNOSIDASE (EC 3.2.1.25).	tremblnew CAB63902	ND
6700	1458.3	1,3-BETA-D-GLUCAN SYNTHASE CATALYTIC SUBUNIT.	sptrembl Q92225	ND
6701	1457.4	MALATE SYNTHASE, GLYOXYSOMAL (EC 4.1.3.2).	swissnew P28344	Energy production and conversion
6702	1455.0	MODA.	tremblnew AAF24514	ND
6703	1450.9	ADP-RIBOSYLATION FACTOR.	swissprot P34727	ND
6704	145.9	LEUCYL AMINOPEPTIDASE, PUTATIVE.	tremblnew AAF10295	ND
6705	145.9	ENDOSTYLE-SPECIFIC.	sptrembl O44238	ND
6706	145.8	CODED FOR BY C. ELEGANS CDNA YK24B4.5.	sptrembl Q23064	ND
6707	145.8	HISTIDINE-RICH.	sptrembl Q18751	ND
6708	145.8	PANCREATIC HORMONE	swissprot P13083	ND

		PRECURSOR (PANCREATIC POLYPEPTIDE) (PP).		
6709	145.7	INTRONIC ORF6 (FRAGMENT).	sptrembl O79867	ND
6710	145.7	Fusaric acid resistance protein encoded by fadB.	geneseqp R13839	ND
6711	145.7	Human oncoprotein hhc-M mutant protein #3.	geneseqp W40357	ND
6712	145.4	HYPOTHETICAL 23.0 KD PROTEIN.	sptrembl O94539	ND
6713	145.4	HYPOTHETICAL 14.4 KD PROTEIN.	tremblnew AAF11093	ND
6714	145.4	HYPOTHETICAL 56.0 KD PROTEIN.	sptrembl O66965	ND
6715	145.4	Secreted protein of clone B0114_1.	geneseqp W69339	ND
6716	145.4	ARGININE-RICH 54 KD NUCLEAR PROTEIN.	sptrembl Q05519	ND
6717	145.3	YUSZ PROTEIN.	sptrembl O34907	ND
6718	145.3	CCA2 PROTEIN.	sptrembl O35048	ND
6719	145.2	144AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YD73	ND
6720	145.2	OLFACTORY RECEPTOR (FRAGMENT).	sptrembl Q9Z232	ND
6721	145.1	SPERM HISTONE P2 PRECURSOR (PROTAMINE 2).	sptrembl Q02097	ND
6722	145.0	FIN19.3.	tremblnew AAF19693	ND
6723	145.0	COPROPORPHYRINOGEN III OXIDASE PRECURSOR (EC 1.3.3.3) (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE) (COX).	swissprot P36551	ND
6724	1449.1	PEROXISOME ASSEMBLY PROTEIN CAR1 (PEROXIN-2).	swissprot P51021	ND
6725	1449.0	NAD-SPECIFIC GLUTAMATE DEHYDROGENASE (EC 1.4.1.2) (NAD-GDH) (FRAGMENTS).	swissprot P00365	Amino acid transport and metabolism
6726	1448.4	60S RIBOSOMAL PROTEIN L2.	sptrembl O94253	Translation, ribosomal structure and biogenesis
6727	1445.5	60S RIBOSOMAL PROTEIN L2 (YL6) (L5) (RP8).	swissprot P05736	Translation, ribosomal structure and biogenesis
6728	1444.9	Aspergillus fumigatus protein 3.	geneseqp W69392	Amino acid transport and metabolism
6729	1443.0	26S PROTEASE REGULATORY SUBUNIT 8 HOMOLOG (SUG1	swissprot Q01939	Posttranslational modification, protein turnover,

		PROTEIN) (CIM3 PROTEIN) (TAT-BINDING PROTEIN TBY1).		chaperones
6730	1442.1	EPOXIDE HYDROLASE (EC 3.3.2.3).	tremblnew CAB59812	ND
6731	144.8	LWS OPSIN.	sptrembl Q9W771	ND
6732	144.7	Banana ripening fruit chitinase.	geneseqp Y05847	ND
6733	144.7	(AG876 ISOLATE) U2-IR2 DOMAIN ENCODING NUCLEAR PROTEIN EBNA2, COMPLETE CDS.	sptrembl Q69022	ND
6734	144.6	CODED FOR BY C. ELEGANS CDNA YK91G9.5.	sptrembl Q21721	ND
6735	144.6	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (FRAGMENT).	sptrembl Q40548	ND
6736	144.6	LSFR1 PROTEIN (FRAGMENT).	sptrembl Q9W6U3	ND
6737	144.5	MYCB.	tremblnew AAF08796	ND
6738	144.5	PROBABLE MANNOsylTRANSFERASE KTR5 (EC 2.4.1.131).	swissprot P53966	ND
6739	144.5	HYPOTHETICAL 50.6 KD PROTEIN IN THE 5'REGION OF GYRA AND GYRB (ORF 3).	swissprot P21561	ND
6740	144.5	Thyroid peroxidase deletion mutant 10.	geneseqp W48791	ND
6741	144.4	FILAGGRIN (PROFILAGGRIN) (FRAGMENT).	sptrembl Q03840	ND
6742	144.3	Murine secreted protein K39_7.	geneseqp Y08631	ND
6743	144.3	P2X2 RECEPTOR (FRAGMENT).	sptrembl O88481	ND
6744	144.1	Human interferon alpha2/omega1(Glu) hybrid.	geneseqp R24030	ND
6745	144.0	R12E2.5 PROTEIN.	sptrembl O61787	ND
6746	144.0	BETA-GALACTOSIDASE ALPHA PEPTIDE (FRAGMENT).	sptrembl Q46478	ND
6747	144.0	COMPLETE GENOME (FRAGMENT).	sptrembl O41250	ND
6748	1437.3	PROBABLE CALCIUM- TRANSPORTING ATPASE 6 (EC 3.6.1.38).	swissprot P39986	Inorganic ion transport and metabolism
6749	1434.1	PROLYL DIPEPTIDYL PEPTIDASE PRECURSOR (EC 3.4.14.5) (DIPEPTIDYL- PEPTIDASE IV) (DIPEPTIDYL AMINOPEPTIDASE IV) (XAA-PRO- DIPEPTIDYLAMINOPEPTID ASE) (GLY-PRO	sptrembl O42812	Amino acid transport and metabolism

		NAPHTHYLAMIDASE) (POST-PROLINE DIPEPTIDYL AMINOPEPTIDASE IV).		
6750	143.9	PUTATIVE PROLINE-RICH PROTEIN.	tremblnew CAB43973	ND
6751	143.9	N-MYC PROTO-ONCOGENE PROTEIN.	swissprot P03966	ND
6752	143.9	Bovine prion protein derived peptide III.	geneseqp Y07999	ND
6753	143.8	Protein encoded by pLIV1 gene partial sequence.	geneseqp W34528	ND
6754	143.8	HEPATITIS A VIRUS CELLULAR RECEPTOR 1 LONG FORM (HEPATITIS A VIRUS CELLULAR RECEPTOR 1 SHORT FORM).	sptrembl O46597	ND
6755	143.8	HRSMAD1/5.	sptrembl O97044	ND
6756	143.8	SERUM OPACITY FACTOR PRECURSOR (FRAGMENT).	sptrembl Q9XCK5	ND
6757	143.8	F45B8.3 PROTEIN.	tremblnew CAB05726	ND
6758	143.8	NADH DEHYDROGENASE SUBUNIT 4 (FRAGMENT).	tremblnew AAF17853	ND
6759	143.8	EXTENSIN (PROLINE-RICH GLYCOPROTEIN) (CLONE UG) (FRAGMENT).	sptrembl Q01944	ND
6760	143.7	HTLV-I RELATED ENDOGENOUS RETROVIRAL SEQUENCE P25 (HRES-1/1).	sptrembl P13985	ND
6761	143.7	NUCLEAR FACTOR I-B2 (NUCLEAR FACTOR 1 B- TYPE).	sptrembl O00712	ND
6762	143.7	HOMEBOX PROTEIN GOOSECOID.	swissnew P54366	ND
6763	143.7	Y47H9B.1 PROTEIN.	sptrembl Q9XWZ7	ND
6764	143.6	LW OPSIN (FRAGMENT).	sptrembl Q28879	ND
6765	143.5	HYPOTHETICAL 45.9 KD PROTEIN AC3.3 IN CHROMOSOME V PRECURSOR.	sptrembl Q17400	ND
6766	143.5	Rat rSK2 protein.	geneseqp W63702	ND
6767	143.5	F07A5.2 PROTEIN.	sptrembl Q19138	ND
6768	143.4	PROTAMINE.	swissprot P17502	ND
6769	143.4	MITOCHONDRIAL TRANSFER RNA HIS, 16S RIBOSOMAL RNA (16S RRNA) GENES, ND3 (16S RRNA).	sptrembl Q35014	ND
6770	143.3	HYPOTHETICAL 34.6 KD PROTEIN.	sptrembl Q9Y7R6	ND
6771	143.3	GROUCHO 1 PROTEIN (FRAGMENT).	swissprot O13168	ND

6772	143.3	SERICIN PRECURSOR.	swissprot P07856	ND
6774	143.3	SERINE-RICH PROTEIN.	sptrembl O94317	ND
6775	143.2	ARGININE/SERINE-RICH PROTEIN.	tremblnew AAF19004	ND
6776	143.2	SALIVARY GLAND SECRETION PROTEIN (FRAGMENT).	sptrembl Q9Y0E8	ND
6777	143.2	P28II antigen.	geneseqp P82966	ND
6778	143.1	STRAIN Z29, COMPLETE GENOME.	tremblnew AAD49620	ND
6779	143.1	Collagen like protein (CLP)-V1.	geneseqp R95144	ND
6780	143.0	Z10F PROTEIN.	sptrembl O87025	ND
6781	1427.2	SULFATE PERMEASE SUBT.	tremblnew AAF14539	Inorganic ion transport and metabolism
6782	1421.8	MALATE SYNTHASE, GLYOXYSOMAL (EC 4.1.3.2).	swissnew P28345	Energy production and conversion
6783	1420.4	PROTEIN TRANSPORT PROTEIN SEC23 HOMOLOG.	sptrembl O74873	ND
6784	1420.4	60S RIBOSOMAL PROTEIN L15.	swissprot O13418	Translation, ribosomal structure and biogenesis
6785	142.9	C29F7.5 PROTEIN.	sptrembl O17617	ND
6786	142.9	Drosophila Acp36DE protein.	geneseqp Y22176	ND
6787	142.8	GIBBERELLIN-REGULATED PROTEIN 1 PRECURSOR.	swissprot P46689	ND
6788	142.8	NADH-UBIQUINONE OXIDOREDUCTASE SUBUNIT 1.	tremblnew CAB55576	ND
6789	142.7	PISTIL EXTENSIN-LIKE PROTEIN.	sptrembl Q40385	ND
6790	142.7	SANT DOMAIN PROTEIN SMRTER.	tremblnew AAD52614	ND
6791	142.7	ALDEHYDE DEHYDROGENASE, CYTOCHROME C SUBUNIT PRECURSOR.	sptrembl O30327	ND
6792	142.7	Y49E10.17 PROTEIN.	sptrembl Q9XTU4	ND
6793	142.7	CODED FOR BY C. ELEGANS CDNA YK65E4.5.	sptrembl P91497	ND
6794	142.7	DEFORMED (FRAGMENT).	sptrembl O44258	ND
6795	142.7	MUCIN.	sptrembl Q63549	ND
6796	142.7	HISTONE H1 PROTEIN.	sptrembl Q9XYY5	ND
6797	142.7	PROTEIN UL53 (HFRF2 PROTEIN).	swissprot P16794	ND
6798	142.6	F14M4.8 PROTEIN.	sptrembl O80716	ND
6799	142.6	HPLC6 PROTEIN (FRAGMENT).	sptrembl Q03659	ND
6800	142.6	LIMA (FRAGMENT).	sptrembl P90533	ND
6801	142.6	PHOSPHOGLUCOMUTASE.	sptrembl O74374	ND

6802	142.6	Papilloma virus major capsid protein.	geneseqp R88275	ND
6803	142.5	VERY HYPOTHETICAL 14.3 KD PROTEIN IN AAC1-FET3 INTERGENIC REGION.	swissprot Q04674	ND
6804	142.5	ORF 59.	sptrembl Q9YTK8	ND
6805	142.5	PRPL-2 PROTEIN.	sptrembl Q15220	ND
6806	142.4	SMALL S PROTEIN.	sptrembl O55496	ND
6807	142.4	INSECT INTESTINAL MUCIN IIM14.	sptrembl O18510	ND
6808	142.4	EG:140G11.3 PROTEIN.	sptrembl O97172	ND
6809	142.4	ALLERGEN.	sptrembl O74682	ND
6810	142.4	PYRROLIDONE-CARBOXYLATE PEPTIDASE (EC 3.4. 19.3) (5-OXOPROLYL-PEPTIDASE) (PYROGLUTAMYL-PEPTIDASE I).	tremblnew CAB50353	ND
6811	142.3	RNA-BINDING PROTEIN.	sptrembl Q15287	ND
6812	142.2	LIN-15B PROTEIN.	sptrembl Q27395	ND
6813	142.2	F23N19.12.	tremblnew AAF19547	ND
6814	142.2	AXOTROPHIN.	sptrembl Q9WV66	ND
6815	142.2	Porphorymonas gingivalis protein PG121.	geneseqp Y34466	ND
6816	142.2	HYPOTHETICAL 32.1 KD PROTEIN.	sptrembl O74387	ND
6817	142.2	Clone HNFGW06 of EGFR receptor family.	geneseqp W61630	ND
6818	142.2	NUCLEOPORIN-LIKE PROTEIN.	sptrembl O23173	ND
6819	142.1	AMELOGENIN (FRAGMENT).	swissprot O97647	ND
6820	142.0	PAX6-LIKE PROTEIN.	sptrembl Q25411	ND
6821	142.0	SER- AND THR-RICH PROTEIN (FRAGMENT).	sptrembl Q26596	ND
6822	142.0	SCO-SPONDIN (FRAGMENT).	sptrembl Q9XSV8	ND
6823	1416.2	60S ACIDIC RIBOSOMAL PROTEIN P0 (L10E).	swissprot P05317	Translation, ribosomal structure and biogenesis
6824	1411.8	THIOREDOXIN REDUCTASE (EC 1.6.4.5).	swissprot P43496	Posttranslational modification, protein turnover, chaperones
6825	141.9	HYPOTHETICAL 39.0 KD PROTEIN.	sptrembl O74371	ND
6826	141.9	F17L21.1.	sptrembl Q9ZW67	ND
6827	141.9	60S RIBOSOMAL PROTEIN L7, MITOCHONDRIAL PRECURSOR (YML7).	swissprot P36519	ND
6828	141.8	ACTIVATING TRANSCRIPTION FACTOR	sptrembl Q91576	ND

		2.		
6829	141.8	HYPOTHETICAL 27.8 KD PROTEIN.	sptrembl O54181	ND
6830	141.8	Amino acid sequence of a virulence factor encoded by ORF30221.	geneseqp Y29214	ND
6831	141.7	CASEIN KINASE II BETA' CHAIN (CK II) (EC 2.7.1.37).	swissprot P38930	ND
6832	141.7	EXTENSIN=NODULE-SPECIFIC PROLINE-RICH PROTEIN {CLONE VFNDS-E}.	tremblnew G425682	ND
6833	141.7	Human 5' EST secreted protein SEQ ID NO:344.	geneseqp Y12313	ND
6834	141.6	VI-Lab-Vh construction (5A), single chain antibody.	geneseqp R14698	ND
6835	141.6	HYPOTHETICAL PROTEIN (FRAGMENT).	sptrembl Q17269	ND
6836	141.6	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
6837	141.6	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
6838	141.5	T1J1.3 PROTEIN.	sptrembl Q9ZPH7	ND
6839	141.3	F16B22.21 PROTEIN.	sptrembl O80511	ND
6840	141.3	130AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YD79	ND
6841	141.2	PUTATIVE SERINE/THREONINE PROTEIN KINASE.	sptrembl Q9ZNQ8	ND
6842	141.1	AGR RELATED DNA SEQUENCE, TWO COMPLETE CODING REGIONS AND TWO INCOMPLETE CODING REGIONS.	sptrembl Q54337	ND
6843	141.1	MICROTUBULE-ASSOCIATED PROTEIN 4.	swissprot P27546	ND
6844	141.1	Keratan sulphate 6-sulphotransferase.	geneseqp W61100	ND
6845	141.1	PUTATIVE.	sptrembl Q9ZLR2	ND
6846	141.1	HYPOTHETICAL 40.9 KD PROTEIN C08B11.5 IN CHROMOSOME II.	swissprot Q09442	ND
6847	141.0	A IG002N01.14.	sptrembl O04621	ND
6848	141.0	R. eutropha Mgt partial ORF3 encoded protein.	geneseqp W92640	ND
6849	141.0	F56D12.5 PROTEIN.	sptrembl O16646	ND
6850	141.0	PEPTIDE FOLLOWING ISV-A1.	sptrembl Q48355	ND
6851	141.0	Cardiac adenylyl cyclase.	geneseqp R78519	ND
6852	141.0	PUTATIVE 60S RIBOSOMAL PROTEIN L24.	tremblnew AAD24643	ND
6853	1406.7	PUTATIVE YEAST CELL DIVISION CONTROL PROTEIN 68 HOMOLOG, PUTATIVE TRANSCRIPTIONAL ACTIVATOR.	sptrembl O94267	ND

6854	1405.2	PROTEASOME COMPONENT PUP1 PRECURSOR (EC 3.4.99.46) (MACROPAIN SUBUNIT PUP1) (PROTEINASE YSCE SUBUNIT PUP1) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PUP1).	swissprot P25043	Posttranslational modification, protein turnover, chaperones
6855	1405.1	BETA-GLUCOSIDASE 1 PRECURSOR (EC 3.2.1.21) (GENTIOBIASE) (CELLOBIASE) (BETA-D-GLUCOSIDE GLUCOHYDROLASE).	swissprot P48825	ND
6856	1401.2	HYPOTHETICAL 126.6 KD PROTEIN IN RPL36A-VTI1 INTERGENIC REGION.	swissprot Q04336	ND
6857	140.9	Human normal ovarian tissue derived protein 68.	geneseqp Y59791	ND
6858	140.9	HYPOTHETICAL 61.1 KD PROTEIN (FRAGMENT).	tremblnew CAB63715	ND
6859	140.9	F56D12.5 PROTEIN.	sptrembl O16646	ND
6860	140.8	EG:63B12.11 PROTEIN.	sptrembl O97419	ND
6861	140.8	HYPOTHETICAL 6.0 KD PROTEIN IN THI12 5'REGION.	swissprot P53820	ND
6862	140.8	120 KDA STYLE GLYCOPROTEIN.	sptrembl O49986	ND
6863	140.8	TRANSGLUTAMINASE PRECURSOR (EC 2.3.2.13).	tremblnew CAA70055	ND
6864	140.6	SIMILARITY TO HUMAN SYNAPSIN IB.	sptrembl Q23352	ND
6865	140.6	SRC2-LIKE PROTEIN.	sptrembl O81814	ND
6866	140.6	ER interacting domain of AIB1 protein.	geneseqp W81028	ND
6867	140.6	CZP-3.	geneseqp R48068	ND
6868	140.5	Porcine retrovirus GAG protein.	geneseqp W39271	ND
6869	140.5	HYPOTHETICAL 91.1 KD PROTEIN R144.2 IN CHROMOSOME III.	swissprot Q09345	ND
6870	140.5	SERINE/THREONINE PROTEIN KINASE.	sptrembl O32382	ND
6871	140.4	ORF115.	sptrembl Q37123	ND
6872	140.4	Fragment of human secreted protein encoded by gene 76.	geneseqp W78321	ND
6873	140.4	MEROZOITE SURFACE PROTEIN-1 (FRAGMENT).	tremblnew AAD49716	ND
6874	140.4	ENVELOPE PROTEIN (FRAGMENT).	sptrembl O73231	ND
6875	140.4	PROTODERMAL FACTOR 1.	tremblnew AAD33869	ND
6876	140.3	ALXA AND HSDM.	sptrembl P95510	ND
6877	140.3	COUNTERPART OF HSV-1 GENE RL2 AND VZV GENE 61.	sptrembl O39303	ND

6878	140.3	ANTIGENIC POLYPEPTIDE (FRAGMENT).	sptrembl O96082	ND
6879	140.3	HYPOTHETICAL 30.9 KD PROTEIN B1549_C2_213.	swissnew P52063	ND
6880	140.3	CARROT HYPOCOTIL SPECIFIC.	sptrembl P93705	ND
6881	140.3	SIGNAL RECOGNITION PARTICLE 19 KD PROTEIN (SRP19).	swissprot P49964	ND
6882	140.3	HYPOTHETICAL 41.1 KD PROTEIN.	tremblnew CAB51986	ND
6883	140.3	P2V PROTEIN.	sptrembl O89170	ND
6884	140.2	HYPOTHETICAL 90.0 KD PROTEIN.	sptrembl Q9WQH0	ND
6885	140.2	MG1=HIGH MOLECULAR WEIGHT MUCIN {3' REGION (FRAGMENT).	sptrembl Q93043	ND
6886	140.2	HLARK.	sptrembl O02916	ND
6887	140.2	SPERM CHROMATIN HMRBNP/H1.	sptrembl Q98979	ND
6888	140.1	SPLICING FACTOR, ARGININE/SERINE-RICH 6 (PRE-MRNA SPLICING FACTOR SRP55).	swissnew Q13247	ND
6889	140.1	SODIUM- AND CHLORIDE-DEPENDENT CREATINE TRANSPORTER 1 (CT1).	swissprot P31661	ND
6890	140.1	HYPOTHETICAL 47.8 KD PROTEIN YOR009W.	sptrembl Q12218	ND
6891	140.0	DESB (EC 3.5.4.5).	tremblnew AAD30442	ND
6892	140.0	HYPOTHETICAL PROTEIN E-115.	swissprot P03290	ND
6893	1393.7	HYPOTHETICAL 38.3 KD PROTEIN IN RPL11B-PDC6 INTERGENIC REGION.	swissprot P53252	ND
6894	1393.0	PUTATIVE MITOCHONDRIAL PROTEIN IMPORT PROTEIN - DNAJ PROTEIN.	sptrembl O74752	Posttranslational modification, protein turnover, chaperones
6895	1392.9	VACUOLAR ATP SYNTHASE SUBUNIT B (EC 3.6.1.34) (V-ATPASE 57 KD SUBUNIT).	swissprot P22550	Energy production and conversion
6896	1390.1	ORNITHINE DECARBOXYLASE.	tremblnew CAB56523	Amino acid transport and metabolism
6897	139.8	CYCLIC NUCLEOTIDE-GATED CHANNEL BETA SUBUNIT.	sptrembl O35788	ND
6898	139.8	Toxic shock syndrome toxin-1.	geneseqp R95904	ND
6899	139.7	HYPOTHETICAL 18.3 KD PROTEIN ZK1321.1 IN CHROMOSOME II.	swissprot Q09368	ND
6900	139.7	OUTER CAPSID PROTEIN VP4 (HEMAGGLUTININ) (OUTER LAYER PROTEIN	swissprot P13842	ND

		VP4) [CONTAINS: OUTER CAPSID PROTEINS VP5 AND VP8].		
6901	139.7	464AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YEB8	ND
6902	139.7	HYPOTHETICAL 91.0 KD PROTEIN.	sptrembl Q9X4P5	ND
6903	139.6	HYPOTHETICAL 96.9 KD PROTEIN.	tremblnew CAA22569	ND
6904	139.6	IMMUNOGLOBULIN 216 aa, chain A+B	pdb 1MCJ	ND
6905	139.5	202AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9Y9D4	ND
6906	139.5	HYPOTHETICAL 13.9 KD PROTEIN.	tremblnew AAF19661	ND
6907	139.5	PHLB PROTEIN PRECURSOR.	swissprot P18954	ND
6908	139.5	HYPOTHETICAL 14.6 KD PROTEIN.	sptrembl O53621	ND
6909	139.4	F18B13.26 PROTEIN.	tremblnew AAD55474	ND
6910	139.3	CELL WALL PROTEIN.	sptrembl Q40336	ND
6911	139.3	VIRAL PROTEIN I (FRAGMENT).	sptrembl Q85146	ND
6912	139.3	T2N18.14 PROTEIN.	sptrembl Q9ZQC7	ND
6913	139.3	SIMILARITY TO C2H2-TYPE ZINC FINGER DOMAIN.	sptrembl Q17548	ND
6914	139.3	22 KD GAMMA-COIXIN PRECURSOR.	sptrembl Q00318	ND
6915	139.3	DIHYDROOROTASE (EC 3.5.2.3) (DHOASE).	swissprot P96081	ND
6916	139.3	deg-3 gene product.	geneseqp R42747	ND
6917	139.2	C09G9.2 PROTEIN.	sptrembl Q17872	ND
6918	139.1	RECEPTOR-LIKE KINASE LRK10 (FRAGMENT).	sptrembl Q9XHQ3	ND
6919	139.1	COSMID F56D3.	sptrembl Q20877	ND
6920	139.0	GLUCOAMYLASE.	tremblnew AAC49609	ND
6921	139.0	SUBMAXILLARY GLAND ANDROGEN REGULATED PROTEIN 3 PRECURSOR (MSG3 MRNA).	sptrembl Q61902	ND
6922	139.0	XNP-1.	tremblnew AAD55361	ND
6923	139.0	NAPF.	sptrembl O86474	ND
6924	139.0	TRANSCRIPTION INITIATION FACTOR IIE BETA SUBUNIT (TFIIE-BETA) (S.POMBE TFA2 HOMOLOG).	sptrembl P79011	ND
6925	139.0	DJ789O11.1 (PUTATIVE GAMMA-HEREGULIN LIKE PROTEIN) (FRAGMENT).	sptrembl O75999	ND
6926	1387.7	ACTIN-LIKE PROTEIN ARP2.	swissprot P32381	Cell division and chromosome

				partitioning
6927	1386.5	OROTIDINE 5'-PHOSPHATE DECARBOXYLASE (EC 4.1.1.23) (OMP DECARBOXYLASE).	swissprot O13416	Nucleotide transport
6928	1383.8	ANTHRANILATE SYNTHASE COMPONENT I (EC 4.1.3.27).	swissprot P00899	Coenzyme metabolism
6929	138.9	SERINE HYDROXYMETHYLTRANS FERASE (EC 2.1.2.1) (SERINE METHYLASE) (SHMT).	swissprot O29406	ND
6930	138.9	EG:114E2.2 PROTEIN.	sptrembl O46042	ND
6931	138.9	LONG-CHAIN-FATTY-ACID COA LIGASE.	sptrembl P73004	ND
6932	138.9	GLUCOSE TRANSPORTER TYPE 4, INSULIN- RESPONSIVE.	swissprot Q27994	ND
6933	138.9	HYPOTHETICAL PROTEIN (FRAGMENT).	sptrembl P72068	ND
6934	138.8	SIMILARITY TO RHODOPSIN.	sptrembl Q19607	ND
6935	138.8	HISTONE H1.2.	sptrembl Q94555	ND
6936	138.8	ORF79 PROTEIN.	tremblnew BAA84914	ND
6937	138.8	OVERLAPPING PROTEIN.	sptrembl O91259	ND
6938	138.7	METALLOTHIONEIN ISOFORM (FRAGMENT).	sptrembl P79375	ND
6939	138.7	PTS SYSTEM, CELLOBIOSE-SPECIFIC IIC COMPONENT (EIIC-CEL) (CELLOBIOSE- PERMEASE IIC COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, C COMPONENT).	swissprot Q45400	ND
6940	138.6	N-MYC 2 PROTO- ONCOGENE PROTEIN.	swissprot Q64210	ND
6941	138.6	hCG/hFSH chimera, B12.	geneseqp R15072	ND
6942	138.6	BETA-B-PROTEIN.	sptrembl Q85079	ND
6943	138.6	Bovine neutrophil beta- defensin peptide BNBD-5.	geneseqp R63514	ND
6944	138.5	Neuropeptide receptor.	geneseqp W06124	ND
6945	138.5	MAD HOMOLOG SMAD5.	sptrembl P97454	ND
6946	138.5	Autotaxin derived from human liver cells.	geneseqp R86580	ND
6947	138.4	HYPOTHETICAL 65.2 KD PROTEIN.	sptrembl O61105	ND
6948	138.4	GENTISATE 1,2- DIOXYGENASE (FRAGMENT).	sptrembl O73956	ND
6949	138.3	HIV Tat protein.	geneseqp Y05097	ND
6950	138.2	E2 GLYCOPROTEIN PRECURSOR (SPIKE GLYCOPROTEIN)	swissprot P11223	ND

		(PEPLOMER PROTEIN) [CONTAINS: SPIKE PROTEIN S1; SPIKE PROTEIN S2].		
6951	138.1	ATP SYNTHASE PROTEIN 8 (EC 3.6.1.34) (A6L).	swissprot P03929	ND
6952	138.1	HOMEBOX PROTEIN HOX-A10 (HOX-1H) (HOX- 1.8) (PL).	swissnew P31260	ND
6953	138.0	SERINE-RICH PROTEIN.	sptrembl O94317	ND
6954	1376.9	ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).	swissprot P16928	Lipid metabolism
6955	1373.9	PHOSPHATE-REPRESSIBLE PHOSPHATE PERMEASE.	swissprot P15710	Inorganic ion transport and metabolism
6956	137.9	KIAA1048 PROTEIN.	tremblnew BAA83000	ND
6957	137.9	HYPOTHETICAL PROTEIN.	tremblnew BAA87840	ND
6958	137.8	HOMEOTIC CAUDAL PROTEIN.	swissprot P09085	ND
6959	137.8	POSTSYNAPTIC DENSITY PROTEIN.	tremblnew AAC25483	ND
6960	137.8	HYPOTHETICAL 14.7 KD PROTEIN.	sptrembl O33136	ND
6961	137.8	HYPOTHETICAL 14.2 KD PROTEIN.	tremblnew AAF10317	ND
6962	137.8	SENSOR KINASE.	sptrembl O34757	ND
6963	137.7	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (FRAGMENT).	sptrembl Q40548	ND
6964	137.7	ENDOSTYLE-SPECIFIC.	sptrembl O44238	ND
6965	137.6	PUTATIVE CARBOXYPEPTIDASE S PRECURSOR (EC 3.4.17.4) (YSCS) (GLY-X CARBOXYPEPTIDASE).	sptrembl O13968	ND
6966	137.5	SMALL NUCLEAR RIBONUCLEOPROTEIN B.	tremblnew AAD54488	ND
6967	137.5	OMP of Bordetella pertussis.	geneseqp R21691	ND
6968	137.5	LIPID TRANSFER PROTEIN.	sptrembl O22110	ND
6969	137.5	HYPOTHETICAL 18.9 KD PROTEIN.	sptrembl Q55554	ND
6970	137.5	HYPOTHETICAL 32.8 KD PROTEIN (FRAGMENT).	tremblnew CAB59245	ND
6971	137.4	NUCLEAR TRANSITION PROTEIN 2 (TP-2).	sptrembl Q64561	ND
6972	137.3	MAMMALIAN ACYL COA OXIDASE HOMOLOGOUS (FRAGMENT).	sptrembl Q43476	ND
6973	137.3	TRANSCRIPTION FACTOR SOX-10.	swissprot O55170	ND
6974	137.3	HYPOTHETICAL 28.1 KD PROTEIN.	sptrembl O23285	ND

6975	137.2	PHOSPHOLIPASE D2.	sptrembl O43580	ND
6976	137.2	GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4- ALPHA-D-GLUCAN GLUCOHYDROLASE).	swissprot P08640	ND
6977	137.2	DIPEPTIDE ABC TRANSPORTER, ATP- BINDING PROTEIN (DPPF).	sptrembl O28503	ND
6978	137.1	INSULIN RECEPTOR SUBSTRATE-2.	sptrembl Q9Y6I5	ND
6979	137.1	DESSICATION-RELATED PROTEIN CLONE PCC6-19 (CDET6-19).	swissprot P22239	ND
6980	1366.0	UBIQUITIN-CONJUGATING ENZYME E2-16 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (COLLETOTRICHUM HARD- SURFACE- INDUCED PROTEIN 1).	sptrembl O74196	ND
6981	1364.6	TRANSALDOLASE (EC 2.2.1.2).	sptrembl O42700	Carbohydrate transport and metabolism
6982	1355.4	METHYLCITRATE SYNTHASE PRECURSOR (EC 4.1.3.31).	tremblnew CAB53336	Energy production and conversion
6983	1354.5	100 KDA PROTEIN.	sptrembl O60040	ND
6984	1352.3	A. oryzae DEBY932 locus protein sequence.	geneseqp Y39873	Carbohydrate transport and metabolism
6985	1352.2	MITOCHONDRIAL CARRIER PROTEIN.	sptrembl O74439	ND
6986	1352.2	PYRUVATE KINASE (EC 2.7.1.40) (PK).	swissprot P22360	Carbohydrate transport and metabolism
6987	1348.0	CYTOCHROME C OXIDASE SUBUNIT V.	sptrembl O93980	ND
6988	1346.7	ALPHA-GALACTOSIDASE A PRECURSOR (EC 3.2.1.22) (MELIBIASE).	swissprot P28351	ND
6989	1344.2	HYPOTHETICAL ALDEHYDE- DEHYDROGENASE LIKE PROTEIN IN COQ1-HHF1 INTERGENIC REGION.	swissprot P38067	Energy production and conversion
6990	1341.2	POTASSIUM TRANSPORTER.	sptrembl O74724	ND
6991	1339.0	CHORISMATE MUTASE (EC 5.4.99.5).	sptrembl Q9Y7B2	ND
6992	1337.5	PUTATIVE DIPHTHINE SYNTHASE.	sptrembl O74898	Translation, ribosomal structure and biogenesis

6993	1334.4	HOMOCITRATE SYNTHASE (EC 4.1.3.21).	sptrembl O94225	Amino acid transport and metabolism
6994	1334.2	PEPTIDE TRANSPORTER PTR2.	swissprot P46030	ND
6995	1334.0	PDI RELATED PROTEIN A.	sptrembl O93914	Energy production and conversion
6996	1333.3	MITOTIC CONTROL PROTEIN DIS3.	swissprot P37202	Transcription
6997	1332.4	GTP-BINDING PROTEIN SARA.	swissnew P52886	ND
6998	1332.2	RIBOSOMAL PROTEIN L13A.	tremblnew AAD54383	Translation, ribosomal structure and biogenesis
6999	1328.3	COENZYME A SYNTHETASE.	sptrembl O74976	Lipid metabolism
7000	1327.3	ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE [UDP-FORMING] 2 (EC 2.4.1.15) (TREHALOSE-6-PHOSPHATE SYNTHASE) (UDP-GLUCOSE-GLUCOSEPHOSPHATE GLUCOSYLTRANSFERASE).	swissprot Q00217	Carbohydrate transport and metabolism
7001	1325.1	TUBULIN BETA CHAIN.	swissprot P22012	ND
7002	1324.3	RHO1 PROTEIN.	swissprot Q09914	ND
7003	1322.4	60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) (HEAT SHOCK PROTEIN 60).	sptrembl O94110	Posttranslational modification, protein turnover, chaperones
7004	1319.7	PROBABLE UTP--GLUCOSE-1-PHOSPHATE URIDYLTRANSFERASE.	tremblnew CAA22857	ND
7005	1317.8	MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (EC 1.1.1.37).	swissprot P17505	Energy production and conversion
7006	1317.1	E1-LIKE PROTEIN.	sptrembl O93922	Coenzyme metabolism
7007	1315.8	Human transport-associated protein-6 (TRANP-6).	geneseqp Y31644	ND
7008	1314.0	OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN.	swissprot P07144	ND
7009	1313.7	RIBONUCLEOTIDE REDUCTASE LARGE SUBUNIT.	tremblnew AAD49743	Nucleotide transport
7010	1307.1	60S RIBOSOMAL PROTEIN L5.	swissprot O59953	Translation, ribosomal structure and biogenesis
7011	1304.2	GLUCOSE-6-PHOSPHATE 1-DEHYDROGENASE (EC 1.1.1.49) (G6PD).	swissprot P48826	Carbohydrate transport and metabolism

7012	1299.2	C-5 STEROL DESATURASE (EC 1.3.-.-) (STEROL-C5-DESATURASE).	swissprot P50860	ND
7013	1298.5	CYCLOPHILIN B (EC 5.2.1.8).	sptrembl O94190	Posttranslational modification, protein turnover, chaperones
7014	1294.8	PROBABLE GLUCOSE TRANSPORTER RCO-3.	swissprot Q92253	ND
7015	1294.7	ORNITHINE AMINOTRANSFERASE (EC 2.6.1.13) (ORNITHINE--OXO-ACID AMINOTRANSFERASE).	swissprot Q92413	Amino acid transport and metabolism
7016	1292.9	PROTEASOME COMPONENT PUP2 (EC 3.4.99.46) (MACROPAIN SUBUNIT PUP2) (PROTEINASE YSCE SUBUNIT PUP2) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PUP2).	swissprot P32379	Posttranslational modification, protein turnover, chaperones
7017	1291.3	UDP-N-ACETYLGLUCOSAMINE PYROPHOSPHORYLASE (EC 2.7.7.23).	swissprot O74933	ND
7018	1290.3	GAP-DH.	geneseq R12995	Carbohydrate transport and metabolism
7019	1289.5	ACONITASE.	sptrembl O74699	Energy production and conversion
7020	1289.4	A. niger PacC zinc finger DNA binding domain.	geneseq Y08483	ND
7021	1289.1	Murine RENT1 protein.	geneseq W36509	DNA replication, recombination and repair
7022	1287.5	40S RIBOSOMAL PROTEIN S0 (RIBOSOME-ASSOCIATED PROTEIN 1).	swissprot Q01291	Translation, ribosomal structure and biogenesis
7023	1287.3	CHAPERONIN HSP78P.	sptrembl O74402	Posttranslational modification, protein turnover, chaperones
7024	1279.0	MALATE DEHYDROGENASE (EC 1.1.1.37).	sptrembl O94137	Energy production and conversion
7025	1278.5	QUINATE PERMEASE (QUINATE TRANSPORTER).	swissprot P15325	ND
7026	1277.5	ER CHAPERONE BIP.	tremblnew BAA82597	Posttranslational modification, protein turnover, chaperones
7027	1274.9	NADH-UBIQUINONE OXIDOREDUCTASE 24 KD	swissprot P40915	Energy production and

		SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3).		conversion
7028	1274.1	HEAT SHOCK PROTEIN 70 (FRAGMENT).	sptrembl Q92260	Posttranslational modification, protein turnover, chaperones
7029	1273.4	FATTY ACID SYNTHASE, ALPHA SUBUNIT.	sptrembl P78615	Lipid metabolism
7030	1273.1	CADMIUM RESISTANCE PROTEIN.	sptrembl O94284	ND
7031	1272.6	ACETYL-COA CARBOXYLASE (EC 6.4.1.2).	sptrembl O60033	Lipid metabolism
7032	1271.4	HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION.	swissprot P38795	Coenzyme metabolism
7033	1270.6	NUCLEOSOME ASSEMBLY PROTEIN.	sptrembl O59797	ND
7034	1268.6	T-COMPLEX PROTEIN 1, BETA SUBUNIT (TCP-1-BETA) (CCT-BETA).	swissprot P39076	Posttranslational modification, protein turnover, chaperones
7035	1263.8	SPERMIDINE SYNTHASE.	sptrembl Q9Y8H7	Amino acid transport and metabolism
7036	1263.7	ACETYL-COA-ACETYLTRANSFERASE (EC 2.3.1.9).	sptrembl Q9Y838	Lipid metabolism
7037	1262.2	SAGA.	sptrembl Q12076	ND
7038	1261.6	HYPOTHETICAL 63.8 KD PROTEIN.	tremblnew CAB61159	ND
7039	1260.2	PUTATIVE PROTEASOME COMPONENT C9/Y13 (EC 3.4.99.46) (MACROPAIN SUBUNIT) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT).	swissprot Q09682	Posttranslational modification, protein turnover, chaperones
7040	1259.3	UBIQUITIN-CONJUGATING ENZYME E2-17 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE 2) (UBIQUITIN CARRIER PROTEIN).	swissprot P52493	ND
7041	1254.9	KETOL-ACID REDUCTOISOMERASE PRECURSOR (EC 1.1.1.86) (ACETOHYDROXY-ACID REDUCTOISOMERASE) (ALPHA-KETO-BETA-HYDROXYLACIL REDUCTOISOMERASE).	swissnew P38674	Amino acid transport and metabolism
7042	1252.6	EUKARYOTIC INITIATION FACTOR 4A-LIKE PROTEIN C1F5.10.	swissprot Q10055	DNA replication, recombination and repair
7043	1251.6	ADENOSINE-5'PHOSPHOSULFATE KINASE (EC 2.7.1.25)	sptrembl Q12657	Inorganic ion transport and metabolism

		(ADENYLYLSULFATE KINASE) (APS KINASE).		
7044	1250.7	40S RIBOSOMAL PROTEIN S9 (S7).	swissprot P52810	Translation, ribosomal structure and biogenesis
7045	1248.6	VALYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (EC 6.1.1.9) (VALINE--TRNA LIGASE) (VALRS).	swissprot P28350	Translation, ribosomal structure and biogenesis
7046	1247.2	SCONCP.	tremblnew AAB18274	ND
7047	1244.9	ACID TREHALASE PRECURSOR (EC 3.2.1.28) (ALPHA,ALPHA-TREHALASE) (ALPHA,ALPHA-TREHALOSE GLUCOHYDROLASE).	swissprot P78617	ND
7048	1243.0	SCONCP.	tremblnew AAB18274	ND
7049	1242.8	NADH-UBIQUINONE OXIDOREDUCTASE 23 KD SUBUNIT PRECURSOR (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-23KD) (CI-23KD).	swissprot Q12644	Energy production and conversion
7050	1242.8	TRANSLATION RELEASE FACTOR ERF3.	sptrembl O42787	Amino acid transport and metabolism
7051	1242.2	3-ISOPROPYLMALATE DEHYDRATASE (EC 4.2.1.33) (ISOPROPYLMALATE ISOMERASE) (ALPHA-IPM ISOMERASE) (IPMI).	swissprot P17279	Amino acid transport and metabolism
7052	1240.0	IMPORTIN ALPHA SUBUNIT (KARYOPHERIN ALPHA SUBUNIT) (SERINE-RICH RNA POLYMERASE I SUPPRESSOR PROTEIN).	swissnew O14063	ND
7053	1235.2	PUTATIVE C-4 METHYL STEROL OXIDASE.	tremblnew CAB52730	ND
7054	1228.8	CHITIN SYNTHASE 6 (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE 6) (CLASS-V CHITIN SYNTHASE 6).	swissprot O13395	ND
7055	1228.8	CARBOXYPEPTIDASE S3, PENICILLOPEPTIDASE S3, CPD-S3.	tremblnew G1168044	ND
7056	1228.8	ARG-6 PROTEIN PRECURSOR [CONTAINS: N-ACETYL-GAMMA-GLUTAMYL-PHOSPHATE	swissnew P54898	Amino acid transport and metabolism

		REDUCTASE (EC 1.2.1.38) (N-ACETYL-GLUTAMATE SEMIALDEHYDE DEHYDROGENASE) (NAGSA DEHYDROGENASE); ACETYLGLUTAMATE KINASE (EC 2.7.2.8) (NAG KINASE) (AGK) (N-ACETYL-L-GLUTAMATE 5-PHOSPHOTRANSFERASE)].		
7057	1226.4	PROBABLE GLUTAMINYL-TRNA SYNTHETASE.	sptrembl Q9Y7Y8	Translation, ribosomal structure and biogenesis
7058	1225.8	Aspergillus niger tpiA gene.	geneseqp P70498	Carbohydrate transport and metabolism
7059	1225.3	60S RIBOSOMAL PROTEIN L10.	tremblnew CAA22664	Translation, ribosomal structure and biogenesis
7060	1223.0	60S RIBOSOMAL PROTEIN L8 (L7A) (L4).	swissprot O13672	Translation, ribosomal structure and biogenesis
7061	1219.3	RAS-RELATED PROTEIN RAB-11B.	swissprot P46638	ND
7062	1218.6	FISSION YEAST (FRAGMENT).	sptrembl P78903	Amino acid transport and metabolism
7063	1214.9	UBIQUITIN.	tremblnew BAA88168	ND
7064	1214.6	CATALASE A (EC 1.11.1.6).	swissprot P78574	ND
7065	1212.8	TUBULIN ALPHA-1 CHAIN.	swissprot P24633	ND
7066	1212.5	METHYLCITRATE SYNTHASE PRECURSOR (EC 4.1.3.31).	tremblnew CAB53336	Energy production and conversion
7067	1210.5	NAD(+)-SPECIFIC GLUTAMATE DEHYDROGENASE.	sptrembl Q02222	Amino acid transport and metabolism
7068	1209.0	Aspergillus oryzae aminopeptidase II.	geneseqp W89586	ND
7069	1208.4	HAPE.	sptrembl O59849	ND
7070	1206.4	PUTATIVE HOMOSERINE O-ACETYLTRANSFERASE.	sptrembl O13389	Amino acid transport and metabolism
7071	1203.9	HYPOTHETICAL 33.9 KD PROTEIN C16C9.02C IN CHROMOSOME I.	swissprot Q09816	Nucleotide transport
7072	1202.8	PYRUVATE KINASE (EC 2.7.1.40) (PK).	swissprot P22360	Carbohydrate transport and metabolism
7073	1200.3	Microscilla furvescens catalase-53CA1.	geneseqp W33810	Inorganic ion transport and metabolism
7074	1199.9	PROTEASOME	swissprot P25451	Posttranslational

		COMPONENT PUP3 (EC 3.4.99.46) (MACROPAIN SUBUNIT PUP3) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PUP3).		modification, protein turnover, chaperones
7075	1199.4	MYO-INOSITOL-1-PHOSPHATE SYNTHASE.	tremblnew BAA84084	Lipid metabolism
7076	1194.0	26S PROTEASOME REGULATORY SUBUNIT S3 (PROTEASOME SUBUNIT P58) (TRANSPLANTATION ANTIGEN P91A) (TUM-P91A ANTIGEN).	swissprot P14685	ND
7077	1193.1	KINASE.	sptrembl Q00611	Signal transduction mechanisms
7078	1190.6	PMR1.	sptrembl O74637	ND
7079	1190.3	DIHYDROLIPOAMIDE ACETYLTRANSFERASE COMPONENT OF PYRUVATE DEHYDROGENASE COMPLEX, MITOCHONDRIAL PRECURSOR (EC 2.3.1.12) (E2) (PDC-E2) (MRP3).	swissprot P20285	Energy production and conversion
7080	1188.1	CARBOXYPEPTIDASE S3, PENICILLOPEPTIDASE S3, CPD-S3.	tremblnew G1168044	ND
7081	1183.0	SUAPRGA1.	tremblnew CAB62571	ND
7082	1182.6	PUTATIVE SEPTIN.	tremblnew CAB61437	ND
7083	1179.6	PROTEASOME COMPONENT C7-ALPHA (EC 3.4.99.46) (MACROPAIN SUBUNIT C7- ALPHA) (PROTEINASE YSCE SUBUNIT 7) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX C7) (COMPONENT Y8) (SCL1 SUPPRESSOR PROTEIN).	swissprot P21243	Posttranslational modification, protein turnover, chaperones
7084	1178.9	UBI1.	tremblnew AAF24230	ND
7085	1177.7	ASPERGILLOPEPSIN O.	sptrembl Q00249	ND
7086	1176.0	ELONGATION FACTOR 1-GAMMA 2 (EF-1-GAMMA 2).	swissprot P36008	ND
7087	1174.2	P68-LIKE PROTEIN..	tremblnew CAA21801	DNA replication, recombination and repair
7088	1173.8	60S RIBOSOMAL PROTEIN L18.	swissnew Q10192	Translation, ribosomal structure and biogenesis

7089	1170.3	TUBULIN BETA CHAIN.	swissprot P22012	ND
7090	1165.8	CALCIUM/CALMODULIN DEPENDENT PROTEIN KINASE B.	sptrembl Q9Y899	Signal transduction mechanisms
7091	1164.6	CALMODULIN.	swissnew P19533	ND
7092	1164.1	HYPOTHETICAL 31.6 KD PROTEIN.	sptrembl O13844	ND
7093	1164.0	Aspergillus oryzae hema deletion allele-encoded protein.	geneseqp W30559	Coenzyme metabolism
7094	1163.5	PHOSPHOGLUCOMUTASE 2 (EC 5.4.2.2) (GLUCOSE PHOSPHOMUTASE 2) (PGM 2).	swissprot P37012	Carbohydrate transport and metabolism
7095	1162.5	CALCIUM/CALMODULIN- DEPENDENT PROTEIN KINASE (EC 2.7.1.123) (CMPK).	swissprot Q00771	Signal transduction mechanisms
7096	1161.9	ENOLASE (EC 4.2.1.11) (2- PHOSPHOGLYCERATE DEHYDRATASE) (2- PHOSPHO-D- GLYCERATE HYDRO-LYASE).	swissprot Q12560	Carbohydrate transport and metabolism
7097	1158.5	RIBOSOMAL PROTEIN S28.	tremblnew CAB56815	Translation, ribosomal structure and biogenesis
7098	1157.0	An enzyme with sugar transferase activity.	geneseqp W88044	Carbohydrate transport and metabolism
7099	1156.7	SERINE/THREONINE- PROTEIN KINASE STE20 (EC 2.7.1.-).	swissnew Q03497	Signal transduction mechanisms
7100	1152.3	THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.3) (THREONINE--TRNA LIGASE) (THRRS).	swissprot P87144	Translation, ribosomal structure and biogenesis
7101	1152.2	PUTATIVE GLYCYL-TRNA SYNTHETASE (EC 6.1.1.14) (GLYCINE--TRNA LIGASE) (GLYRS).	swissprot Q10179	Translation, ribosomal structure and biogenesis
7102	1151.5	PROBABLE MEMBRANE PROTEIN YOL130W.	sptrembl O13657	Inorganic ion transport and metabolism
7103	1151.0	NAD(+)-SPECIFIC GLUTAMATE DEHYDROGENASE.	sptrembl Q02222	ND
7104	1147.9	PHENYLALANYL-TRNA SYNTHETASE ALPHA CHAIN.	sptrembl O42849	Translation, ribosomal structure and biogenesis
7105	1143.7	SP62 HUMAN.	sptrembl O75245	ND
7106	1143.4	40S RIBOSOMAL PROTEIN S6.	swissprot P05752	Translation, ribosomal structure and biogenesis
7107	1141.0		swissprot P39954	Coenzyme

		ADENOSYLHOMOCYSTEINASE (EC 3.3.1.1) (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE).		metabolism
7108	1140.7	CYCLOPHILIN-LIKE PEPTIDYL PROLYL CIS-TRANS ISOMERASE (EC 5.2.1.8).	sptrembl O94184	Posttranslational modification, protein turnover, chaperones
7109	1138.6	UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT, MITOCHONDRIAL PRECURSOR (EC 1.10.2.2) (RIESKE IRON-SULFUR PROTEIN) (RISP).	swissprot P07056	Energy production and conversion
7110	1138.1	GLYCEROL KINASE (EC 2.7.1.30) (ATP:GLYCEROL 3-PHOSPHOTRANSFERASE) (GLYCEROKINASE) (GK).	swissprot Q64516	Energy production and conversion
7111	1135.1	Cephalosporin C #2.	geneseqp R49827	Energy production and conversion
7112	1132.7	REDUCTASE (FRAGMENT).	sptrembl O74646	ND
7113	1131.8	40S RIBOSOMAL PROTEIN S5 (S2) (YS8) (RP14).	swissprot P26783	Translation, ribosomal structure and biogenesis
7114	1130.9	60S RIBOSOMAL PROTEIN L7-C.	swissprot O60143	Translation, ribosomal structure and biogenesis
7115	1127.4	5-METHYLTETRAHYDROPTEROYLTRIGLUTAMATE--HOMOCYSTEIN METHYLTRANSFERASE (EC 2.1.1.14).	tremblnew CAB57427	Amino acid transport and metabolism
7116	1126.5	REGULATORY PROTEIN.	sptrembl Q00170	ND
7117	1125.8	RASP F 9 (FRAGMENT).	sptrembl O42800	Carbohydrate transport and metabolism
7118	1119.7	FIBRILLARIN (NUCLEOLAR PROTEIN 1).	swissprot P15646	Translation, ribosomal structure and biogenesis
7119	1115.8	PHOSPHO-2-DEHYDRO-3-DEOXYHEPTONATE ALDOLASE, TYROSINE-INHIBITED (EC 4.1.2.15) (PHOSPHO-2-KETO-3-DEOXYHEPTONATE ALDOLASE) (DAHP SYNTHETASE) (3-DEOXY-D-ARABINO-	swissprot P32449	Amino acid transport and metabolism

		HEPTULOSONATE 7-PHOSPHATE SYNTHASE).		
7120	1115.8	PROBABLE PEROXISOMAL MEMBRANE PROTEIN PMP20 (ALLERGEN ASP F 3).	swissprot O43099	ND
7121	1113.7	Yeast Pad1 protein.	geneseq Y08454	ND
7122	1111.9	GLUCOSAMINE-6-PHOSPHATE DEAMINASE.	tremblnew AAD42233	Carbohydrate transport and metabolism
7123	1111.6	BETA GLUCOSIDASE HOMOLOG.	sptrembl O13385	ND
7124	1110.3	SERINE/THREONINE PROTEIN KINASE.	sptrembl Q99012	Signal transduction mechanisms
7125	1108.9	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P37211	Energy production and conversion
7126	1108.4	SULFATE ADENYLYLTRANSFERASE (EC 2.7.7.4) (SULFATE ADENYLATE TRANSFERASE) (ATP-SULFURYLASE) (SULFURYLASE).	sptrembl Q12555	Inorganic ion transport and metabolism
7127	1106.0	PUTATIVE CTP SYNTHASE C10F6.03C (EC 6.3.4.2) (UTP-AMMONIA LIGASE C10F6.03C) (CTP SYNTHETASE C10F6.03C).	sptrembl O42644	Nucleotide transport
7128	1105.5	CYCLOPHILIN-LIKE PEPTIDYL PROLYL CIS-TRANS ISOMERASE (EC 5.2.1.8).	sptrembl O94184	Posttranslational modification, protein turnover, chaperones
7129	1105.2	HYDROXYMETHYLGLUTARYL-COA SYNTHASE (EC 4.1.3.5) (HMG-COA SYNTHASE) (3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE).	swissprot P54839	Lipid metabolism
7130	1104.2	NEGATIVE REGULATOR OF MITOSIS.	swissprot P24686	ND
7131	1103.9	SACCHAROPINE DEHYDROGENASE [NAD ⁺ , L-LYSINE FORMING] (EC 1.5.1.7) (LYSINE--2-OXOGLUTARATE REDUCTASE) (SDH).	swissprot P38997	Energy production and conversion
7132	1102.6	REPLICATION FACTOR-A PROTEIN 1.	tremblnew CAA22533	ND
7133	1100.7	QUEUINE TRNA-RIBOSYLTRANSFERASE.	sptrembl O94460	Translation, ribosomal structure and biogenesis
7134	1099.7	60S RIBOSOMAL PROTEIN L12.	swissprot P23358	Translation, ribosomal

				metabolism
7150	1078.8	PEPTIDE TRANSPORT PROTEIN.	tremblnew CAA22021	ND
7151	1078.4	PYRUVATE DECARBOXYLASE (EC 4.1.1.1).	swissprot P51844	Coenzyme metabolism
7152	1068.6	ALDEHYDE DEHYDROGENASE (EC 1.2.1.3) (ALDDH) (ALLERGEN CLA H 3) (CLA H III).	swissprot P40108	Energy production and conversion
7153	1068.5	VALYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (EC 6.1.1.9) (VALINE--TRNA LIGASE) (VALRS).	swissprot P28350	Translation, ribosomal structure and biogenesis
7154	1065.8	40S RIBOSOMAL PROTEIN S15 (S12).	swissprot P34737	Translation, ribosomal structure and biogenesis
7155	1065.4	U3 SMALL NUCLEOLAR RIBONUCLEOPROTEIN PROTEIN IMP4.	swissnew P53941	ND
7156	1064.0	POTASSIUM TRANSPORTER.	sptrembl Q9Y7B9	Inorganic ion transport and metabolism
7157	1063.6	PUTATIVE SEPTIN.	tremblnew CAB52419	ND
7158	1063.2	GLUTATHIONE-DEPENDENT FORMALDEHYDE DEHYDROGENASE (EC 1.2.1.1) (FDH) (FALDH) (FLD1).	sptrembl O74685	ND
7159	1061.9	60S RIBOSOMAL PROTEIN L11.	swissprot Q10157	Translation, ribosomal structure and biogenesis
7160	1060.4	PUTATIVE GLUCOSE SENSOR.	sptrembl O13477	ND
7161	1059.8	ADENYLATE KINASE CYTOSOLIC (EC 2.7.4.3) (ATP-AMP TRANSPHOSPHORYLASE).	swissprot P07170	Nucleotide transport
7162	1059.7	NADH-UBIQUINONE OXIDOREDUCTASE 21 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-21KD) (CI-21KD).	swissprot Q02854	ND
7163	1059.1	40S RIBOSOMAL PROTEIN S3.	swissprot O60128	Translation, ribosomal structure and biogenesis
7164	1058.1	HEAT SHOCK PROTEIN 70.	sptrembl O42808	Posttranslational modification, protein turnover,

				chaperones
7165	1057.4	Beta-1 integrin modulator B171.	geneseqp W19771	ND
7166	1056.9	PROLIFERATING CELL NUCLEAR ANTIGEN (PCNA).	swissprot Q03392	DNA replication, recombination and repair
7167	1055.9	O-METHYLTRANSFERASE.	tremblnew BAA86103	ND
7168	1054.2	HYPOTHETICAL 49.1 KD PROTEIN IN SSB2-SPX18 INTERGENIC REGION.	swissprot P40160	Signal transduction mechanisms
7169	1054.1	M. grisea PTH2 gene product.	geneseqp Y06783	ND
7170	1051.1	40S RIBOSOMAL PROTEIN S7.	swissprot O43105	ND
7171	1049.8	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P23704	Energy production and conversion
7172	1049.2	PRE-MRNA SPLICING FACTOR.	sptrembl Q12381	ND
7173	1046.5	GLYCOGEN PHOSPHORYLASE (EC 2.4.1.1).	swissprot P06738	Carbohydrate transport and metabolism
7174	1046.1	HISTONE H2A.	sptrembl O13413	ND
7175	1044.6	DIMETHYL-ALLYL-TRYPTPHAN-SYNTHASE.	sptrembl O94204	ND
7176	1044.3	SIMILAR TO GLYCOGEN DEBRANCHING ENZYME.	sptrembl Q06625	Carbohydrate transport and metabolism
7177	1041.1	CHITIN SYNTHASE D (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE D) (CLASS-V CHITIN SYNTHASE D).	swissprot P78611	ND
7178	1040.4	PUTATIVE HYDROXYACYLGLUTATHIONE HYDROLASE..	tremblnew CAB57337	ND
7179	1039.8	A. crysogenum cystathionine beta-synthase.	geneseqp R72589	Amino acid transport and metabolism
7180	1036.9	PUTATIVE DIHYDROXY-ACID DEHYDRATASE, MITOCHONDRIAL PRECURSOR (EC 4.2.1.9) (DAD) (2,3-DIHYDROXY ACID HYDROLYASE).	swissprot Q10318	Amino acid transport and metabolism
7181	1036.6	Malassezia fungus MF-5 antigenic protein.	geneseqp W29772	Energy production and conversion
7182	1035.6	LEUCYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (EC 6.1.1.4) (LEUCINE--TRNA LIGASE) (LEURS).	swissprot P15181	Translation, ribosomal structure and biogenesis
7183	1033.6	HYPOTHETICAL 69.2 KD PROTEIN.	sptrembl O60164	ND
7184	1032.1	PROBABLE SUCCINATE	tremblnew	Energy

		DEHYDROGENASE FLAVOPROTEIN SUBUNIT PRECURSOR(EC 1.3.5.1).	CAB61213	production and conversion
7185	1032.0	PUTATIVE ELONGATION FACTOR 3.	sptrembl O94489	ND
7186	1028.5	ISOPENTENYL- DIPHOSPHATE DELTA- ISOMERASE.	tremblnew CAB53731	Lipid metabolism
7187	1028.1	PUTATIVE PROTEASE SUBUNIT, CHAPERONIN.	sptrembl O94641	Posttranslational modification, protein turnover, chaperones
7188	1027.1	T-COMPLEX PROTEIN 1 GAMMA SUBUNIT HOMOLOG.	sptrembl O74341	ND
7189	1024.3	SUPEROXIDE DISMUTASE (CU-ZN) (EC 1.15.1.1).	sptrembl Q9Y8D9	Inorganic ion transport and metabolism
7190	1022.5	BCDNA.LD14392.	sptrembl Q9XZ58	ND
7191	1022.1	ALCOHOL OXIDASE 1.	tremblnew AAF02494	ND
7192	1020.8	T-COMPLEX PROTEIN 1, DELTA SUBUNIT (TCP-1- DELTA) (CCT-DELTA) (STIMULATOR OF TAR RNA BINDING).	swissprot P50991	Posttranslational modification, protein turnover, chaperones
7193	1020.0	An enzyme with sugar transferase activity.	geneseqp W88044	ND
7194	1019.3	GAP-DH.	geneseqp R12995	Carbohydrate transport and metabolism
7195	1018.7	HYPOTHETICAL 49.3 KD PROTEIN C30D11.06C IN CHROMOSOME I.	swissprot Q09906	ND
7196	1018.2	UBIQUITIN-ACTIVATING ENZYME E1 1 (FRAGMENT).	swissprot P52495	Coenzyme metabolism
7197	1018.0	NUCLEAR MOVEMENT PROTEIN NUDC.	swissprot P17624	ND
7198	1018.0	GAP-DH.	geneseqp R12995	Carbohydrate transport and metabolism
7199	1017.4	CARNITINE/ACYL CARNITINE CARRIER.	sptrembl Q9Y7G4	ND
7200	1016.8	REHYDRIN-LIKE PROTEIN.	sptrembl O94014	Posttranslational modification, protein turnover, chaperones
7201	1016.4	HYPOTHETICAL 37.2 KD PROTEIN IN CHA1-PRD1 INTERGENIC REGION.	swissprot P25586	Translation, ribosomal structure and biogenesis
7202	1014.5	HYPOTHETICAL 69.0 KD PROTEIN.	sptrembl O94022	ND
7203	1009.3	RHO2 PROTEIN.	swissprot Q10133	ND
7204	1006.6	PUTATIVE LYSYL-TRNA SYNTHETASE.	tremblnew CAB52801	Translation, ribosomal structure and

				biogenesis
7205	1004.7	GLYCYL-TRNA SYNTHETASE (EC 6.1.1.14) (GLYCINE--TRNA LIGASE) (GLYRS).	swissprot P38088	Translation, ribosomal structure and biogenesis
7206	1004.2	UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN).	swissprot O00102	ND
7207	1003.8	ISOLEUCYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS).	swissprot P09436	Translation, ribosomal structure and biogenesis
7208	1001.0	CHITIN SYNTHASE A (EC 2.4.1.16) (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE A) (CLASS-II CHITIN SYNTHASE A).	swissprot P30584	ND
7209	1000.9	VACUOLAR ATP SYNTHASE 98 KD SUBUNIT (EC 3.6.1.34) (VACUOLAR ATPASE 98 KD SUBUNIT).	swissprot Q01290	Energy production and conversion

Table 4. *Trichoderma reesei* ESTs

Sequence Listing	zscore	Annotation	Database	Functional Category
7401	3514.6	EXOGLUCANASE I PRECURSOR (EC 3.2.1.91) (EXOCELLIOHYDROLAS E I) (CBHI) (1,4-BETA-CELLOBIOHYDROLASE).	swissprot P00725	ND
7402	3143.2	Cellobiohydrolase CBH II protein.	geneseqp P50308	ND
7403	2899.7	HEAT SHOCK 70 KD PROTEIN (HSP70).	swissprot Q01233	Posttranslational modification, protein turnover, chaperones
7404	2335.7	BETE-GLUCOSIDASE.	sptrembl O93785	ND
7405	2276.9	BETA-XYLOSIDASE PRECURSOR (EC 3.2.1.37).	sptrembl Q92458	ND
7406	2270.7	PROTEIN DISULPHIDE ISOMERASE PRECURSOR.	sptrembl O74568	ND
7407	1899.1	ENDOGLUCANASE IV.	sptrembl O14405	ND
7408	1808.4	ENDOGLUCANASE EG-II PRECURSOR (EC 3.2.1.4) (ENDO-1,4-BETA-GLUCANASE) (CELLULASE).	swissprot P07982	ND
7409	1731.4	Enzyme with endoglucanase activity.	geneseqp R66548	ND
7410	1719.7	Endoglucanase-I protein	geneseqp R79539	ND

		sequence.		
7411	1691.7	ACETYLXYLAN ESTERASE PRECURSOR (EC 3.1.1.72).	sptrembl Q99034	ND
7412	1640.1	PUTATIVE PROTEASE SUBUNIT, CHAPERONIN.	sptrembl O94641	Posttranslational modification, protein turnover, chaperones
7413	1526.2	ELONGATION FACTOR 1- ALPHA (EF-1-ALPHA).	swissprot P34825	Amino acid transport and metabolism
7414	1453.5	78 KD GLUCOSE- REGULATED PROTEIN HOMOLOG PRECURSOR (GRP 78) (IMMUNOGLOBULIN HEAVY CHAIN BINDING PROTEIN HOMOLOG) (BIP).	swissnew P78695	Posttranslational modification, protein turnover, chaperones
7415	1408.0	GLYCERALDEHYDE 3- PHOSPHATE DEHYDROGENASE 2 (EC 1.2.1.12) (GAPDH2).	swissprot P17730	Carbohydrate transport and metabolism
7416	1405.7	AMINO-ACID PERMEASE INDA1.	swissprot P34054	Amino acid transport and metabolism
7417	1395.0	NADH DEHYDROGENASE SUBUNIT.	sptrembl Q01388	Energy production and conversion
7418	1393.9	POLYUBIQUITIN.	sptrembl O74274	ND
7419	1346.1	ADP,ATP CARRIER PROTEIN (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT).	swissprot P02723	ND
7420	1323.7	PYRUVATE CARBOXYLASE.	sptrembl O93918	Amino acid transport and metabolism
7421	1309.3	GLUCAN SYNTHASE.	sptrembl Q9Y8B3	ND
7422	1262.0	BETA-XYLOSIDASE PRECURSOR (EC 3.2.1.37).	sptrembl Q92458	ND
7423	1257.6	HEAT SHOCK PROTEIN 90 HOMOLOG (SUPPRESSOR OF VEGETATIVE INCOMPATIBILITY MOD-E).	swissprot O43109	Posttranslational modification, protein turnover, chaperones
7424	1236.9	ALPHA-L- ARABINOFURANOSIDASE PRECURSOR (EC 3.2.1.55) (ARABINOSIDASE).	swissprot O54161	ND
7425	1236.1	STRESS-RESPONSIVE GENE PRODUCT.	tremblnew BAA85305	ND
7426	1233.4	T. longibrachiatum endoglucanase EGII.	geneseqp R77264	ND
7427	1209.2	EXOGLUCANASE I PRECURSOR (EC 3.2.1.91) (EXOCOLLOBIOHYDROLAS E I) (CBHI) (1,4-BETA- CELLOBIOHYDROLASE).	swissprot P00725	ND

7428	1202.4	ACID TREHALASE PRECURSOR (EC 3.2.1.28) (ALPHA,ALPHA- TREHALASE) (ALPHA,ALPHA- TREHALOSE GLUCOHYDROLASE).	swissprot P78617	ND
7429	1180.9	A. chrysogenum gamma-actin.	geneseqp W77101	Cell division and chromosome partitioning
7430	1175.1	SERINE HYDROXYMETHYLTRANS FERASE, CYTOSOLIC (EC 2.1.2.1) (SERINE METHYLASE) (GLYCINE HYDROXYMETHYLTRANS FERASE) (SHMT).	swissprot P34898	Amino acid transport and metabolism
7431	1158.1	ELONGATION FACTOR 1- ALPHA (EF-1-ALPHA).	swissprot P34825	Amino acid transport and metabolism
7432	1155.9	RIBOSE-PHOSPHATE PYROPHOSPHOKINASE.	sptrembl O94413	Nucleotide transport
7433	1140.3	NAD(+)-ISOCITRATE DEHYDROGENASE SUBUNIT I PRECURSOR.	sptrembl O13302	Amino acid transport and metabolism
7434	1132.8	PLASMA MEMBRANE ATPASE (EC 3.6.1.35) (PROTON PUMP).	swissprot P07038	Inorganic ion transport and metabolism
7435	1127.0	HISTIDINE KINASE (FRAGMENT).	tremblnew AAD40816	ND
7436	1122.6	HYPOTHETICAL 44.2 KD GTP-BINDING PROTEIN IN SCO2-MRF1 INTERGENIC REGION.	swissprot P38219	ND
7437	1073.9	GUANINE NUCLEOTIDE- BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (CROSS- PATHWAY CONTROL WD-REPEAT PROTEIN CPC-2).	swissprot Q01369	ND
7438	1063.3	GTP-BINDING PROTEIN YPT1.	swissprot P33723	ND
7440	993.7	FUMARATE HYDRATASE PRECURSOR (EC 4.2.1.2) (FUMARASE).	swissprot P55250	Energy production and conversion
7441	985.3	PH RESPONSIVE PROTEIN 1 PRECURSOR (PH- REGULATED PROTEIN 1).	swissprot P43076	ND
7442	985.0	60S RIBOSOMAL PROTEIN L5.	swissprot O59953	Translation, ribosomal structure and biogenesis
7443	980.7	INORGANIC PYROPHOSPHATASE (EC 3.6.1.1) (PYROPHOSPHATE PHOSPHO- HYDROLASE) (PPASE).	swissprot P19117	Energy production and conversion

7444	977.7	40S RIBOSOMAL PROTEIN S3AE (S1).	swissprot P40910	Translation, ribosomal structure and biogenesis
7445	971.3	MONOUBIQUITIN/CARBOXY EXTENSION PROTEIN FUSION.	sptrembl O74216	ND
7446	968.6	PROBABLE ATP-DEPENDENT PERMEASE C3F10.11C.	swissprot Q10185	ND
7447	959.7	HEAT SHOCK PROTEIN 90 HOMOLOG (SUPPRESSOR OF VEGETATIVE INCOMPATIBILITY MOD-E).	swissprot O43109	Posttranslational modification, protein turnover, chaperones
7448	957.2	CYCLOPHILIN B (EC 5.2.1.8).	sptrembl O94190	Posttranslational modification, protein turnover, chaperones
7450	944.8	AMINO-ACID PERMEASE IND1.	swissprot P34054	Amino acid transport and metabolism
7451	936.4	PLASMA MEMBRANE H(+)-ATPASE.	sptrembl O93862	Inorganic ion transport and metabolism
7452	925.1	78 KD GLUCOSE-REGULATED PROTEIN HOMOLOG PRECURSOR (GRP 78) (IMMUNOGLOBULIN HEAVY CHAIN BINDING PROTEIN HOMOLOG) (BIP).	swissnew P78695	Posttranslational modification, protein turnover, chaperones
7453	907.3	PUTATIVE BETA-SUBUNIT OF K ⁺ CHANNELS.	sptrembl O82064	Energy production and conversion
7454	902.5	CHROMOSOME XV READING FRAME ORF YOR262W.	sptrembl Q08726	ND
7455	900.3	ACYL-COA DESATURASE 1 (EC 1.14.99.5) (STEAROYL-COA DESATURASE 1) (FATTY ACID DESATURASE 1).	sptrembl Q12618	Lipid metabolism
7456	899.4	PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.	swissprot P78979	Cell motility and secretion
7457	876.0	60S RIBOSOMAL PROTEIN L23 (L17).	swissprot P04451	Translation, ribosomal structure and biogenesis
7458	867.5	BETA-GLUCOSIDASE.	sptrembl O93784	ND
7459	861.2	78 KD GLUCOSE-REGULATED PROTEIN HOMOLOG PRECURSOR (GRP 78) (IMMUNOGLOBULIN HEAVY CHAIN BINDING	swissnew P78695	Posttranslational modification, protein turnover, chaperones

		PROTEIN HOMOLOG) (BIP).		
7460	856.5	PUTATIVE GTP CYCLOHYDROLASE.	tremblnew CAB65619	ND
7461	849.6	PROTEASOME COMPONENT PUP2 (EC 3.4.99.46) (MACROPAIN SUBUNIT PUP2) (PROTEINASE YSCE SUBUNIT PUP2) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT PUP2).	swissprot P32379	Posttranslational modification, protein turnover, chaperones
7462	839.0	40S RIBOSOMAL PROTEIN S4.	swissprot P87158	Translation, ribosomal structure and biogenesis
7463	837.8	PCZA361.14.	sptrembl O52801	ND
7464	835.2	CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).	swissprot P87072	ND
7465	834.2	3-ISOPROPYLMALATE DEHYDROGENASE (EC 1.1.1.85) (BETA-IPM DEHYDROGENASE) (IMDH) (3-IPM-DH).	swissprot P34738	Amino acid transport and metabolism
7466	832.8	HEAT SHOCK PROTEIN 60 PRECURSOR (ANTIGEN HIS-62).	swissprot P50142	Posttranslational modification, protein turnover, chaperones
7467	829.9	40S RIBOSOMAL PROTEIN S17 (CRP3).	swissprot P27770	Translation, ribosomal structure and biogenesis
7468	823.2	4-DIHYDROMETHYL-TRISPORATE DEHYDROGENASE.	sptrembl Q01213	ND
7469	801.8	CYCLOPHILIN, MITOCHONDRIAL FORM PRECURSOR (EC 5.2.1.8).	sptrembl Q99009	Posttranslational modification, protein turnover, chaperones
7470	800.4	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR (EC 3.6.1.34).	swissnew P23704	Energy production and conversion
7471	797.6	A. niger xylanase regulator xylR.	geneseqp W08586	ND
7472	796.4	40S RIBOSOMAL PROTEIN S8 (S14) (YS9) (RP19).	swissprot P05754	Translation, ribosomal structure and biogenesis
7473	787.3	60S RIBOSOMAL PROTEIN L2.	sptrembl O94253	Translation, ribosomal structure and biogenesis
7474	780.1	ELONGATION FACTOR 2 (FRAGMENT).	tremblnew CAB52147	Translation, ribosomal

				structure and biogenesis
7475	778.8	VACUOLAR ATP SYNTHASE SUBUNIT B (EC 3.6.1.34) (V-ATPASE 57 KD SUBUNIT).	swissprot P11593	Energy production and conversion
7476	778.0	40S RIBOSOMAL PROTEIN S14 (CRP2).	swissprot P19115	Translation, ribosomal structure and biogenesis
7477	757.6	PROBABLE UTP--GLUCOSE-1-PHOSPHATE URIDYLYLTRANSFERASE.	tremblnew CAA22857	ND
7478	746.3	Candida albicans CaCLA4 protein.	geneseqp W48896	Signal transduction mechanisms
7479	736.5	CTR1 SUPPRESSOR PROTEIN.	swissprot P32784	ND
7480	728.0	ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).	swissprot P16928	Lipid metabolism
7481	725.0	TRANSALDOLASE (EC 2.2.1.2).	swissprot P15019	Carbohydrate transport and metabolism
7482	724.0	PROTEIN KINASE.	sptrembl O59790	Signal transduction mechanisms
7483	720.8	PDI RELATED PROTEIN A.	sptrembl O93914	Energy production and conversion
7484	711.9	40S RIBOSOMAL PROTEIN S22 (S15A) (YS24).	swissprot P33953	Translation, ribosomal structure and biogenesis
7485	709.2	Yeast RNA-binding protein ZPR1.	geneseqp W38455	ND
7486	700.7	pI 5.5 endoxylanase.	geneseqp R47123	ND
7487	700.5	PUTATIVE ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE.	tremblnew CAB52715	Carbohydrate transport and metabolism
7488	693.1	POTENTIAL PROTEASOME COMPONENT C5 (EC 3.4.99.46) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C5).	swissprot P23724	Posttranslational modification, protein turnover, chaperones
7489	684.0	VACUOLAR ASPARTIC PROTEASE PRECURSOR.	sptrembl O42630	ND
7490	682.5	PHOSPHOGLUCOMUTASE.	sptrembl O74374	Carbohydrate transport and metabolism
7491	681.8	40S RIBOSOMAL PROTEIN S6.	swissprot P05752	Translation, ribosomal structure and biogenesis

7492	678.4	PROTEIN TRANSPORT PROTEIN SEC13.	swissprot P53024	ND
7493	667.9	EBURICOL 14 ALPHA- DEMETHYLASE.	tremblnew AAF18468	ND
7494	663.8	NADP-SPECIFIC GLUTAMATE DEHYDROGENASE (EC 1.4.1.4) (NADP-GDH).	swissprot P00369	Amino acid transport and metabolism
7495	653.0	HYPOTHETICAL 17.4 KD PROTEIN.	sptrembl O59727	ND
7496	643.2	DIHYDROLIPOAMIDE ACETYLTRANSFERASE COMPONENT OF PYRUVATE DEHYDROGENASE COMPLEX, MITOCHONDRIAL PRECURSOR (EC 2.3.1.12) (E2) (PDC-E2) (MRP3).	swissprot P20285	Energy production and conversion
7497	641.3	CAMP-DEPENDENT PROTEIN KINASE CATALYTIC SUBUNIT.	sptrembl Q9Y777	Signal transduction mechanisms
7498	639.5	CELL DIVISION- ASSOCIATED PROTEIN BIMB.	swissprot P33144	ND
7499	632.0	HIGH-AFFINITY GLUCOSE TRANSPORTER.	swissprot P49374	ND
7500	631.2	HYPOTHETICAL 58.8 KD PROTEIN C16A3.10 IN CHROMOSOME II.	sptrembl O42916	ND
7501	628.2	PROTEIN KINASE DSK1 (EC 2.7.1.-) (DIS1- SUPPRESSING PROTEIN KINASE).	swissprot P36616	Signal transduction mechanisms
7502	627.2	14-3-3.	tremblnew BAA89421	ND
7503	623.1	78 KD GLUCOSE- REGULATED PROTEIN HOMOLOG PRECURSOR (GRP 78) (IMMUNOGLOBULIN HEAVY CHAIN BINDING PROTEIN HOMOLOG) (BIP).	swissprot P36604	Posttranslational modification, protein turnover, chaperones
7504	618.5	CYTOCHROME C549.	tremblnew BAA85768	ND
7505	617.0	3-HYDROXYBUTYRYL- COA DEHYDROGENASE (EC 1.1.1.157) (BETA- HYDROXYBUTYRYL-COA DEHYDROGENASE) (BHBD).	swissprot Q45223	Lipid metabolism
7506	616.9	HEAT SHOCK 70 KD PROTEIN COGNATE 5.	swissprot P29845	Posttranslational modification, protein turnover, chaperones
7507	607.2	01232.	sptrembl Q05663	ND
7508	605.9	SERINE THREONINE-	sptrembl O94537	Signal

		PROTEIN KINASE.		transduction mechanisms
7509	597.9	FRUCTOSE-1,6-BISPHOSPHATASE (EC 3.1.3.11) (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE).	swissprot P09202	Carbohydrate transport and metabolism
7510	593.3	NADH-DEPENDENT GLUTAMATE SYNTHASE.	sptrembl Q40360	Amino acid transport and metabolism
7511	585.6	AVICELASE III.	sptrembl O74170	ND
7512	577.5	HISTONE H4.1.	swissprot P23750	DNA replication, recombination and repair
7513	572.1	GLYCEROL-3-PHOSPHATE DEHYDROGENASE (FRAGMENT).	tremblnew AAB50200	Energy production and conversion
7514	568.8	HEAT SHOCK PROTEIN HSP88.	sptrembl O74225	ND
7515	564.0	DOLICHOL-PHOSPHATE MANNOSYLTRANSFERASE (EC 2.4.1.83) (DOLICHOL-PHOSPHATE MANNOSE SYNTHASE) (DOLICHYL-PHOSPHATE BETA-D-MANNOSYLTRANSFERASE).	sptrembl O14466	ND
7516	552.8	PROBABLE SYNAPTOBREVIN HOMOLOG C6G9.11.	swissprot Q92356	ND
7517	552.8	60S RIBOSOMAL PROTEIN L1-B (L10A).	swissprot O74836	Translation, ribosomal structure and biogenesis
7518	551.9	VANILLIN: NAD+ OXIDOREDUCTASE.	sptrembl O69763	ND
7519	545.5	PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE) (MULTIFUNCTIONAL BETA-OXIDATION PROTEIN) (MFP) [INCLUDES: 2-ENOYL-COA HYDRATASE (EC 4.2.1.-); D-3-HYDROXYACYL COA DEHYDROGENASE (EC 1.1.1.-)].	swissnew Q01373	ND
7520	543.1	UREASE (EC 3.5.1.5) (UREA AMIDOHYDROLASE).	sptrembl O14420	Amino acid transport and metabolism
7521	541.4	PUTATIVE SECRETED HYDROLASE.	sptrembl O69962	ND
7522	540.4	60S RIBOSOMAL PROTEIN L13.	swissprot O59931	ND
7523	535.2	BETA-GLUCOSIDASE	swissprot P07337	ND

		PRECURSOR (EC 3.2.1.21) (GENTIOBIASE) (CELLOBIASE) (BETA-D- GLUCOSIDE GLUCOHYDROLASE).		
7524	532.0	PUTATIVE TRANSCRIPTIONAL REPRESSOR C30D10.02.	sptrembl O14348	ND
7525	523.6	MYOSIN I HEAVY CHAIN.	sptrembl Q00647	ND
7526	521.8	PUTATIVE MITOCHONDRIAL CARRIER C8C9.12C.	sptrembl O14281	ND
7527	520.3	MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (EC 1.1.1.37).	swissprot P17505	Energy production and conversion
7528	518.6	U6 SNRNA-ASSOCIATED SM-LIKE PROTEIN LSM5.	tremblnew AAD56229	ND
7529	511.2	PHOSPHOGLUCOMUTASE 1 (EC 5.4.2.2) (GLUCOSE PHOSPHOMUTASE 1) (PGM 1).	swissprot P33401	Carbohydrate transport and metabolism
7530	510.1	Yeast CAAX processing enzyme Afc1p.	geneseqp W48301	Posttranslational modification, protein turnover, chaperones
7531	507.9	c424 gene product.	geneseqp R43654	ND
7532	505.8	PURINE NUCLEOSIDE PERMEASE.	sptrembl O93844	ND
7533	504.5	CHAPERONIN HSP78P.	sptrembl O74402	Posttranslational modification, protein turnover, chaperones
7534	500.8	60S RIBOSOMAL PROTEIN L26.	swissnew P78946	Translation, ribosomal structure and biogenesis
7535	499.0	STIL+.	sptrembl O13458	ND
7536	494.4	UBIQUITIN CARBOXYL- TERMINAL HYDROLASE (HOMOLOGY TO UBIQUITIN CARBOXYL- TERMINAL HYDROLASE).	sptrembl Q11119	ND
7537	491.7	HYPOTHETICAL 30.8 KD PROTEIN.	sptrembl O74710	ND
7538	487.5	TRANSLATIONALLY CONTROLLED TUMOR PROTEIN HOMOLOG (TCTP).	swissprot P35691	ND
7539	476.3	DNA BINDING PROTEIN NSDD.	sptrembl Q92226	ND
7540	475.9	60S RIBOSOMAL PROTEIN L34-A.	swissprot P87262	Translation, ribosomal structure and biogenesis
7541	469.2	HYPOTHETICAL 36.7 KD PROTEIN C2E11.10 IN	sptrembl O14075	ND

		CHROMOSOME I.		
7542	460.3	SIMILAR TO ASPARTATE AMINOTRANSFERASE.	sptrembl Q17994	ND
7543	458.0	HYPOTHETICAL 36.7 KD PROTEIN C2F7.14C IN CHROMOSOME I.	swissprot Q09704	Translation, ribosomal structure and biogenesis
7544	455.2	60S RIBOSOMAL PROTEIN L35.	swissprot P17078	Translation, ribosomal structure and biogenesis
7545	439.7	HYPOTHETICAL 53.4 KD PROTEIN (FRAGMENT).	sptrembl Q9Y7E2	ND
7546	438.1	HYPOTHETICAL 59.0 KD PROTEIN C30D11.14 IN CHROMOSOME I.	swissprot Q09911	ND
7547	435.2	NADPH-DEPENDENT ALDEHYDE REDUCTASE (EC 1.1.1.2) (ALCOHOL DEHYDROGENASE (NADP+)) (ALDEHYDE REDUCTASE (NADPH)).	sptrembl Q12707	ND
7548	428.2	60S RIBOSOMAL PROTEIN L27A (L29).	swissprot P78987	Translation, ribosomal structure and biogenesis
7549	427.9	THIOREDOXIN.	swissprot P42115	ND
7550	420.0	30 KD HEAT SHOCK PROTEIN.	swissprot P19752	ND
7551	418.0	HYPOTHETICAL 25.2 KD PROTEIN.	sptrembl Q9Y7K7	ND
7552	411.8	CALCIUM/PROTON EXCHANGER.	sptrembl O59940	ND
7553	410.0	ASPARTIC PROTEINASE.	sptrembl Q9Y740	ND
7554	409.7	ALPHA,ALPHA-TREHALASE {EC 3.2.1.28}.	tremblnew G1911650	ND
7555	409.4	HYPOTHETICAL 34.2 KD PROTEIN IN CUS1-RPL20A INTERGENIC REGION.	swissprot Q04013	ND
7556	407.7	CARBOXYLIC ACID TRANSPORTER PROTEIN HOMOLOG.	swissprot P36035	ND
7557	402.5	UBIQUITIN-CONJUGATING ENZYME E2-34 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (CELL DIVISION CONTROL PROTEIN 34).	swissprot P14682	ND
7558	400.5	DIHYDROLIPOAMIDE SUCCINYLTRANSFERASE.	tremblnew AAD47296	ND
7559	398.0	NPL1 PROTEIN (SEC63 PROTEIN).	swissprot P14906	Posttranslational modification, protein turnover, chaperones
7560	395.3	HYPOTHETICAL OXIDOREDUCTASE	swissnew Q09851	ND

		C23D3.11 IN CHROMOSOME I (EC 1.-.-.-).		
7561	386.2	HYPOTHETICAL 121.8 KD PROTEIN.	sptrembl O43001	ND
7562	383.9	MDJ1 PROTEIN PRECURSOR.	swissprot P35191	Posttranslational modification, protein turnover, chaperones
7563	383.6	CONSERVED HYPOTHETICAL PROTEIN.	sptrembl O74739	ND
7564	378.5	CELL DIVISION CONTROL PROTEIN 4.	swissprot P53699	ND
7565	366.5	VACUOLAR ATP SYNTHASE SUBUNIT G (EC 3.6.1.34) (V-ATPASE 13 KD SUBUNIT) (VACUOLAR H(+)-ATPASE SUBUNIT G).	swissprot P78713	ND
7566	364.8	VIP1 PROTEIN (P53 ANTIGEN HOMOLOG).	sptrembl P87216	ND
7567	359.1	F45H11.2 PROTEIN.	sptrembl Q93725	ND
7568	357.4	CARBONIC ANHYDRASE (EC 4.2.1.1).	sptrembl Q43060	ND
7569	355.5	HYPOTHETICAL 61.3 KD PROTEIN CY369.29.	sptrembl P71838	ND
7570	353.3	ASCOSPORE MATURATION 1 PROTEIN.	sptrembl Q92251	ND
7571	351.2	OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN.	swissprot P07144	ND
7572	350.2	HYPOTHETICAL 30.7 KD PROTEIN IN RVS161-ADP1 INTERGENIC REGION.	swissprot P25613	ND
7573	349.8	HEAT SHOCK FACTOR PROTEIN (HSF) (HEAT SHOCK TRANSCRIPTION FACTOR) (HSTF).	swissprot Q02953	ND
7574	346.1	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
7575	340.5	W02A2.5 PROTEIN.	sptrembl Q9XUB4	ND
7576	338.3	HYPOTHETICAL 32.6 KD PROTEIN IN VPS15-YMC2 INTERGENIC REGION.	swissprot P38260	ND
7577	337.0	BRANCHED-CHAIN AMINO ACID AMINOTRANSFERASE, CYTOSOLIC (EC 2.6.1.42) (BCAT) (TWT2 PROTEIN).	swissprot P47176	ND
7578	336.9	HYPOTHETICAL 34.0 KD PROTEIN IN CTF13-YPK2 INTERGENIC REGION.	swissprot Q03161	ND
7579	330.8	REHYDRIN-LIKE PROTEIN.	sptrembl O94014	ND
7580	329.1	PUTATIVE 20KDA SUBUNIT OF THE V-ATPASE.	sptrembl P87252	ND
7581	328.5	PXP-18.	tremblnew	ND

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7582	328.0	HYPOTHETICAL 49.6 KD PROTEIN IN ELM1-PRI2 INTERGENIC REGION.	swissprot P36091	ND
7583	326.7	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
7584	325.9	THIOREDOXIN-LIKE PROTEIN.	tremblnew CAB54816	ND
7585	322.7	PROBABLE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 RNA-BINDING SUBUNIT (EIF-3 RNA-BINDING SUBUNIT) (EIF3 P33) (TRANSLATION INITIATION FACTOR EIF3, P33 SUBUNIT).	swissprot P78795	ND
7586	320.8	MALTOSE PERMEASE.	sptrembl Q9Y845	ND
7587	318.7	HYPOTHETICAL 57.2 KD PROTEIN C12B10.16C IN CHROMOSOME I.	swissprot Q10449	ND
7588	317.3	SOL FAMILY PROTEIN HOMOLOG.	sptrembl O74455	ND
7589	317.2	CLOCK-CONTROLLED GENE-6 PROTEIN.	sptrembl O74694	ND
7590	313.4	PUTATIVE STERIGMATOCYSTIN BIOSYNTHESIS PROTEIN STCT.	swissprot Q00717	ND
7591	311.9	HYPOTHETICAL 92.4 KD PROTEIN.	sptrembl P74690	ND
7592	292.9	PUTATIVE GLUCOSYLTRANSFERASE C17C9.07 (EC 2.4.1.-).	swissprot Q10479	ND
7593	292.5	HYPOTHETICAL 22.0 KD PROTEIN IN FOX3-UBP7 INTERGENIC REGION.	swissprot P40452	ND
7594	288.6	Mutant 2,5-diketo-D-gluconic acid reductase A.	geneseqp R49932	ND
7595	282.6	PUTATIVE BRANCHED-CHAIN AMINO ACID AMINOTRANSFERASE.	sptrembl Q9Y885	ND
7596	280.5	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).	swissprot Q02817	ND
7597	273.8	CHROMOSOME XV READING FRAME ORF YOL092W.	sptrembl Q12010	ND
7598	273.7	GLUCOSAMINE--FRUCTOSE-6-PHOSPHATE AMINOTRANSFERASE [ISOMERIZING] (EC 2.6.1.16) (HEXOSEPHOSPHATE AMINOTRANSFERASE) (D-FRUCTOSE-6- PHOSPHATE AMIDOTRANSFERASE) (GFAT).	swissprot P53704	ND
7599	272.0	H(+)/MONOSACCHARIDE	sptrembl O13411	ND

		COTRANSPORTER.		
7600	270.1	HYPOTHETICAL 36.8 KD PROTEIN.	sptrembl P71847	ND
7601	269.9	PHOSPHATIDYLETHANOLAMINE N-METHYLTRANSFERASE (EC 2.1.1.17).	swissprot P05374	ND
7602	269.8	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN).	swissprot P13983	ND
7603	269.2	HYPOTHETICAL 69.0 KD PROTEIN IN PPX1-RPS4B INTERGENIC REGION.	swissprot P38887	ND
7604	263.9	30 KD HEAT SHOCK PROTEIN.	swissprot P19752	ND
7605	261.4	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
7606	259.9	Polypeptide fragment encoded by gene 29.	geneseqp Y01464	ND
7607	255.7	Klebsiella pneumoniae glycerol-3-phosphate dehydrogenase.	geneseqp W60255	ND
7608	254.9	HYDROXYPROLINE-RICH GLYCOPROTEIN.	sptrembl Q42366	ND
7609	253.2	Sugar beet chitinase 1.	geneseqp R28150	ND
7610	250.2	THIOREDOXIN-LIKE PROTEIN.	tremblnew CAB54816	ND
7611	247.7	P7 PREINSERTION DNA.	sptrembl Q60501	ND
7612	240.7	PROLINE-RICH CELL WALL PROTEIN.	sptrembl Q39789	ND
7613	240.5	COFILIN.	swissprot P78929	ND
7614	238.5	IUCB.	sptrembl Q9XCH3	ND
7615	238.0	Human actVA-ORF4-like protein sequence.	geneseqp Y14147	ND
7616	233.1	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
7617	232.3	HYPOTHETICAL 38.8 KD PROTEIN IN MIC1-SRB5 INTERGENIC REGION.	swissprot P53259	ND
7618	232.0	HYPOTHETICAL 41.8 KD PROTEIN (FRAGMENT).	tremblnew CAB55926	ND
7619	231.3	HYPOTHETICAL 22.2 KD PROTEIN IN ERP6-TFG2 INTERGENIC REGION.	swissprot P53200	ND
7620	230.2	WP6 PRECURSOR.	sptrembl Q39492	ND
7621	228.1	D-3-PHOSPHOGLYCERATE DEHYDROGENASE (EC 1.1.1.95) (PGDH).	swissprot P73821	ND
7622	225.7	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
7623	225.5	HYPOTHETICAL PROTEIN MJ1527 PRECURSOR.	sptrembl Q58922	ND
7624	225.3	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND

7625	225.3	CELL DIVISION-ASSOCIATED PROTEIN BIMB.	swissprot P33144	ND
7626	225.0	CYSTEINE-RICH PROTEIN (FRAGMENT).	sptrembl Q16861	ND
7627	223.6	PUTATIVE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE C6G9.08 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING ENZYME).	swissprot Q92353	ND
7628	223.0	EPD2 PROTEIN.	sptrembl O74137	ND
7629	221.4	PROLINE-RICH CELL WALL PROTEIN.	sptrembl Q39789	ND
7630	220.5	CHROMOSOME XII COSMID 8167.	sptrembl Q05790	ND
7631	220.4	HYPOTHETICAL PROTEIN C30B4.01C IN CHROMOSOME II (FRAGMENT).	sptrembl P87179	ND
7632	219.3	26S PROTEASOME REGULATORY SUBUNIT.	sptrembl O74762	ND
7633	218.6	NEUROFIBROMATOSIS TYPE 1.	sptrembl Q9YGV2	ND
7634	217.6	30 KD HEAT SHOCK PROTEIN.	swissprot P19752	ND
7635	217.6	DNA-DIRECTED RNA POLYMERASE III 36 KD POLYPEPTIDE (EC 2.7.7.6) (C34).	swissprot P32910	ND
7636	217.3	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P24152	ND
7637	216.9	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
7638	214.5	MUCIN (FRAGMENT).	sptrembl Q14888	ND
7639	213.6	HYPOTHETICAL 141.6 KD PROTEIN.	sptrembl O59704	ND
7640	212.3	ATPASE INHIBITOR, MITOCHONDRIAL PRECURSOR.	swissprot P01097	ND
7641	209.6	AVICELASE III.	sptrembl O74170	ND
7642	207.1	CYSTEINE SYNTHASE (EC 4.2.99.8) (O-ACETYL SERINE SULFHYDRYLASE) (O-ACETYL SERINE (THIOL)-LYASE) (CSASE).	swissprot P50867	ND
7643	205.8	CHROMOSOME XVI COSMID 9659.	sptrembl Q06505	ND
7644	205.4	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).	swissprot P14918	ND
7645	204.9	DIMERIC DIHYDRODIOL DEHYDROGENASE (EC	tremblnew BAA83488	ND

		1.3.1.20).		
7646	204.1	HYPOTHETICAL 29.3 KD PROTEIN (ORF92).	swissprot O10341	ND
7647	203.6	Intestinal mucin deduced from clone SMUC 40.	geneseqp R07670	ND
7648	202.8	PUTATIVE GLUCANASE PRECURSOR.	tremblnew CAB57923	ND
7649	202.7	PDI RELATED PROTEIN A.	sptrembl O93914	ND
7650	202.6	UTR4 PROTEIN (UNKNOWN TRANSCRIPT 4 PROTEIN).	swissprot P32626	ND
7651	201.8	HYPOTHETICAL 32.8 KD PROTEIN.	sptrembl O60110	ND
7652	199.7	EXTENSIN-LIKE PROTEIN.	tremblnew CAA22152	ND
7653	199.1	MUCIN (FRAGMENT).	sptrembl Q14887	ND
7654	198.3	HYPOTHETICAL PROTEIN KIAA0107.	swissprot Q15008	ND
7655	197.6	HYDROXYPROLINE-RICH GLYCOPROTEIN DZ-HRGP PRECURSOR.	tremblnew CAB62280	ND
7656	197.3	PIPSQUEAK PROTEIN (ORF-A SHORT).	sptrembl Q24455	ND
7657	196.8	CHA4 ACTIVATORY PROTEIN.	swissprot P43634	ND
7658	195.7	PUTATIVE ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE.	tremblnew CAB52715	ND
7659	193.6	NEURON-DERIVED ORPHAN RECEPTOR-1 BETA.	sptrembl O97727	ND
7660	193.5	HYDROXYPROLINE-RICH GLYCOPROTEIN PRECURSOR.	sptrembl Q41719	ND
7661	193.4	SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPLICING COMPONENT, 35 KD) (PR264 PROTEIN).	swissprot Q01130	ND
7662	193.0	ALPHA/BETA-GLIADIN CLONE PW1215 PRECURSOR (PROLAMIN).	swissprot P04726	ND
7663	193.0	ORF-3.	sptrembl Q01823	ND
7664	192.1	SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185).	swissprot P21997	ND
7665	191.8	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83714	ND
7666	191.1	PUTATIVE PROLINE-RICH PROTEIN.	sptrembl Q9ZW08	ND
7667	190.8	NAPG OXIDOREDUCTASE.	sptrembl Q9X653	ND
7668	190.0	EXTENSIN (FRAGMENT).	sptrembl Q41645	ND
7669	189.5	NADH-UBIQUINONE OXIDOREDUCTASE 21 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-21KD)	swissprot Q02854	ND

		(CI-21KD).		
7670	188.9	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P02840	ND
7671	188.3	DOLICHYL- DIPHOSPHOOLIGOSACCHA RIDE--PROTEIN GLYCOSYLTRANSFERASE ALPHA SUBUNIT PRECURSOR (EC 2.4.1.119) (OLIGOSACCHARYL TRANSFERASE ALPHA SUBUNIT) (OLIGOSACCHARYL TRANSFERASE 64 KD SUBUNIT).	swissprot P41543	ND
7672	188.2	CDC-LIKE PROTEIN (FRAGMENT).	sptrembl O08837	ND
7673	186.3	PUTATIVE PROLINE-RICH PROTEIN.	sptrembl Q9ZW08	ND
7674	186.3	HYDROLASE 434 aa, chain A+B	pdb 4CEL	ND
7675	185.9	SPLICING COACTIVATOR SUBUNIT SRM300.	tremblnew AAF21439	ND
7676	184.3	HEAT SHOCK PROTEIN- LIKE PROTEIN.	sptrembl O23323	ND
7677	183.9	PLENTY-OF-PROLINES-101.	sptrembl O70495	ND
7678	183.3	PROLINE-RICH SALIVARY PROTEIN (FRAGMENT).	sptrembl Q62107	ND
7679	181.6	SUGAR TRANSPORTER, PUTATIVE.	tremblnew AAF12486	ND
7680	180.8	KIAA0775 PROTEIN.	sptrembl O94873	ND
7681	179.8	GAMMA GLIADIN (FRAGMENT).	sptrembl Q41602	ND
7682	179.6	HYPOTHETICAL 61.1 KD PROTEIN (FRAGMENT).	tremblnew CAB63715	ND
7683	179.4	NADH-UBIQUINONE OXIDOREDUCTASE 21 KD SUBUNIT (EC 1.6.5.3) (EC 1.6.99.3) (COMPLEX I-21KD) (CI-21KD).	swissprot Q02854	ND
7684	179.2	PROLINE-RICH CELL WALL PROTEIN.	sptrembl Q39763	ND
7685	178.1	Amino acid sequence of a virulence factor encoded by ORF25510.	geneseqp Y29194	ND
7686	176.8	HYPOTHETICAL 47.5 KD PROTEIN IN APE3-APM3 INTERGENIC REGION.	swissprot P38355	ND
7687	176.8	LOW MOLECULAR WEIGHT GLUTENIN (FRAGMENT).	sptrembl Q41550	ND
7688	176.2	HYPOTHETICAL 57.2 KD PROTEIN.	sptrembl O68872	ND
7689	175.9	TIG11.14 PROTEIN.	sptrembl O23024	ND
7690	175.4	GLYCOLIPID ANCHORED SURFACE PROTEIN PRECURSOR	swissprot P22146	ND

		(GLYCOPROTEIN GP115).		
7691	175.1	Bioadhesive precursor protein from cDNA 52.	geneseqp P82971	ND
7692	175.0	PISTIL EXTENSIN-LIKE PROTEIN.	sptrembl Q40385	ND
7693	174.7	PROLINE-RICH PROTEOGLYCAN PRPG2.	sptrembl Q07611	ND
7694	174.7	Antibiotic potentiating peptide #3.	geneseqp W21591	ND
7695	174.7	HOMEBOX PROTEIN MOX-2 (GROWTH ARREST-SPECIFIC HOMEBOX).	swissprot P39020	ND
7696	173.6	REPETIN.	swissprot P97347	ND
7697	172.9	PROTEOPHOSPHOGLYCAN (FRAGMENT).	sptrembl Q9Y075	ND
7698	172.6	Sugar beet chitinase 1.	geneseqp R28150	ND
7699	172.1	FORMYLTETRAHYDROFOLATE DEFORMYLASE (EC 3.5.1.10) (FORMYL-FH(4) HYDROLASE).	swissprot Q46339	ND
7700	171.9	HYPOTHETICAL 23.2 KD PROTEIN.	sptrembl O41979	ND
7701	170.6	CORTICOTROPIN RELEASING HORMONE RECEPTOR TYPE I (FRAGMENT).	sptrembl O77677	ND
7702	170.3	31-KDA PROLINE-RICH SALIVARY PROTEIN, COMPLETE CDS OF CLONE PUMP125.	sptrembl Q62105	ND
7703	169.6	BLUE-COPPER BINDING PROTEIN III.	sptrembl Q96316	ND
7704	169.0	D9461.20P.	sptrembl Q04080	ND
7705	168.8	50KD PROLINE RICH PROTEIN.	sptrembl Q9ZBP2	ND
7706	168.3	FLGA insert stabilising polypeptide.	geneseqp W79128	ND
7707	168.1	VRG53 PROTEIN (FRAGMENT).	sptrembl Q05844	ND
7708	168.0	Mycobacterium species protein sequence 5C.	geneseqp Y04773	ND
7709	167.8	CHAPERONIN HSP78P.	sptrembl O74402	ND
7710	167.0	Microtubule-associated tau protein epitope corresp. to pos. 146-251.	geneseqp R92516	ND
7711	166.2	SPLICING FACTOR SRP54.	sptrembl O61646	ND
7712	166.1	Fragmented human NF-H gene +2 frameshift mutant product.	geneseqp W18663	ND
7713	166.0	Amino acid sequence of Huntington's gene exon 1 in GST-HD fusion protein.	geneseqp W95071	ND
7714	165.8	BIFID PROTEIN (OPTOMOTOR-BLIND PROTEIN).	sptrembl Q26303	ND
7715	165.6	212AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YEG1	ND

7716	164.5	Amino acid sequence of a virulence factor encoded by ORF31784.	geneseqp Y29225	ND
7717	164.4	SIMILAR TO CUTICULAR COLLAGEN.	sptrembl Q19813	ND
7718	164.4	Amino acid sequence of a virulence factor encoded by ORF32832.	geneseqp Y29230	ND
7719	164.2	ZINC-FINGER PROTEIN.	sptrembl O74308	ND
7720	163.9	BAT2.	sptrembl Q9Z1R1	ND
7721	163.7	PAD-1.	sptrembl Q9Y7A8	ND
7722	163.3	TRANSCRIPTION FACTOR BF-2 (BRAIN FACTOR 2) (BF2) (HFK2).	swissprot P55316	ND
7723	163.2	HYPOTHETICAL 27.0 KD PROTEIN.	sptrembl P95286	ND
7724	163.0	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.	swissprot P32323	ND
7725	162.4	Trichoderma reesei endoglucanase.	geneseqp R83401	ND
7726	162.1	T12F5.5 PROTEIN.	sptrembl O44760	ND
7727	162.0	RNA BINDING PROTEIN (FRAGMENT).	tremblnew BAA83717	ND
7728	161.9	TRANSDUCIN-LIKE ENHANCER PROTEIN 4 (GROUCHO-RELATED PROTEIN 4) (FRAGMENT).	swissnew Q62441	ND
7729	161.5	Mycobacterium species protein sequence 14Q#2.	geneseqp Y07202	ND
7730	161.3	SWI/SNF COMPLEX 170 KDA SUBUNIT.	sptrembl Q92923	ND
7731	161.1	HIV Tat protein.	geneseqp Y05097	ND
7732	160.7	HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR.	swissprot P47179	ND
7733	160.6	COMES FROM THIS GENE.	sptrembl O23054	ND
7734	160.6	PYRUVATE DEHYDROGENASE E1 COMPONENT ALPHA SUBUNIT (EC 1.2.4.1) (PYRUVATE DEHYDROGENASE (LIPOAMIDE)) (PYRUVATE DECARBOXYLASE) (PYRUVIC DEHYDROGENASE).	sptrembl O13392	ND
7735	160.6	GLYCINE-RICH PROTEIN.	sptrembl Q43308	ND
7736	160.5	METHYLTRANSFERASE.	sptrembl Q51774	ND
7737	160.4	RHBA.	tremblnew AAF24249	ND
7738	160.3	ULTRA-HIGH SULPHUR KERATIN.	sptrembl Q64526	ND
7739	160.2	PROLYL AMINOPEPTIDASE.	sptrembl P94800	ND

7740	159.9	HOMEBOX PROTEIN GBX-2 (GASTRULATION AND BRAIN-SPECIFIC HOMEBOX PROTEIN 2).	swissprot P52951	ND
7741	159.6	PUTATIVE MEMBRANE PROTEIN.	sptrembl Q9X780	ND
7742	159.4	Human secreted protein encoded by gene 41c lone HSZAF47.	geneseqp Y02690	ND
7743	159.0	Human apolipoprotein E gene +2 frameshift mutant product.	geneseqp W18652	ND
7744	158.6	HYPOTHETICAL 9.0 KD PROTEIN (FRAGMENT).	sptrembl Q9XSS3	ND
7745	158.4	ORF993.	sptrembl P72344	ND
7746	158.2	ORF1B.	sptrembl Q47393	ND
7747	157.7	SMR2 PROTEIN PRECURSOR.	swissprot P18897	ND
7748	157.5	RECOMBINATION PROTEIN RECR.	swissprot P24277	ND
7749	157.3	Human alpha 5 (IV) of type IV collagen.	geneseqp R23873	ND
7750	157.1	PROLINE-RICH PROTEIN.	tremblnew CAB62486	ND
7751	156.5	GAMMA PROTEIN CONSTANT REGION (FRAGMENT).	sptrembl Q23723	ND
7752	156.1	NK-TUMOR RECOGNITION MOLECULE-RELATED PROTEIN.	sptrembl O43273	ND
7753	155.6	SPLICING FACTOR, ARGININE/SERINE-RICH 7 (SPLICING FACTOR 9G8).	swissnew Q16629	ND
7754	154.3	ACETYLCHOLINESTERASE -ASSOCIATED COLLAGEN (FRAGMENT).	sptrembl O35348	ND
7755	153.8	PROBABLE PROTEIN KINASE.	tremblnew CAB55520	ND
7756	153.6	Human high mobility group protein HMGI-C wild type fragment 2.	geneseqp Y21432	ND
7757	153.6	NANBH virus antigenic fragment #12.	geneseqp R50080	ND
7758	153.6	Del-1 epidermal growth factor like domain #2.	geneseqp W94687	ND
7759	153.5	SH3 DOMAIN BINDING PROTEIN.	sptrembl Q62775	ND
7760	153.3	COLLAGEN ALPHA 5(IV) CHAIN (FRAGMENT).	swissprot Q28247	ND
7761	153.0	SALIVARY GLUE PROTEIN SGS-3 PRECURSOR.	swissprot P13729	ND
7762	152.5	MRNA EXPRESSED IN CUCUMBER HYPOCOTYLS, COMPLETE CDS.	sptrembl Q9XIV1	ND
7763	152.4	PROTEOPHOSPHOGLYCAN PRECURSOR (FRAGMENT).	sptrembl Q9Y076	ND
7764	152.3	ARL-6 INTERACTING	sptrembl	ND

		PROTEIN-5 (FRAGMENT).	Q9WUG9	
7765	150.4	HYPOTHETICAL 70.4 KD PROTEIN IN SNZ1-YPK2 INTERGENIC REGION.	swissprot Q03153	ND
7766	150.3	L779.3 PROTEIN.	sptrembl Q9XTP1	ND
7767	150.3	Fragment of human secreted protein encoded by gene 15.	geneseqp Y36459	ND
7768	150.3	HOX1B PROTEIN.	sptrembl O24569	ND
7769	149.8	HYPOTHETICAL 13.9 KD PROTEIN.	tremblnew AAF19661	ND
7770	149.7	Mycobacterium species protein sequence 50B.	geneseqp Y04998	ND
7771	149.6	T06E4.11 PROTEIN.	sptrembl Q22265	ND
7772	148.8	Avian reovirus strain 138 sigma 3 protein.	geneseqp Y06109	ND
7773	148.3	GSC-2.	sptrembl O15499	ND
7774	148.2	CODED FOR BY C. ELEGANS CDNA YK127B8.5.	sptrembl Q20648	ND
7775	147.8	ORF225.	sptrembl Q44479	ND
7776	146.8	WD-40 domain-contg. TUP1 homolog protein.	geneseqp R85879	ND
7777	146.8	EN/SPM-LIKE TRANSPOSON PROTEIN.	tremblnew AAD20682	ND
7778	146.5	PROLINE RICH PROTEIN.	sptrembl O22514	ND
7779	146.4	Secreted protein encoded by gene 6 clone HTSEW17.	geneseqp Y01388	ND
7780	146.3	HOMEBOX PROTEIN GBX-2 (GASTRULATION AND BRAIN-SPECIFIC HOMEBOX PROTEIN 2).	swissprot P52951	ND
7781	145.6	NUCLEOPLASMIN.	swissnew P05221	ND
7782	145.3	TYROSINE-PROTEIN KINASE ACK (EC 2.7.1.112).	sptrembl Q07912	ND
7783	144.9	INTEGRIN BETA-SUBUNIT.	sptrembl Q27874	ND
7784	144.2	SIMILARITY WITH WILMS' TUMOR PROTEIN.	sptrembl Q18233	ND
7785	143.5	F25965_3.	sptrembl O14560	ND
7786	142.5	HYPOTHETICAL 38.0 KD PROTEIN.	sptrembl O06232	ND
7787	142.5	DAN26 PROTEIN, PARTIAL (FRAGMENT).	sptrembl Q99492	ND
7788	142.2	ATTACHMENT REGION BINDING PROTEIN (FRAGMENT).	sptrembl O42403	ND
7789	142.1	S-LAYER RELATED PROTEIN PRECURSOR.	swissprot P35824	ND
7790	141.9	NONSTRUCTURAL POLYPROTEIN (FRAGMENT).	sptrembl Q9WI81	ND
7791	141.9	ATTI.	sptrembl Q9WWD7	ND
7792	141.3	ENDOGLUCANASE IV.	sptrembl O14405	ND
7793	141.1	GAMMA-GLIADIN PRECURSOR (FRAGMENT).	swissprot P08079	ND
7794	140.9	Mycobacterium species protein	geneseqp Y04923	ND

		sequence 36B.		
7795	140.9	VPR.	sptrembl O90320	ND
7796	140.8	NUCLEAR ANTIGEN EBNA-3B.	sptrembl Q69139	ND
7797	140.4	TRANSCRIPTIONAL ACTIVATOR PROTEIN METR.	swissprot P19797	ND
7798	140.4	CALCIUM-DEPENDENT PROTEIN KINASE.	sptrembl O82107	ND
7799	139.1	(HHV-6).	sptrembl Q89893	ND
7800	139.1	HYPOTHETICAL 12.0 KD PROTEIN (FRAGMENT).	sptrembl O43409	ND
7801	138.9	SMAD6 PROTEIN.	tremblnew AAF14343	ND
7802	138.9	ARGININE/SERINE-RICH PROTEIN.	tremblnew AAF19004	ND
7803	138.8	107AA LONG HYPOTHETICAL PROTEIN.	sptrembl Q9YCW7	ND
7804	137.9	Human fibrosarcoma cell line HT-1080 clone HP10034 protein.	geneseqp W64540	ND
7805	137.9	Extracellular domain of mouse syndecan-3 protein.	geneseqp R66810	ND
7806	137.8	SIMILAR TO FURIN-LIKE PROTEASES.	sptrembl Q93015	ND
7807	137.7	PROTEASOME COMPONENT SUN4.	swissprot P53616	ND
7808	137.6	HYPOTHETICAL 26.9 KD PROTEIN.	tremblnew AAF10289	ND
7809	137.2	HYPOTHETICAL 22.1 KD PROTEIN.	sptrembl P94570	ND
7810	137.1	WINGLESS (FRAGMENT).	tremblnew AAD50945	ND

Example 15: DNA Microarrays

Details of the construction of a typical microarrayer can be found on the world wide web site of Professor Patrick Brown of Stanford University at the following URL:

- 5 <http://cmgm.stanford.edu/pbrown/mguide/index.html>. Scanners and computer software for analysis of DNA microarrays are available from several commercial sources such as General Scanning Inc. (Watertown, MA; see http://www.genscan.com/sales/loc_lifesci.html), or Axon Instruments (Foster City, CA; see <http://www.axon.com>).

- 10 Individual fungal EST clones were purified as plasmid minipreps using Qiagen Biorobot 9600 (QIAGEN, Inc., Valencia, CA). The plasmid minipreps were precipitated with isopropanol, aliquoted and stored as described on the web site of Professor Patrick Brown of Stanford University at the following URL: <http://cmgm.stanford.edu/pbrown/mguide/index.html>.

The amplified EST targets prepared in this manner were spotted individually onto polylysine-coated glass slides using a microarrayer device as described by DeRisi *et al.* (1997, *Science* 278: 680-686). For additional details, see <http://cmgm.stanford.edu/pbrown/protocols/index.html>). The microarrays were probed with fluorescently labeled cDNA prepared by reverse transcription of polyadenylated mRNA (DeRisi *et al.*, 1997, *supra*) extracted from fungal mycelia (Example 2). Conditions for pretreatment of the microarrays, hybridization and washing conditions have been described previously (DeRisi *et al.*, 1997, *supra*; see also <http://cmgm.stanford.edu/pbrown/protocols/index.html>).

To increase the reliability with which changes in expression levels could be discerned, probes prepared from induced or treated cells were labeled with the red fluorescent dye, Cy5 (Amersham Corporation, Arlington Heights, IL), and mixed with probes from uninduced, untreated, or "reference" cells were labeled with a green fluorescent dye, Cy3 (Amersham Corporation, Arlington Heights, IL) using the procedure described by <http://cmgm.stanford.edu/pbrown/protocols/index.html>. The relative ratio of fluorescence intensity measured for the Cy3 and Cy5 fluorophors corresponding to each EST target in the arrays was determined using ScanAlyze software, available free of charge at <http://rama.stanford.edu/software/>. This provides a reliable measure of the relative abundance of the corresponding mRNA in the two cell populations (*e.g.*, treated cells versus reference cells).

Example 16: Monitoring multiple changes in expression of *Fusarium venenatum* genes

DNA microarrays were prepared as described in the preceding example by spotting 1152 selected EST clones from *Fusarium venenatum* as targets. In one experiment we compared the relative expression of each of these genes (as measured by transcript abundance) among cells grown in medium with glucose as the sole carbon source to the same strain grown with maltose as the sole carbon source. Identical shake flasks were inoculated with *Fusarium venenatum* strain CC1-3 growing in Vogel's minimal medium with either 2% glucose or 2% maltose as the sole carbon source. After 2 days growth at 28°C, total RNA and mRNA pools were purified from each culture using methods described in the previous examples. One microgram of polyA-selected mRNA was used as a template to prepare fluorescently labeled probes for hybridization (the protocol for fluorescent probe labeling is

available at <http://cmgm.stanford.edu/protocols/index.html>). In this experiment, the probe from glucose-grown cells was labeled with Cy3 and the probe from maltose-grown cells was labeled with Cy5. The probes were combined and hybridized with the 1152 EST targets on the microarray. Methods for hybridization and washing of microarrays are also available at <http://cmgm.stanford.edu/protocols/index.html>. After hybridization and washing, the microarrays were scanned (see Example 15), and the images analyzed using ScanAlyze software (see Example 15) to determine the relative ratios of red and green fluorescence in each spot on the arrays. The tab-delimited text file generated by ScanAlyze can be imported into other software programs that are capable of sorting large amounts of data in spreadsheet formats (e.g., Microsoft Excel). In such a format, it is straightforward to sort the data on the basis of relative fluorescence ratios (red intensity/green intensity = RAT2 value) or perform other statistical analyses. For example, in this experiment it was desirable to specifically identify those genes whose expression (a) increased by a factor of approximately two, (b) remained the same, or (c) decreased by a factor of approximately two in response to the presence of maltose as a sole carbon source. A number of genes satisfying these criteria were readily identified as shown in Table 5. The quality of the data is ensured by choosing only spots in which the correlation coefficients are at least 0.75 or greater.

Table 5

<u>Seq ID No.</u>	<u>RAT2.exp1</u>	<u>RAT2.exp2</u>	<u>AVG RAT2</u>	<u>Std Error</u>
1902	3.84631093	1.90100237	2.87365665	0.97265428
170	1.43757588	3.08897138	2.26327363	0.82569775
1590	1.34067691	2.90504405	2.12286048	0.78218357
2342	2.48104772	1.74101079	2.11102925	0.37001846
2887	2.15781008	2.04587664	2.10184336	0.05596672
1290	2.18673515	2.00682358	2.09677936	0.08995579
1849	1.60461815	2.58254133	2.09357974	0.48896159
2718	1.07601253	1.13379863	1.10490558	0.02889305
2875	1.04636434	1.13480645	1.0905854	0.04422106
115	1.08685943	1.07748663	1.08217303	0.0046864
115	1.08252067	1.06766038	1.07509053	0.00743015
1453	1.09264445	1.0495196	1.07108202	0.02156242
1677	1.07456628	1.05581848	1.06519238	0.0093739
608	1.00586924	1.10205227	1.05396076	0.04809151
33	1.1157845	0.98879838	1.05229144	0.06349306
2768	1.08902881	0.9954752	1.04225201	0.04677681
336	1.08107442	0.97569671	1.02838557	0.05268885
1855	1.06155	0.99446738	1.02800869	0.03354131
1469	1.04708747	1.00026235	1.02367491	0.02341256
2951	0.46005321	0.6007873	0.55655	0.0084234
71	0.44219198	0.53023983	0.4862159	0.04402392
521	0.23356992	0.76644788	0.4657	0.18741504

The invention described and claimed herein is not to be limited in scope by the

specific embodiments herein disclosed, since these embodiments are intended as illustrations of several aspects of the invention. Any equivalent embodiments are intended to be within the scope of this invention. Indeed, various modifications of the invention in addition to those shown and described herein will become apparent to those skilled in the art from the foregoing description. Such modifications are also intended to fall within the scope of the appended claims. In the case of conflict, the present disclosure including definitions will control.

Various references are cited herein, the disclosures of which are incorporated by reference in their entireties.

Claims

What is claimed is:

- 5 1. A method for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells, comprising:
 - (a) adding a mixture of fluorescence-labeled nucleic acids isolated from the filamentous fungal cells to a substrate containing an array of filamentous fungal ESTs under
10 conditions where the nucleic acids hybridize to complementary sequences of the ESTs in the array, wherein the nucleic acids from the first filamentous fungal cell and the one or more second filamentous fungal cells are labeled with a first fluorescent reporter and one or more different second fluorescent reporters, respectively; and
 - (b) examining the array by fluorescence under fluorescence excitation conditions
15 wherein the relative expression of the genes in the filamentous fungal cells is determined by the observed fluorescence emission color of each spot in the array in which (i) the ESTs in the array that hybridize to the nucleic acids obtained from either the first or the one or more second filamentous fungal cells produce a distinct first fluorescence emission color or one or more second fluorescence emission colors, respectively, and (ii) the ESTs in the array that
20 hybridize to the nucleic acids obtained from both the first and one or more second filamentous fungal cells produce a distinct combined fluorescence emission color.
2. The method of claim 1, wherein the filamentous fungal ESTs are selected from the group consisting of *Acremonium*, *Aspergillus*, *Fusarium*, *Humicola*, *Mucor*, *Myceliophthora*,
25 *Neurospora*, *Penicillium*, *Thielavia*, *Tolypocladium*, and *Trichoderma* ESTs.
3. The method of claim 2, wherein the filamentous fungal ESTs are *Fusarium* ESTs.
4. The method of claim 3, wherein the filamentous fungal ESTs are *Fusarium*
30 *venenatum* ESTs.
5. The method of claim 4, wherein the *Fusarium venenatum* ESTs are selected from the group consisting of SEQ ID NOs. 1-3770, nucleic acid fragments of SEQ ID NOs. 1-3770, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 1-3770.

6. The method of claim 5, wherein the *Fusarium venenatum* ESTs are SEQ ID NOs. 1-3770.

5 7. The method of claim 5, wherein the *Fusarium venenatum* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 1-3770.

8. The method of claim 7, wherein the *Fusarium venenatum* ESTs are nucleic acid sequences having at least 95% homology to SEQ ID NOs. 1-3770.

10

9. The method of claim 8, wherein the *Fusarium venenatum* ESTs are nucleic acid sequences having at least 99% homology to SEQ ID NOs. 1-3770.

15

10. The method of claim 9, wherein the *Fusarium venenatum* ESTs are nucleic acid sequences having at least 99.9% homology to SEQ ID NOs. 1-3770.

11. The method of claim 2, wherein the filamentous fungal ESTs are *Aspergillus* ESTs.

12. The method of claim 11, wherein the *Aspergillus* ESTs are *Aspergillus niger* ESTs.

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13. The method of claim 12, wherein the *Aspergillus niger* ESTs are selected from the group consisting of SEQ ID NOs. 3771-4376, nucleic acid fragments of SEQ ID NOs. 3771-4376, and nucleic acid sequences having at least 90%, preferably at least 95%, more preferably at least 99%, and most preferably at least 99.9% homology to SEQ ID NOs. 3771-4376.

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14. The method of claim 13, wherein the *Aspergillus niger* ESTs are SEQ ID NOs. 3771-4376.

30 15. The method of claim 13, wherein the *Aspergillus niger* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 3771-4376.

16. The method of claim 15, wherein the *Aspergillus niger* ESTs are nucleic acid sequences having at least 95% homology to SEQ ID NOs. 3771-4376.

17. The method of claim 16, wherein the *Aspergillus niger* ESTs are nucleic acid sequences having at least 99% homology to SEQ ID NOs. 3771-4376.

5 18. The method of claim 17, wherein the *Aspergillus niger* ESTs are nucleic acid sequences having at least 99.9% homology to SEQ ID NOs. 3771-4376.

19. The method of claim 11, wherein the *Aspergillus* ESTs are *Aspergillus oryzae* ESTs.

10 20. The method of claim 19, wherein the *Aspergillus oryzae* ESTs are selected from the group consisting of SEQ ID NOs. 4377-7401, nucleic acid fragments of SEQ ID NOs. 4377-7401, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 4377-7401.

15 21. The method of claim 20, wherein the *Aspergillus oryzae* ESTs are SEQ ID NOs. 4377-7401.

22. The method of claim 20, wherein the *Aspergillus oryzae* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 4377-7401.

20 23. The method of claim 22, wherein the *Aspergillus oryzae* ESTs are nucleic acid sequences having at least 95% homology to SEQ ID NOs. 4377-7401.

24. The method of claim 23, wherein the *Aspergillus oryzae* ESTs are nucleic acid sequences having at least 99% homology to SEQ ID NOs. 4377-7401.

25 25. The method of claim 24, wherein the *Aspergillus oryzae* ESTs are nucleic acid sequences having at least 99.9% homology to SEQ ID NOs. 4377-7401.

26. The method of claim 2, wherein the filamentous fungal ESTs are *Trichoderma* ESTs.

30 27. The method of claim 26, wherein the filamentous fungal ESTs are *Trichoderma reesei* ESTs.

28. The method of claim 27, wherein the *Trichoderma reesei* ESTs are selected from

the group consisting of SEQ ID NOs. 7402-7860, nucleic acid fragments of SEQ ID NOs. 7402-7860, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 7402-7860.

29. The method of claim 28, wherein the *Trichoderma reesei* ESTs are SEQ ID NOs. 7402-7860.

30. The method of claim 28, wherein the *Trichoderma reesei* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 7402-7860.

31. The method of claim 30, wherein the *Trichoderma reesei* ESTs are nucleic acid sequences having at least 95% homology to SEQ ID NOs. 7402-7860.

32. The method of claim 31, wherein the *Trichoderma reesei* ESTs are nucleic acid sequences having at least 99% homology to SEQ ID NOs. 7402-7860.

33. The method of claim 32, wherein the *Trichoderma reesei* ESTs are nucleic acid sequences having at least 99.9% homology to SEQ ID NOs. 7402-7860.

34. The method of any of claims 1-33, wherein one or more of filamentous fungal cells are selected from the group consisting of an *Acremonium*, *Aspergillus*, *Fusarium*, *Humicola*, *Mucor*, *Myceliophthora*, *Neurospora*, *Penicillium*, *Thielavia*, *Tolypocladium*, and *Trichoderma* cell.

35. The method of any of claims 1-34, wherein the two or more filamentous fungal cells are the same cell.

36. The method of any of claims 1-35, wherein the two or more filamentous fungal cells are *Fusarium venenatum* cells.

37. The method of any of claims 1-35, wherein the two or more filamentous fungal cells are *Aspergillus niger* cells.

38. The method of any of claims 1-35, wherein the two or more filamentous fungal cells

are *Aspergillus oryzae* cells.

39. The method of any of claims 1-34, wherein the two or more filamentous fungal cells are different cells.

40. The method of any of claims 1-39, wherein the hybridization conditions are selected from the group consisting of very low, low, low-medium, medium, medium-high, high, and very high stringency conditions.

41. A computer readable medium having recorded thereon an array of filamentous fungal ESTs for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells.

42. The computer readable medium of claim 41, wherein the filamentous fungal ESTs are selected from the group consisting of *Acremonium*, *Aspergillus*, *Fusarium*, *Humicola*, *Mucor*, *Myceliophthora*, *Neurospora*, *Penicillium*, *Thielavia*, *Tolypocladium*, and *Trichoderma* ESTs.

43. The computer readable medium of claim 42, wherein the filamentous fungal ESTs are *Fusarium* ESTs.

44. The computer readable medium of claim 43, wherein the filamentous fungal ESTs are *Fusarium venenatum* ESTs.

45. The computer readable medium of claim 44, wherein the *Fusarium venenatum* ESTs are selected from the group consisting of SEQ ID NOs. 1-3770, nucleic acid fragments of SEQ ID NOs. 1-3770, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 1-3770.

46. The computer readable medium of claim 45, wherein the *Fusarium venenatum* ESTs are SEQ ID NOs. 1-3770.

47. The computer readable medium of claim 45, wherein the *Fusarium venenatum* ESTs

are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 1-3770.

48. The computer readable medium of claim 42, wherein the filamentous fungal ESTs are *Aspergillus* ESTs.

49. The computer readable medium of claim 48, wherein the *Aspergillus* ESTs are *Aspergillus niger* ESTs.

50. The computer readable medium of claim 49, wherein the *Aspergillus niger* ESTs are selected from the group consisting of SEQ ID NOs. 3771-4376, nucleic acid fragments of SEQ ID NOs. 3771-4376, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 3771-4376.

51. The computer readable medium of claim 50, wherein the *Aspergillus niger* ESTs are SEQ ID NOs. 3771-4376

52. The computer readable medium of claim 50, wherein the *Aspergillus niger* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 3771-4376.

53. The computer readable medium of claim 48, wherein the *Aspergillus* ESTs are *Aspergillus oryzae* ESTs.

54. The computer readable medium of claim 53, wherein the *Aspergillus oryzae* ESTs are selected from the group consisting of SEQ ID NOs. 4377-7401, nucleic acid fragments of SEQ ID NOs. 4377-7401, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 4377-7401.

55. The computer readable medium of claim 54, wherein the *Aspergillus niger* ESTs are SEQ ID NOs. 4377-7401.

56. The computer readable medium of claim 54, wherein the *Aspergillus oryzae* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 4377-7401.

57. The computer readable medium of claim 42, wherein the filamentous fungal ESTs are

Trichoderma ESTs.

58. The computer readable medium of claim 57, wherein the filamentous fungal ESTs are *Trichoderma reesei* ESTs.

59. The computer readable medium of claim 58, wherein the *Trichoderma reesei* ESTs are selected from the group consisting of SEQ ID NOs. 7402-7860, nucleic acid fragments of SEQ ID NOs. 7402-7860, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 7402-7860.

60. The computer readable medium of claim 59, wherein the *Trichoderma reesei* ESTs are SEQ ID NOs. 7402-7860.

61. The computer readable medium of claim 59, wherein the *Trichoderma reesei* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 7402-7860.

62. The computer readable medium of any of claims 41-61, wherein the medium is selected from the group consisting of a floppy disk, a hard disk, random access memory (RAM), read only memory (ROM), and CD-ROM.

63. A computer-based system for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells comprising the following elements:

(a) a data storage means comprising filamentous fungal ESTs selected from the group consisting of SEQ ID NOs. 1-7860, nucleic acid fragments of SEQ ID NOs. 1-7860, and nucleic acid sequences having at least 90% homology to the sequences of SEQ ID NOs. 1-7860;

(b) a search means for comparing a target sequence to a filamentous fungal EST sequence of the data storage means of step (a) to identify homologous sequences; and

(c) a retrieval means for obtaining the homologous sequence(s) of step (b).

64. A substrate comprising an array of filamentous fungal ESTs for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to

expression of the same genes in one or more second filamentous fungal cells.

65. The substrate of claim 64, wherein the filamentous fungal ESTs are selected from the group consisting of *Acremonium*, *Aspergillus*, *Fusarium*, *Humicola*, *Mucor*, *Myceliophthora*,
5 *Neurospora*, *Penicillium*, *Thielavia*, *Tolypocladium*, and *Trichoderma* ESTs.

66. The substrate of claim 65, wherein the filamentous fungal ESTs are *Fusarium* ESTs.

67. The substrate of claim 66, wherein the filamentous fungal ESTs are *Fusarium*
10 *venenatum* ESTs.

68. The substrate of claim 67, wherein the *Fusarium venenatum* ESTs are selected from the group consisting of SEQ ID NOs. 1-3770, nucleic acid fragments of SEQ ID NOs. 1-3770, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 1-3770.

69. The substrate of claim 68, wherein the *Fusarium venenatum* ESTs are SEQ ID NOs. 1-3770.

70. The substrate of claim 68, wherein the *Fusarium venenatum* ESTs are nucleic acid
20 sequences having at least 90% homology to SEQ ID NOs. 1-3770.

71. The substrate of claim 65, wherein the filamentous fungal ESTs are *Aspergillus* ESTs.

72. The substrate of claim 71, wherein the *Aspergillus* ESTs are *Aspergillus niger* ESTs.

73. The substrate of claim 72, wherein the *Aspergillus niger* ESTs are selected from the group consisting of SEQ ID NOs. 3771-4376, nucleic acid fragments of SEQ ID NOs. 3771-4376, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 3771-4376.

74. The substrate of claim 73, wherein the *Aspergillus niger* ESTs are SEQ ID NOs. 3771-4376
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75. The substrate of claim 73, wherein the *Aspergillus niger* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 3771-4376.

76. The substrate of claim 71, wherein the *Aspergillus* ESTs are *Aspergillus oryzae* ESTs.

77. The substrate of claim 76, wherein the *Aspergillus oryzae* ESTs are selected from the group consisting of SEQ ID NOs. 4377-7401, nucleic acid fragments of SEQ ID NOs. 4377-7401, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 4377-7401.

78. The substrate of claim 77, wherein the *Aspergillus niger* ESTs are SEQ ID NOs. 4377-7401.

79. The substrate of claim 77, wherein the *Aspergillus oryzae* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 4377-7401.

80. The substrate of claim 65, wherein the filamentous fungal ESTs are *Trichoderma* ESTs.

81. The substrate of claim 80, wherein the filamentous fungal ESTs are *Trichoderma reesei* ESTs.

82. The substrate of claim 81, wherein the *Trichoderma reesei* ESTs are selected from the group consisting of SEQ ID NOs. 7402-7860, nucleic acid fragments of SEQ ID NOs. 7402-7860, and nucleic acid sequences having at least 90% homology to SEQ ID NOs. 7402-7860.

83. The substrate of claim 82, wherein the *Trichoderma reesei* ESTs are SEQ ID NOs. 7402-7860.

84. The substrate of claim 82, wherein the *Trichoderma reesei* ESTs are nucleic acid sequences having at least 90% homology to SEQ ID NOs. 7402-7860.

85. An isolated nucleic acid sequence comprising any of SEQ ID NOs. 1-7860.

86. The nucleic acid sequence of claim 85, wherein SEQ ID NOs. 1-3770 are obtained from *Fusarium venenatum*.

87. The nucleic acid sequence of claim 85, wherein SEQ ID NOs. 3771-4376 are obtained from *Aspergillus niger*.

5 88. The nucleic acid sequence of claim 85, wherein SEQ ID NOs. 4377-7401 are obtained from *Aspergillus oryzae*.

89. The nucleic acid sequence of claim 85, wherein SEQ ID NOs. 7402-7860 are obtained from *Trichoderma reesei*.

10

Abstract

The present invention relates to methods for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells using microarrays containing filamentous fungal expressed sequenced tags. The present invention also relates to filamentous fungal expressed sequenced tags and to computer readable media and substrates containing such expressed sequenced tags for monitoring expression of a plurality of genes in filamentous fungal cells.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Methods For Monitoring Multiple Gene Expression

the specification of which (check only one item below):

☐ is attached hereto

☒ was filed as United States application

Application No. to be assigned

on March 22, 2000

and was amended

on _____

☐ was filed as PCT international application

Number _____

on _____

and was amended under PCT Article 19

on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim priority benefits under Title 35, United States Code, §119 of any provisional or foreign applications(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign applications(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

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5849.200-US

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this applications is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

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U.S. APPLICATIONS		STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	Patented	Pending	Abandoned
09/273,623	March 22, 1999		X	
PCT APPLICATIONS DESIGNATING THE U.S.				
APPLICATION NO.	FILING DATE	US SERIAL NUMBERS ASSIGNED (if any)		

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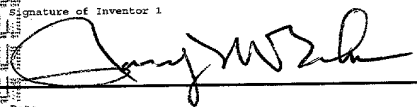

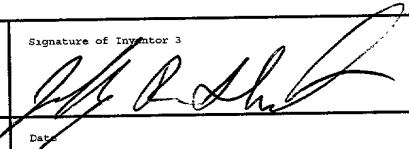
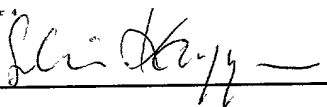

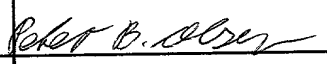
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5	Full Name of Inventor	Family Name Clausen	First Given Name Ib	Second Given Name Groth
	Residence & Citizenship	City DK-3400 Hillerød	State or Foreign Country Denmark	Country of Citizenship Denmark
	Post Office Address	Post Office Address Fyrrestien 6	City DK-3400 Hillerød	State & Zip Code/Country Denmark
6	Full Name of Inventor	Family Name Olsen	First Given Name Peter	Second Given Name Bjarke
	Residence & Citizenship	City 2100 Copenhagen	State or Foreign Country Denmark	Country of Citizenship Denmark
	Post Office Address	Post Office Address Svendborggade 8, 4tv	City 2100 Copenhagen	State & Zip Code/Country Denmark

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 	Signature of Inventor 2 	Signature of Inventor 3 
Date Mar 20, 2000	Date Mar. 20, 2000	Date March 21, 2000
Signature of Inventor 4 	Signature of Inventor 5 	Signature of Inventor 6 
Date 14-03-2000	Date 14-03-2000	Date 14-03-2000

SEQUENCE LISTING

<110> Randy M. Berka
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<120> Methods For Monitoring Multiple Gene
Expression

<130> 5849.200-US

<140> To Be Assigned

<141> 2000-03-22

<150> 09/273,623

<151> 1999-03-22

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<213> *Fusarium venenatum*

<220>

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<223> n = A,T,C or G

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 <223> n = A,T,C or G

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aactatttcg	tcaagaacgg	ttctgatcct	tgtcccaagg	gcgagaacct	tgctgagtgg	720
atgctcgagg	tcattgggtg	ggcacctggg	tcccatactg	aaatcgactg	gcatcagaca	780
tggcgcgaaa	gctctgagta	tcaagatggt	cagactgagc	ttcagcgtct	caaggcagag	840
ggtaatgcga	atgggtgctg	ggagagtcac	gatgctgaat	cctatcgcg	gtttgctgcg	900
cccttcggcg	aacaagcttc	gtatcgctac	tacccggtgt	ttccagcagt	actggcgcac	960
cccacgttac	atctactcca	aggatgctct	gtgtattcag	gttggattgt	gcatcgggtc	1020
tggcatcctc	aaagcccctc	cgagtccttc	caagcttgca	gaaccaaagt	tttgccatct	1080
tcaacgtgct	cgaccagtct	ttggtcaact	ggtgcagatg	cagtccatgc	ctcaattcgt	1140
cattcaacgt	tctctgtatg	aagtcgcgca	gcgtccttca	aaggtttact	cgtggaagat	1200
ctttatgctg	tcgcaactca	tcgtcgagct	tccttggaaac	agtctaattg	ctgtcatcat	1260
gttctgtgca	tggtactatc	ctgtcggtct	ttaccanaac	gcttctgacg	ccggtcaaac	1320
caccgagcgt	ggcgccctca	tggtcctctt	tctattggcc	ttcctactct	tcaaagctac	1380
tttctcaacc	atgatcatcg	ntggattcca	aactgccgag	ggtggaccaa	cgttgcgaac	1440
ctgggtggta	tgctttgctg	acttntgggg	ngtcctcccc	ccaaggatct	ctccccggnt	1500
tntggacttt	atnaatacgt	atcgccatta	cttattagng	gnngcatggt	acacangagt	1560
cncaacacaa	acgtacatgt	gccgaaataa	atngtgccgt	aaccnccaaa	ggtttnnttg	1620
gcaaaaacat	ggaa					1634

<210> 7
 <211> 1481
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1481)
 <223> n = A,T,C or G

<210> 9
 <211> 2197
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2197)
 <223> n = A,T,C or G

<400> 9
 aggggaatgg gccnttaaan gangctcgaa cggcgncaga aaaatnttaa natatagnng 60
 tttttttttt taaaagtcca aatacaatcg attattaagc tctaacgggt tatcctttac 120
 acgcagttac cgcccccatg aaaagcaatt tgtgcctcat gaagaatgac caagcacaag 180
 atgtcgtaaa gaaaagtcag gaaacatgat gacgacagag aacgacgcct ttaaagagaa 240
 aagctagtag tcttgcccca tctatgttta gaagatctga gcgagggcag caacaccagc 300
 gagggcgagg acagcccatgt tgatgctgac actgcccggc gcgctgtcgt cgtcctcgtt 360
 actttgggaa gaaccagagc catcgctctc ctaccgcgcg tcaccaccct cgttggcctt 420
 cttgttggtg aaagtgcagc tctccttgcc gtcaatcttg ccatcgctct tcaggctcgtc 480
 aaagtatttg cagaactcct caatatcggt agttgatgaa acgacgacac tgccgctgac 540
 ttggtcgagc ttggggagtt tgaccttctc gaagctacca cggagagcaa caccaccggt 600
 aaccttctcc agcttgggga agtcgtcaat ggccagaagc ttggtgttgt tctggatagt 660
 gaaaccacca ccaatctcct cgagtagagg gaaagagata ttggtgagct tcttcatgtc 720
 aatgagagag agggtttcct cgatgatagt cagggttgggg gcgctgaaga actcaagcga 780
 ggggttggcg ctcagcttca agctcttggg gacctccttg agaaggggaa ctgagaagtt 840
 cttggcgcta gagatctgaa tctcagcagc caactcaagc ttgtccatga tgatctccat 900
 agcatcgttg ccgttgtcga agatcttgag ctccggaggtg atgttgacga ggtcagatcg 960
 gaaagcgttc atttttcggt tgttgtcgat ctggaagctc tcgacgggtg caacgctaag 1020
 accgctcagg tcgctgatga aggtatcggt aattcgaatg ctcttgatct tagtgacacc 1080
 ttcggtaccg aagttcagct ctccgagacg aggaagcttg atgaagctga ggcgctaag 1140
 gctcttgagg gtggagaact cgaggttgct gagagcctcg aggttctcaa gctggaagtt 1200
 gccatcgata gactcaatag aagtactgga gatagagatg atgtcgccac cgttcttggc 1260
 aacgaagtta ccctcgatct gctcggggcc gttgataaca acagcgcccg cgaccttctt 1320
 ttcgatgatg atgtctccct tgacaactgt gcagtcgatt gtgggggtgg gctcggtaac 1380
 cttgacgtcg ctggtgcagg tagcggcgga gaccgcagag acaccgagtg ccgcaatggc 1440
 ggaaagaacc ttaacggaat gcattatgac ctagtgtgta attggaaagg atcctgtgat 1500
 tgattttgtg gatggtgttt gtttaagaaa aaaaaacttg atggtttctc ggcgaacgat 1560
 ggagatatgc aacaggaat agtatagatt gatattcctg gaattaggtg taaaaagtct 1620
 ggcgtatgga cgaaaagtca caatgaagcc tgacaggaaa cgagtggcgt gaagagaaaa 1680
 agggacgaga atattaccaa caatgagagg aagtcaatca caggatcctt tccaattaca 1740
 aactaggtca taatgcattc cgtaaagggt ctttccgcca ttgcggcact cgggtgtctc 1800
 gcggtctccg ccgctacctg caccagcgac gtcaagggtta ccgagccac cccacaatc 1860
 gactgcacag ttgtcaaggg agacatcatc atcgacaaga aggtcgccgg cgctgttgtt 1920
 atcaacggcc ccgagcagat cgagggtaac ttcgttgcca anaacggngg cgacatcatc 1980
 tctatctcca gtacttntat tgagtctatc gatggcaact tccagcttga gaacctngag 2040
 gctctaacia cctcgagttc tcccccttaa aagccttacg gcctcagctt nattaaactt 2100
 tctcgtctng ganagctgaa cttcgnaccg aagnggcact taaanacaaga gctttcgaat 2160
 taccgatcct ttattaacga cctgggcggt nttagcgt 2197

<210> 10
 <211> 1086
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1086)
 <223> n = A,T,C or G

```

<400> 10
caagaccatc gctgtcataa acgccagcgg gcgacaggct gcgtctttca ttcgcgtcgc      60
caccgctggt gggtaccatg ttctgtgtca gttgagaaaa tctggacgcg tgatcgcttc      120
tgaaagtctc cgcgaaatcc caatgntgac cgttcttgtt ggggtgaaact gtacacgagg      180
caccagccct ctgaaagcaa accgcgatgt caccaagcat ggccctctga ctgggtgtcgg      240
agtcaactac gacctgatcg ccaactcttt ccgcggagct caactcgcct tcatcaaacac      300
cactttttac ggcgacgaga tgccattgga aaagcccttg ccgatgccgc caagcgcgcc      360
ggnaatccag cactatgtct actcatcgat gcccgaccat gctgcctatg ataccaagtn      420
ggccctcgct gcctcttttg gccgccaagc atgaagtcca gcagtatgtg cgcaaaattg      480
agaatgccct gccactttgt nttacactgg gcattttaca caacaacttc acctctcttc      540
aataccccct cttctgtatg gagnttgcag aaggacggct ccttttagatg gcaagcgcct      600
ttccatcctg atgccaagct accttggcta gatgctgagc acgacgtcgg tcctgcagtt      660
ctccaaattt tcaaggacgg ccctgccaaag tggaaaggag agcgtatcgc acttgcatac      720
gagtacttga ccccaaagga ggtgtgtcgc cttttctcca agggagtgtg tcgtcctgtg      780
cgctatgttc atgggcccac cgaggtgaan gtccgcaccc cagaangtta ccgcgaacag      840
ctcgtggctc ttgagcaact ctacgacccc aaccgaaagg atcctagaaa gcagccgcct      900
tacttcgagc atccaaaggc tgaactaagc tgcccaagcg aactctggaa ctatgggaag      960
gtccccgaagc attgaanant acccaggagg atgttttcta tagaagaaga accaacggnc     1020
tgacatggat gttggaagat gaatccagcg acaacaaaga agtgcaacac cagcacactc     1080
ggtcga                                           1086

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```

<210> 11
<211> 1463
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(1463)
<223> n = A,T,C or G

```

```

<400> 11
cgccgagctt ctgcccgaga agattgagca ggtcaaggcc ctccgaaagg agcatgggttc      60
caaggttatt gacaaggcca ctcttgacca ggtctacggg ggtgcccgtg gcatcaaggc      120
cctcgtttgg gagggttccg tctcgcactc tgaggagggt atccgattcc gtggcaagac      180
catccccgag tgccaggagc ttctcccaa ggctcccggg ggcaaggagc cccttcctga      240
gggtctcttc tggcttctcc tgaccggtga ggtccctact gagcagcagg tccgcgacct      300
ctccgctgag tgggctgccc gctccgatct ccccaagttc gtcgaggagc tcatcgacca      360
ctgcctaccg acctccaccc catggctcag ttctcctggc cgttactgct ctcgagcaca      420
cctccagctt cgccaaggcc tacgccaagg gtatcaacaa gaaggagtac tgggggtaca      480
cctttgagga ctccatggac ctcatgtcta agctcccaa catcgcttct cgtatctacc      540
anaacgtctt caagggcgga aaggttgctc ccacccagaa ggacaaggat tactccttca      600
acttcgccaa ccagcttggc ttccgcgaca acgcccactt cgtcgagctc atgcgtcttt      660
acctgacctt ccacaccgac cacgagggtg gcaacgtttc tgcccatacc actcaccttg      720
teggctctgc tctcagctcc cccttcctct ctctcgccgc tgggtcttaac ggtcttgccg      780
gtccccctcca cggctcttgc aaccaggagg tccttaactg gctcaccgag ttcaagaagt      840
ctgtttggcga tgaccttagc gacaaggcca tcaactgacta cctctggtcc acctcaacg      900
ccggccgtgt cgtccccggt tacggtcacg ccgttctccg aaagaccgac ccccgttaca      960
tggtctcagc cactttcgct caagagaaga tgcccaacga ccccatgttc aagctcgtct     1020
ctcaggtcta caagatcgcc cctggtgtcc tcaccgagca cggcaagacc aagaaccctt     1080
accccaacgt tgacgcccac tccggtgtcc tcctccagta ctacggtctc actgaggcta     1140
actactacac cgtcctcttc ggtgtctctc gtgccattgg tgtccttccc cagctcatca     1200
ttgaccgcgc tctcgggtgcc cccatcgagc gacccaagtc tttctcactg acaagtgggc     1260
tgagctcgtc aaagaactgt naacgattta gaagcaaaag ggaaaaagaa ngtgatggga     1320
ngggctctgcc naagaaatgg acagaatgga tgccgagtca atggcatttg tacaacacaa     1380
tgggactggg ttaagttaat aatgacaaat cgtcgttgac gccgattgga atgaaatgat     1440
ttgnacagtt aatctgcaat ttt                                           1463

```

```

<210> 12
<211> 1384

```

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1384)
<223> n = A,T,C or G

<400> 12
ctcaaaccac acagcccgcc caagatgagt cacagaaagt acgaggctcc cagacatggc 60
tccctggctt acctgccgcg caagcgggct gccagacatc gtggaaagggt caagtctttc 120
cccaaggacg accccaagaa gcccggtccac ctgactgccg ccatgggtta caaggccggt 180
atgaccacca tcgtccgcga cctcgatcga cctggcgcgga aggccaaaca gaaggaagtc 240
gttgaggctg tttcaatcgt tgatactcca cctatgatcg ttgttgggtc ggttggctac 300
atcgagactc cccgaggcct gcgatccctc accaccgttt gggctgagca tctgagcgac 360
gagctcaagc gccgattcta caagaactgg tacaagtcca agaagaaggc tttcaccaag 420
tacgccaaga agcactccga gaacagcggg gcttccatca cccgcgagct tgagcgcatc 480
aagaagtact gcaccgtcgt ccgtgtcctc gccacacccc agatccgaaa gactcctctc 540
aagcagaaga aggtcacct gatggagatc caagtcaacg gcggctctat cgccgacaag 600
gtttccttcg gccaggagct cttcgagaag cccgtcgatg tctccagcat cttcgagcag 660
gacgagatga ttgacgtcat tgccgtcacc aagggtcatg gtttcgaagg tgtcactgcc 720
cgttggggca ccaagaagct tcctcgcaag actcacaagg gtctccgaaa ggtcgcttgt 780
atcgggtgctt ggcacccctc ccacgtccag tggactgttg cccgtgccgg tcagagagggt 840
taccaccacc gaacctcggg taaccacaag atctaccgca ttggtaagggt tgacgctgac 900
gacaacgccg ccactgagat cgatgtcacc aanaaaacca ttacacctct tgggtggttc 960
gtccgctacn gtgagatcaa naacgacttc ntcatgggtca agggctctat ccctggtaca 1020
agaagcgtgt catgacctcc gaaagaccat gttccccag acctcccgaa aggccctcga 1080
gaaggctcagc ctcaagtggg tcgacacctc gtccgagttt ggacacgggtg ctttccagac 1140
ccctgccgag aagaagcagt accagggtac tctcaagaag gaccttgcc cgcgttaaag 1200
cggcagcttg tttcttttcg tgtcttaacc aatcattcca ttgcatcggt gtcaagggtt 1260
ggttcgttac gccttgcggt tgggctgggt caggatgaa ctggcatgga gcataaaaaa 1320
aagtccagct aggagaggga tagtgatcaa aaattctaac gagattccaa tttaaaatta 1380
ttaa 1384

<210> 13
<211> 1852
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1852)
<223> n = A,T,C or G

<400> 13
cgagaggaca cctgggaggc tgatgaggcc acttactacg gtggtgagga tacctggctc 60
ggaaacgacg tccgttactc caacggaagc aagggaacca ccaagcctgg tgccaccgac 120
tcggatcagc ccgcgaacac tgattatcac aaccgagatc tcgagaagcc tttggctgct 180
gtcaccacag gtctcatcta tgtaaacctt gagggtcctg atggtaaccc cgaccccgtc 240
gctgccgccc gtgacatccg cgagaccttc ggccgcatgg ccatgaacga cgaaaagacc 300
gttgctctga ttgctgggtg tcacaccgtc ggcaagacct acggagctgg ctcaaccgac 360
cacgtcggcc ccgagccgga agccgcccgc cttgccagc aggggtctcg ctggtccaac 420
agctacaaga cggaaagggt ccgacacaac cacatctggt attgaagtca catggacaag 480
cactcccgtc aagtggancc atgactacct caagtactca tggctccact ttgagtggga 540
gcttacaaag aaccctgctg gcgctcacca atgggttgct aaggatgccg ccgctaccgt 600
ccctgatgcc tatgactcca gcaagaagca caggcctagc atggtgacca ccgacttgct 660
gcttcgcttc gatcctgagt acgagaagat ctctcgctcg ttnccttgaga acccccagga 720
gtttaacgat gccttcgcca aggtctgggt caagctcact caccgtgaca tgggtccccg 780
cgaccgttac ctcgcccccg aggtcccca ggagatcttc aactggcaag accccgtccc 840
cgagcgtgac tacaagctcg tcgacgacgg tgacatctct gctatcaaga acgagatcct 900

<212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1253)
 <223> n = A,T,C or G

```

<400> 15
cacaaactac atcgaaaaac acttttaaaga aaccaagat aacttcaaat cactctcaaa      60
cctggtcacc aaacatgtct cccctgtctg ccatctcccc cacttcccgc tctgctgagc      120
ttgctacctc taccaccaag ctccctgtcc acgcgggcaa gaacgttaac accaagacca      180
ttgaggaaat gctcggtaac tgggatgact tcaagttcgc tcccatccga gagagtcagg      240
tctctcgtgc catgactcga cgctacttcc aggacctgga cagctacgcc gagtctgaca      300
ttgtcatcat cggcgctgga tccctgcggtc tgagcgctgc ctacgtcttg ggcaagaagc      360
gtcccgatct caagattgcc atcatcgagg cttcagtgtc tcctggcggg ggtgcttggc      420
tcggcgggaca actcttctct gccatgatca tgcgcaagcc cgctgatgct ttcctccgtg      480
agatcggcgt tccctacgag gacgagggtg attacgtggg tgtcaagcac gctgccctct      540
tcacctctac catcatgtcc aagggttcttc agatgcccaa catcaagctg ttcaacgcca      600
cttgtgtcga ggatctcatt actcgacctt ctgacgaggg tgttcgcatt gctgggtgtc      660
tcaccaactg gactcttgct tcgatgcacc acgatgacca gtccctgcag gacccaaca      720
ccatcaacgc tcccgtganc atctccacca ctggccacga tgggtcccatg ggcgctttct      780
gcgtcaagcg tcttggttagc atgcagcgca ttgagaagct cgggtggatg cgtgggtctg      840
acatgaacgt tgctgaggat gctattgtca agggctactg tgagattggt cctgggtctca      900
ttgttggtgg aatggaactt tctgaagttg acggtgctaa ccgatgggt cctacctttg      960
gtgctatggc tctgagtggg ctcaaggcag ccgaagaagc actcaacatc tttgacactc     1020
gcaagaagca gaatgagcag taaatgagtc tgtatcaaag aacctcaaaa atggaaaacg     1080
gacacatcga ataaggctcc agaacctcgt ctctcattcg ggttggtgaa acttgctcatt     1140
catttgaaact attgttgact tgttcaagca tgaagaatat gtgaaccaag cttgaaagtc     1200
aatttacagt taaacaaaat tgaataaaat aagtcattgc tttctgtatt cat              1253
  
```

<210> 16
 <211> 2504
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(2504)
 <223> n = A,T,C or G

```

<400> 16
ccatcatcac cctctccatc cttnacagca tcgatcttgt ctgattttat taatacagac      60
ggtcgaggac atcactttgt ccacttggtt ttgtctttga gtgcangta gacacaattt     120
ccgagctttg cgcgtttcgt catcatgaag tccgtcttca ctctctccgt ggccgctgtc     180
gccagcgctg cctctttcag cgctcgccacc gtccacgaca aggcgctcc catcctcagc     240
tccatcgaag ccgagaccat cccagactcg tacatcatca agttcaagga ccacgtcgat     300
gagcgtgctg cctccaacca ccacatgtgg gttcaggaca cccacaccaa cggcgagtct     360
gagcgcctgg agctgcgaaa gnatcctcc attcccttca cagacaagac attctctggc     420
ttgaagcaca ctttgacat tggtagggcc ttcaagggtt acgcgggcca ctttgacgag     480
tccatgatcg agaaggtccg aaaccaccct gacgtcgagt acatcgagcg cgacactctt     540
gtccacacca tggctccctgt ctccaacaag gacatgatca ctgaggacaa gtgcgacggc     600
gagaccgagc gatcagctcc ttgggtgctt gcccggtgtc cccaccgtaa caccctcaac     660
ttcggtacct tcaacaagta cctctactcc tccgatggtg gtgagggtgt tgatgcctac     720
atcgctcgaca ctggtaccaa catcgaccac gttgactttg agggctcgtgc taaatggggc     780
aagaccattc cttccggcga cgccgacgag gatggcaacg gtcacggtac tcaactgtct     840
ggtactgtcg ccggtgaagaa gtacggtgtt gccaaaaagg cccacgtcta cgctgtcaag     900
gtcctccgat ctaacggctc cggatccatg tccgacgttg tcaagggtgt cgagtttgct     960
gccaccagcc atcttgagca aaaaaagaag gccaaaggatg gtaagcgtaa gggcttttaa     1020
ggctctgtcg ccaacatgtc ccttggtggt ggcaaggacc angtctctga tgctgncgtc     1080
  
```

```

aacgctgctg tccgcactgg tgttcacttt gccgtcgctg ctggcaacga caacgccgat 1140
gcctgcaact actccccgc tgcgcgttct gagcccgctca ctgtcggtgc ctctgctatt 1200
gatgacagcc gtgcctactt ctccaactac ggaaagtgcg ctgacatctt cgccctggt 1260
ctgaacatta tgtccacctg gatcggtaac aagtacgccg tcaacacccat ctctggtacc 1320
tctatggcct ctccccatat tgcctggtctc ctggcctact acctctcttt ccagcccgt 1380
ganggactcc gagtaccgct cttgcttttc atcaccccca agaagctcaa nggagaacct 1440
catctccggt gccaccgaga acgccctttc cgatattccc tccgacaccc ccaacctgct 1500
cgctcggaac ggtggtggct gcagcgacta caagaagatc gtcgaagctg gtagctacaa 1560
ggtcaacaaa ggctgctcct tcttctcgcg ttgagaacat caaagcacgc cgttgaagca 1620
cgaaggctga tgttgtctct tggcaagctg accactggcg ctaaggacnt tggncctcca 1680
aggccgnaga agttcttcaa gaagaatcac ganttcgtcg atgangancn tcgagcaagt 1740
tnatnaagga gctcaacatg ttaagancat aatcntatca tgggtgtaatg gntacgcata 1800
gggttcatnc ggtataacgg ccgatgggaa tttgtcacct tggccttcac cagcaaagat 1860
gatttcgccc ttgtagtaaa tgccaccatt ggggttaatg acttgagggt tagctgtgtc 1920
aacgactgtc accttcaact catccttgcc tagggttccc ttgcgcaaag cntctgcatc 1980
tttgagagaa atcttctgga tgcacgaaaa aaacctcgtc tgtagggtgg taccagacta cagcctcgctg 2040
acctgcattt tgcacgaaaa aaacctcgtc tgtagggtgg taccagacta cagcctcgctg 2100
gaagatgggg tcgctttctg acgtagcaac aagtgtcaga gagggatcct ttccgatgac 2160
atcgaggaat tcatcatcat aaacatggaa ggggttctcg acgagagatt cctctgtcac 2220
tccgggccat gtaaagacca gtgtgtcatt agccacggaa ggtggtggga catccttcaa 2280
aacattgaaa gacttctgat caatgacctg agccgtggag ggaagtttg cagcggcaac 2340
gccacaaatc ccgacaacaa gggcagcaat ggtggaaggc atggcgaatg aggtagaagt 2400
gaaactgagt ggtgtgggag ccaagctgca gaacgaagga ggatggtcag gctgtactaa 2460
atatgtgcct tggaagaact ttatccacga ttgatcatct ccgc 2504

```

<210> 17
 <211> 1227
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1227)
 <223> n = A,T,C or G

```

<400> 17
gctttctctt cctcctcctc agccaagtca ttgttgtaaa agccttgctt ggctgtttct 60
tttttgctgt ccttttctct gtggtccctc ttctttgctc ttgcatactt cctccatctc 120
catacttgta aatcaacaac atctgcaaac atgcgtgagg tcattagcat caacgtcgga 180
caggctggtt gccaaatcgc caactcttgt tgggaacttt actgcctcga gcacggtatc 240
cagcctgatg gttacctcac cgaggagcgc aaggcgcagg accccgatca gggatttagc 300
acattcttct cagagactgg caacggaaaag catgtccccc gagccatcta ctgcgatttg 360
gagcccaatg tcgtcgatga ggttcgcacc ggtccttacc gtaacctctt ccaccccag 420
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gctcttctta tggagcgcct gtccgtcgac tacgggaaga aancaagct ggagttctgt 660
gtttaccctg ttcttnagac cgccacctna gtcgtngagc cctacaactt tattcttacc 720
acacacacca ctcttgagca ctccgactgn tcnttatggg cgacaacgan ggcatttacg 780
acatntgneg gcgaaacctt ggtctcgagc gcccctaacta cgagaacctg aaccgtctta 840
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acttgaacga gttccagacc aacctggctc cttaccccag aatccacttc cctctcgctg 960
cttactctcc tgttatctcg gctgccaagg ccgctcacga ggccaactct gtccaggaga 1020
tgacatgtct tgcttcgagc ctaacaacca gatgtcaatg tgaccccgcc atggcaagta 1080
catggccact tgtctgctgt accgcggtga ctctcccaac aagccacccg ccgtgctacc 1140
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aantccaagg gactcncaag tagcggc 1227

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<210> 18
 <211> 941

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(941)
<223> n = A,T,C or G

<400> 18
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gggtcattgtt gagaacgatg tcgctacggg catcaacatc accctcaagt ctggcgaaaa 180
gcacactctc catgtctcgca aggagactat tctgtgcgcc ggtgcggcga tacaccana 240
ctcctcctca ctctggtatt ggccccaaagg ctcanctcga gtttttcaac atcccccggt 300
gcaaaggaca tcctggtggt ggcgaaaacc tnttggatca ccccgagacc atnatnatgt 360
gggagctgaa caaggccgtc cntgccaacc aaaccactat ggactctgat gctggtatct 420
tccttcgacg ggagcctaag aatgctgccg gcaacgacgg tgatgctgcc gatgtcatga 480
tgactgctta ccaaatttct ttccacctca acacagagcg tcttgatata cccaagatta 540
aggatggtta cgctttctgc atgacaccca acattcctcg cctcgctctc gtggccgtat 600
ctttttgacc tcggcgacac ctactgtcaa gccttccttc gacttcgctc acttcaccga 660
ccccgagggg tacgatgcgg ctactcttgt tcacgggtatc aaggctgctc gtaagatcgc 720
cagcagagcc ccttcaagga gtgggtcaag caggaggncg ccctggcccc aagattcaaa 780
cccgatgagg agaatagcga gtacgcccgt cgtgtcgctc acaccgtcta caccctggcg 840
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gtccggggat naacaacttc gaatggtgag ctggnatttc n 941

<210> 19
<211> 1727
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1727)
<223> n = A,T,C or G

<400> 19
cagatcaaca tcactgctat caccaacatg cttactcaag tcctttatgg cttggtagcc 60
agtgcccttt ggcaaggcca agtcgttgca tcaccaagca aggacaattc actggagcgc 120
ttcattgaca aacaagctga tatttctatc aagggtgtcc ttgctaatat tggcgctgat 180
ggaaaaaggg cacagggtgc agcgccctgt gctgttgttg caagtccatc gaaagaagat 240
cctgattatt ggtacacttg gactcgtgac tctgctttta cgtacaaagt gctcgttgag 300
agattcatcc acggcgacaa atctctccaa cgaaagatag atgaatatgt ctccgcacaa 360
gcgaaaactgc aagggaccac aaatccatcg ggcagcccag aatcgggcgg tctcggcgag 420
ccaaagtctc atgtgaatct cactgctttc actggatctt ggggtcggcc tcagcgcgac 480
ggccctccgc ttcgggctac cgccttgact ctgtatgcag aatggctcat tccccacggc 540
gaaagatcca aggccttgaa caaagtctgg ccagtcacg aaaaggaact tgcgtatact 600
accaagtctt ggaatcgac tggtatgat ctatgggagg aggttaaatg atcttctttc 660
tttacacttt cggcttcgca tcgtgctctt gtcgaagggt ccgctctggc taagaaactt 720
ggcaaatctt gtctgactg tgtcaccaac gtcctcgcg ttctgtgctt ccttcanact 780
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tcgacgttcc agccttgctt acccagagct cttgcgaacc acaaggcggg cgtcgattct 960
ttcagggtcaa tctatggtgt caacaaaaat agagggtcaag gcaaggccgc ggctgttggt 1020
cgatatagcg aggacgtgta ctatgatggc aacccttggt acctggccac tcttgctgct 1080
gcagaacaac tctacgctgc ggtctaccag tgggataagc ttggcgctgt tactgttgac 1140
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aagaagacca agacatacaa ggagatcatc aaagcagcca agacttacgc cgacggcttt 1260
gtcgtgtctg tgcagacata cactcccaag gacggctcac tagctgagca atttgacaag 1320
tcaactggag cccccaagtc cgctgttcac ctcacctggg cctacgcgcg ctttgtcgcc 1380

acaactgaac	gtcgcgacgg	catcatctct	ccctcctggg	gcgaaagcag	cgccaacaag	1440
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aacgtgcaag	tttcatccga	ccaaaaaggt	tacgtggttg	gtcagtgac	tganccttct	1560
aactggtcac	ctgatgatgg	cattgcgctt	acgccatcta	gttccggagt	gtggaacgtc	1620
aaaggttaag	attccttctg	atccagcttt	gagtacaagt	atattaagaa	gactagcagt	1680
ggggatgtta	ctgggtgagt	gatcccaaca	acccggctat	tacnggt		1727

<210> 20
 <211> 887
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(887)
 <223> n = A,T,C or G

<400> 20						
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ggaaattctg	ggaaagcctg	acaaggagggt	gatcctggat	gttaagatgg	ataacttgaa	180
ggacggtaag	aattacgcct	tcttcaacga	catcacatat	accgaggcca	aagtccccac	240
gctctacacg	gcactcagtg	cagggaagga	cgccgaagac	cctactgtat	acggaactta	300
tacacactct	atggtcctca	agaagaacga	gattgttcag	cttgtggtaa	ataaccttga	360
ctcgggtcgt	catcctttcc	atcttcacgg	tcatgcattc	cagtctgtct	atcgatccga	420
ggaagagctg	gtatttgggc	cgataccaat	gtcacagaca	angatctgcc	aaaaaccccc	480
atgcgacgtg	atactctagt	tatatacccc	aacggtaaca	ttgtcatgcy	tttcaaggca	540
gataaccan	gtgtctggct	gttccactgt	cacattgagt	ggcacgttat	ctctggtctt	600
atcgctactt	tcgtagaaaa	ccccttacct	tccaagaaac	cattgagatc	ccaagaacca	660
ccttgatgca	tgcgctgccg	ccgatatgcc	taccaaggga	aacctgctgc	caacacagaa	720
gantttctcg	atcttactgg	cgaaaaaaaa	cctgccaaagt	tttgcctctgn	tttaacttgc	780
ggttnngcct	cttttactga	ttgnggattt	tccggggctn	tgccatggac	ggttttttgc	840
aattgattna	caggccngnc	cttataaccg	ntgtnaaaac	aatcgga		887

<210> 21
 <211> 1217
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1217)
 <223> n = A,T,C or G

<400> 21						
gcaccttgat	cctctgcac	gcctcgtcac	cgcaaaaatg	gccgaacaat	tgatcttgaa	60
gggaaccctc	gagggccaca	atggctgggt	cactagcctg	gctacctcca	tggagaaccc	120
taacatgctc	ctgtctgctt	cccagagacaa	gaccttgatc	atctggaacc	tcacccgcga	180
tgagaccag	tacggttacc	ccaagcgatc	tctccacggc	cactctcaca	tcgtctccga	240
ctgtgttatc	tcttctgacg	gtgcctacgc	tctgtctgcc	tcttgggaca	agactctgcy	300
tctttgggag	cttgctactg	gtaccaccac	tcgacgattc	gtcggccaca	ccaacgacgt	360
cctctccgct	agcttctctg	ccgacaaccg	ccagatcggt	tccggttctc	gtgaccgaac	420
catcaagctc	tggaaacccc	tcggtgactg	caagtaacac	atcacccgata	agggccacac	480
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tggttgggac	aagcttgtca	aggtttggga	gctctctacc	tgcaagctcc	agactgacca	600
cattggtcac	accggctaca	tcaacaccgt	caccatctcc	cccagcgggt	ntctgtgcgc	660
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gtgcgctgcc	accgccagca	gcacatcat	cttcgacctc	gagaagaaga	gcaaggttga	840
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cttggttgg	tctgctgatg	gccanaccct	gttcgctggt	tacactgaca	acatcatccg	960
tgccctggggt	gtcatgtcga	gggcataaat	tgctctaccc	tgtaaaaaaa	aggcgtgggtg	1020
acgaaggcga	gcggaagaag	gtagatcatt	gggtggggcgt	caattggntg	gcttncttcg	1080
nttggtcttt	attgatgcaa	aggaaggggg	gcgattacaa	atctgacgag	ggcataacgc	1140
atgtgctggt	tataaggcag	cccctgaaat	taccgggat	tcacccctttt	gttctccaat	1200
aaagaactcg	agttttc					1217

<210> 22
 <211> 1654
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1654)
 <223> n = A,T,C or G

<400> 22						
caagagggcc	ccaattcttc	tcttttgatc	tgcacttttt	gatctttgct	tgagagagat	60
caaccatcaa	caatgacgtc	caaggaggaa	aaggctcgaca	tcggcactca	cacgcgcgcg	120
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cagcgccgtg	actacgggtac	cggcgctcgtc	caactcgatc	gctctatgaa	gaagcgccat	300
ctccacatga	ttgccattgg	aggttctatc	ggtgctgggt	tctttgtcgg	ttccgggtgg	360
gccttcacca	aagggtggccc	tggcgcagtc	ctcatctgct	tcttgattgc	tggtgtcatg	420
atcttcaacg	tttccacnct	cttgggtgagc	ttgctgttat	gtaccccgctc	tctgggtggt	480
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cgacttcatg	aacctgggtc	tctgtgtttc	tggtgtttct	atcggtgtct	cttgtgtcta	1200
cgggtggctct	cgtactctca	ctgcccttgc	tgagcaggac	tacgccccca	agatcttcac	1260
ctacattgat	cgctccggtc	gccctctcat	gtccgctcgt	ttcaacctca	tctgggggtgc	1320
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ctctgccctg	gccggtctct	tcacctgggg	cttctactgt	gcttggcata	tccgtttccg	1440
ctctgcttgg	aagcgtcaag	gccgtaccct	caaccaaatt	cccttccacg	ctgccggngg	1500
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tcggtgtctg	ccccccctta	angaggggtt	acngnaacct	cgaagacttn	tttatggntt	1620
gccttgccat	tcccgggtgc	ttgtcttntg	gctt			1654

<210> 23
 <211> 2468
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2468)
 <223> n = A,T,C or G

<400> 23						
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ctggtggcat tggccagccc ctctctctcc ttctcaagac ttctcctcac attgacgagc 180
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cccgcgcca gaccactggc taccttcccc ccaacgatgg cgctaaggct gccttcaagg 300
acgctgacat tattgtcatc cccgctggca ttccccgcaa gcctggaatg acccgatg 360
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cccctaaggg ttttatcctt gttatttcca acccagtaaa ctcgactgtt cccatctctg 480
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tcgacatcgt tcgtgcccag acttttgttg ctgagatcac tggcaaagct aacccccagg 600
agctgaccat ccccgtcatt ggtggtcact ctggcgagac catcgctccc ctcttcagca 660
aggcctcgcc ttcagttcag atccccgacg acaagtacga tgctctctg aaccgcattc 720
agttcggtgg tgacnaagtt gtcaaggcga aggatgggtg tggttccgcc aactgtcca 780
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taaggaaaca tggtctctgc aattattacc acgtatcaag gtaacgttta aaaagaacgc 960
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accacggact tccgcacccct caagggcaag cgcctcggct acgtcggcga gtttggcaag 1620
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gacgatgttc aaatgctgag catcgatgaa cttgctgagc ttggctgctg ctgcttctgc 1860
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accaagtatg gaaagcgtct tggtgtgctt gatgagactc ttgagcccaa ctacaccaac 2160
tctacctttg agtgagctct atctggagag tccagtgacc ctactggaga ccagaagcgc 2220
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gctccccagg ccaaagcata ggtgtgtata tagggcatta aaggtatacg agttggagtc 2340
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aaaaaaaaa

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<210> 24
 <211> 809
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(809)
 <223> n = A,T,C or G

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<400> 24
ctcatcggtta gggataacct cgccaatacc atactgagca atggaatata ggccccagac 60
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tggctcaggt tgtcttggtta atccttttaa gtcaaaccaa tcattcgaat gacctgcagc 180
attaccaact accggaatat cagcggcttt gcataatcc agatagttct cattaagctt 240
ttccctttcc tgaagtaaaa cgggtgcctc aataaagacc gaagccaaac cttgttgtaa 300
gtgccaatct acatgacaat ggaaatacca gacaccaggg ttgtcagctc taaatctcag 360
gacaacatgt ccactaggtt caagaaccac tgtatctctc accatcggcc tctcagggaa 420
cggttgtaat ggcgcagatt cgttataagg gacggtcatt tcatcttgct cagattcgtc 480

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ataagcttca	tcaacatgga	accctggcga	cttttggact	atgttgaaat	tatgaccctg	540
gcaaatggaa	tggatgtctg	ccacaatcat	aaatgtttta	gaacaacctc	tatgatatac	600
ttatggttca	ataactgcgc	attgatatta	tcaccataaa	ttctaaggat	ctgacgcaag	660
cttttctgan	ggaaagcaac	gttgtcnaaa	gtaggccctt	ttggtgggga	cgtaagggtg	720
ttttattgga	aaaaggctcc	tttacacctt	ncccaagggt	gaccattttt	tacattcatt	780
aaaatttggg	ngggcataan	gggcaantn				809

<210> 25
 <211> 1063
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1063)
 <223> n = A,T,C or G

<400> 25						
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caagcgtggt	gaggctttcg	ttatcggttac	tgccactggg	gacaacacct	tcgtcggccg	120
tgccgctgct	ctcgctctct	agtctgctgg	tggcactggg	cacttcactg	aggttctcaa	180
cgggaattgga	accatttttac	ttgttcttgt	tggtgccact	ctcttgatcg	tttgggtctc	240
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ctgagccctt	ctgtgttctg	gggtgtgagc	ccgatgaact	gatgcttact	gcttgtttgg	540
ctgcttcccc	caagaagaaa	gggtattgat	ctatcgacaa	ggctttctct	aaggctctca	600
agttctaccc	ccgcgccaag	gggtgttctg	ccaagtacaa	gggtcttgac	ttccaccctt	660
tcgaccctgc	tccaagaang	tccaggctgt	tgctcagctc	cccagggcga	gcgtatcatc	720
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tgctctgacc	ctnctcgcca	cgacactgcc	gcactatcaa	cgaggccaag	cgcttggtgc	960
tcttcaccaa	aatgcttact	gggtgacncc	cgggtattgcc	gtgaaacttn	tngtcagctc	1020
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<210> 26
 <211> 1155
 <212> DNA
 <213> Fusarium venenatum

<400> 26						
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gtcaacgaat	gctccctctc	tgaaagaaa	gctgaatacc	ggcattgctg	tcgaggggtg	180
ctccgatgcc	gcccgatctg	cctccgatat	cgtcttccct	gctcctggct	taggggcat	240
aattgacgcc	ctaaaaacta	gtcgccagat	cttccatcga	atgtacgcct	acgttgtcta	300
ccgtatcgct	ctctctctgc	acatggagat	tttcccttgg	ctctggatcg	ccatcctcaa	360
ccgatctctc	aacattgagc	tcgttgtctt	cattgccatc	ttcgccgata	ttgccaccct	420
cgtatcgcc	tacgacaacg	ctcccttctc	ccagactcct	gtcaagtggg	acctccctaa	480
gctctggggg	atgtctgttc	ttctcgggtg	tgctcctggc	gttggtacct	ggatcgctct	540
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cgaggttctc	ttcctcgaga	tctctcttac	tgagaactgg	ctgatcttca	tcaccctgct	660
caacgggtccc	ttctgggtct	ccattccctc	ttggcagctt	tcgggcgcca	tcctgggtcg	720
cgatatactc	gccaccctct	tctgtatctt	cgggttggtc	gttggtggcc	agaccaacat	780
tgctcgtggt	gtccgtatct	ggatcttctc	tttcgggtgc	ttctgtgtca	tggttggtct	840
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gcagaaccag	aagcagcgat	ccctcgagga	tttcgttgct	tctcttcagc	gtgtctctac	960
ccagcacgag	aagtctcagt	aaacagatgg	tatataccgc	gaccaccatc	gaccggactt	1020

tcacttttcgc	tacgtccaaa	tttgacctgt	aatactcaca	cccgagtact	gagactcctg	1080
gagtagttga	ggaatctttc	ataccacctag	atcgtctatt	agacacttaa	taatacaaaag	1140
taaaataata	ttttg					1155

<210> 27
 <211> 1322
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1322)
 <223> n = A,T,C or G

<400> 27						60
ctccattctc	tcttccttct	ttcatcctca	atctcccctc	aatcctttcg	tcttggtcaa	120
gggaaagacc	atcacagccg	ctaccatgtc	tcctcctgct	gatcaaggac	cccagacggg	180
cttgggcatg	ccccattcgc	tcgctgactt	cctcatgggt	gggtgtctccg	ccgctgtctc	240
taagactgct	gctgccccca	tcgagcgtgt	caagctcctc	atccagaacc	aggatgagat	300
gctcaagact	ggctgtctcg	accgcaagta	caacggcatt	gggtactgct	tcaagcgcac	360
catggccgat	gaggggtgtc	tgtccctctg	gcgaggaaac	accgccaacg	tcatccgata	420
cttccctacc	caggccctga	acttcgcttt	ccgtgacaag	ttcaagaaga	tggtcggcta	480
caagaaggac	aaggatggct	acgccatgtg	gatggctcgg	aaccttgcc	ccgggtgggtg	540
tgctgggtgcc	acctctcttc	tcttcgtcta	ctctcttgac	tacgcccgtg	ctcgtcttgc	600
caacgatgcc	aagaacgcca	agtccgggtg	tgaccgtcag	ttcaacgggc	tcgtcgacgt	660
ttacaagaaa	accctcgcc	ctgacgggat	tgccgggtct	taccgtgggt	tcatgccctc	720
cggtgctggg	atcgttgtct	accgtgggtc	ctacttcgga	atgtacgact	ccatcaagcc	780
cgctgcctc	accggttaacc	tccagggcaa	cttccctgcc	tctttcgctc	ttgggtgggt	840
cgtcaccact	gggtgccggt	tcgctcttta	ccctcttgac	accatccgcc	gacgtatgat	900
gatgacctcc	gggtgaggctg	tcaagtacaa	gaacaccatg	gacgtgccc	gccagattgt	960
cgccaaggag	gggtgtcaagt	ctctcttcaa	gggtgtcggg	gccaacatc	tccgtgggtg	1020
tgccgggtgct	gggtgtcctct	ccatctacga	tcagctccag	gtcctcctct	tcggcaaggc	1080
cttcaaataa	gcgattcggt	caacataccc	tgtatagatg	agtgtggggg	ataaggattc	1140
gaggagaatc	ttaattggcg	gacctggcat	gggtgtccgt	ggttgaaaca	aaaaggcgag	1200
atcgaagtgc	agatcgaggg	aagtgtcac	agatacccga	cgtgggtctga	aacagcagct	1260
ntttacgggt	tagaagtggc	ataggcacgg	cgtctttttc	taatcttgc	ttgccttccg	1320
ttctangccg	ctgtaattta	tacaccaatg	caaattccct	ttactggcta	ataaaaaaaaa	1322
aa						

<210> 28
 <211> 1142
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1142)
 <223> n = A,T,C or G

<400> 28						60
gtcagaagcg	atccaccgtc	gcccagttcg	tcaagaccct	cgaggagAAC	gacgccatga	120
agtactccat	cgctcgctcg	gccactgcct	ccgaggctgc	tcctctccag	taccttgccc	180
ctttaccggg	tgctccatc	ggcgagtggg	tccgcgacaa	tggaagcac	tctctcgtca	240
tcttcgacga	tctttccaag	caagctgtcg	cttaccgaca	aatgtctctg	cttctccgtc	300
gtcccccccg	acgtgaggct	taccccggtg	acgttttcta	cctccactct	cgtctccttg	360
agcgtgctgc	caagatgaac	gacaagctcg	gtgggtgggt	tatgaccgct	ttaccgctga	420
ttgagacaca	gggcggtgac	gtttccgctt	acattccctac	caacgttatt	tccatcactg	480
atggtcagat	cttcttggag	gctgagctgt	tctacaaggg	tatccgacct	gccatcaacg	540
tcgggtctttc	cgtctctcgt	gtcgggttccg	ctgcccagct	taaggccatg	aagcagggtg	600
ctgggtccct	gaagcttttc	ttggcccgat	accgtgaggt	tgctgctttc	gcccagttcg	

gttccgattt	ggatgctgct	accaagcaga	ccctcaaccg	tggtgagcgt	cttaccgagc	660
tcctcaagca	gaagcagtac	agccccatgg	ctgttactga	gatggttcct	ctcatcttcg	720
ctgggtgttaa	cggtttcctc	gacaccatcc	ccgttaacaa	gattcttcag	tgggagtcgg	780
acttccttgc	ccacctcaag	acaacgagac	cgantcctt	gccaccattg	acaaggaagg	840
cgccatctcc	aaggacactg	aggctaantc	caaggacgtc	gtccagtcct	tcgtcaaaac	900
ttcctcgggt	aaatgtaatc	aaaagcaact	tgtgcggaga	atagcggggg	cctttggggg	960
tgtcgtctgc	tatatcgaat	atctattgtc	gtttttctct	cttgaggcgg	agggaaacatg	1020
tcgagggggtc	gcgcctggat	ggagcgacgg	gaatgagttg	agggagattc	gcccgtcgtg	1080
ttgccacttg	taaaatagaa	gcacaaaact	caatgaatgc	cctcgattcc	ttttgttctt	1140
ga						1142

<210> 29
 <211> 2298
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(2298)
 <223> n = A,T,C or G

<400> 29						
gtcttcaaat	accacgatct	tccttgaagc	aaaccgcggt	ttctttttct	tttctcttcc	60
ctaactcttc	tcatacactc	tacataaacc	atacacatca	cacaaaatgg	gtcccgtgtg	120
cggatcgcg	ttgggtacca	cgtactcttg	cgtgggtatc	ttccgtgagg	atcgatgtga	180
tatcatcgcc	aacgaccagg	gtaaccgaac	tacccctca	ttcgtcgggt	tcaccgacac	240
cgagcgtctg	attggtgatg	ccgccaacaa	ccaggctcgc	atgaaccccc	agaacaccgt	300
cttcgacgcc	aagcgattga	tcggctcgca	gttccccgat	gctgaggtca	agnccgacat	360
gaagcacttn	cctttcaaat	natcgacaan	gncggcaagc	ccctnatcga	ggtnagattc	420
aacgggtgaga	acaagcacct	tactgcccct	gaagagatct	ccgccatgat	cctcaccaag	480
atgaagttag	accgccgaga	ccaacctcgg	caagaaggtc	aacaacgcag	tcataccgtg	540
ccctgcctac	ttcaacgact	aactcagcgc	caagccacca	aggacgccgg	tctccatcgc	600
cggcctcaac	gtcctccgaa	tcatacaacga	gcctaccgct	gctgccattg	cctacgggtc	660
cgatgcaagt	aaggtctgag	aagcgagcgc	aacgtctcca	tctacgatct	cggtgggtgg	720
acattcgatg	tctccctcct	caacatccag	gagtggtatc	ttcgactgtc	aaggccaccg	780
ccggagacac	tcactcttgg	tggccaaaga	tttcgacaac	caacctctc	aaccactgcg	840
ttaacgaaag	attcaaagcc	gaaaagaaca	aaaaagactc	tctggcacca	acgcccgtgc	900
tctccgacgt	ctccgaaacc	gcctgtgagc	gtgccaaagc	gaacttcttt	ccaaccggtc	960
gctcagacct	tcattgagat	cgactttttt	ttcgagggga	tcgacttcta	cacctccatc	1020
acccgtgctc	ggttcgagga	gcttctgcca	ggaatctctt	tcggatccac	tattcaaccc	1080
gtcgaccggg	gtnccttactg	gacgccaaaa	atcgacaagt	cccttgtcca	cgagatcgtc	1140
ctcgtcgggtg	gatctaccgg	tatccccctg	gtccagaagc	tcatacccca	ctacttcaac	1200
gggaaaggag	cccaacaagt	ccatcaaccc	cgatgaggct	gttgccctacg	gtgccgctgt	1260
ccaggctgct	attctctctg	gtgacacctc	tagcaaggcc	accaacgaga	ttcttcttct	1320
cgacgttgcc	cctctctctc	tcggtattga	gaccgctggt	ggtatgatga	ccaagctcat	1380
cccccgcaac	accaccattc	ccaccaagaa	gtccgaagtc	ttctctacct	tctccaacaa	1440
ccagcctggg	gtccttatcc	aggtctacga	aggtgagcgt	cagcgactta	aggacaacaa	1500
cctcatgggc	aagttcgagc	tcactgggat	ccccctgct	ccccgtgggtg	ttccccagat	1560
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caccggcaag	tncaacaaga	attgtcatca	ccnaccgaca	gggcccgcct	tgtctaagga	1680
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gcaagcgtgt	cgctggccaan	aacggctctg	agtcttacgc	ctactctctc	cgcaacactc	1800
tctctgacct	caaggtcgag	gagaagattg	aggcttccga	caaggagacc	ctcactgctg	1860
agattgataa	ggctcgtccag	tggctcgatg	acaaccagca	ggctactcgt	gaggagtacg	1920
aggagcacca	gaaggagctc	gagggcaagg	ccaaccccat	catgatgaag	ttctacggag	1980
ctgggtggta	gggtgctcct	ggtggcatgc	ccgggtggcc	tgggtggcttc	cctgggtgctg	2040
gtggccccgc	tcccggcgct	ggtgggtgacg	atgggtccac	cgtcgaggag	gtcgactaaa	2100
ttcttttgata	cccccaataac	atcagctctcg	acttctagag	cagtcatgta	tccatgggta	2160
caatgcccgg	gctagtcggt	ttaatgggat	gatgagatta	aattttcctt	tttctgtttt	2220
tatgcgactt	ttacggttat	gaaaagctaa	ggggggttac	ctctcatgtn	ctttaatgaa	2280

tcaatgaatc atnttcat

2298

<210> 30
<211> 994
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)... (994)
<223> n = A,T,C or G

<400> 30
cttgagacct ttgtccaact tttcttcaag cacagctctg gcacttcctg gtacacgccg 60
cacgcgcctg tctcgatcca ggatgagccc gactaccctc atcgaggcat tcttctcgat 120
gttgcccgtg gcttttttga agtcaagcac atcaagcgca caatcgacgc catgtcgtgg 180
agcaagctga atcgcccttca ccttcacatc actgactcgc agtcctggcc tctcgagatc 240
ccagccctac ccaaactggc cgaaaagggg gcataccgca aaggcctgac ctactctcct 300
gaggatcttg ccggtattta tgagtatggg atccaccgcg gactcgaggc catcatggag 360
attgacatgc ccggccatat cgggtgctgt gagcttgccct ataaggatct cattgtcgcg 420
tacaatgaga agccttatca atgggtgggt aaggagccac cctgtgggtg gttccgcatg 480
aacagctctg atgtttatga ctttctcgac actctttttg atgacctctt ccctcgcat 540
tccaagtaca gtccctactt ccaccttggg ggagacgagc tcaaccacaa cgattccaga 600
cttgaccctg atgtgcgctc taacgaaacc gaagtctctg cgccctcttt gcaaaagttc 660
gtcgattaca ctcacggcaa gggtcgagat gccggcatga ctccgttcgt ctgggaggag 720
atgattaccg aatggaacat gactctgggt aaagacgttg tgattcantc ctgggtcggg 780
ggcggtgcta tcaaaacctg gctgaggctg gtcacaaggn aatcgatagt gattacnact 840
tctggtacct tgactggggg ccgtggacag nggntaactt tgacaaccgg cgatcccttc 900
aaacatacta cccctttaac gactggngcg gntacacaaa actggngggg tatttactcc 960
acgaatcttg ggccggctat ccaggaacaa ccaa 994

<210> 31
<211> 1124
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)... (1124)
<223> n = A,T,C or G

<400> 31
ggccaataca tcaccggcga agattactga ggagcagcga ttcgatatta tccgaaatgc 60
ctgccctggg ggtgggtgctt gtgggtggcat gtacactgcc aacaccatgg ctactgccat 120
tgagactttg ggacttaccc ttctgtgtag cagcagcagc cctgctgagg accccagtaa 180
ggtcgcccag tgtgaggctg ttggacctgc tatccgcaac attctcaagg aggatatccg 240
acctcgtgac atcatgactc gtcaagcctt tgagaatgcc atgatcgtca ccaccatcct 300
tggtggcagc accaacgctg tcttgcaact tatcgccatt gctgactctg tcggtatcaa 360
actcgacatt gaggacttcc aaaagggttt cgaccgcact ctttcccttg ccgacctgaa 420
gccctccgga aagtgggtca tggccgatat gcacaagatt ggtgggtactc ctgctcttct 480
caagttcctc ctgaangaag gcattattga cgctctggta ttactgtcct ggtaaaacca 540
tgaagcagaa cgtcgaggac ttgcctggat tccccgagga ccaaaccatt attcgcccc 600
tgagcaaccc tatcaagcct accggccaca tccagattct tcgcggtcgc ctggccccctg 660
gtggctgtgt tggttaagatt actggcaagg agggctctcg attcgagggt aaggctcgtg 720
tctacgactc cgancccgcc ttcactctta gccttgaggc tgggtgagatc aagaagggtg 780
agaagactgt cgtcatcatc cgatacgacg gacccaaggg tggctcctggc atgcctgaga 840
tgctgaagcc ttcttctgcc atcatgggtg ctgggtcttg tccagatgtc gcccttctca 900
ctgacggctg cttctctggg ggttcccacg gtttcattat tggccacatt gtccctgaag 960
ccatggaagg tggctctatt gcccttgtcg aagacgggtg tagcatcgtc atcgatgccg 1020
agtctcgtgc tatcgacctt gttgttcccn aaggaagaag tcttccccgc cgcaaggctt 1080

ggaaagcccc tcctccccgg tacaccaagg gttactctca gcaa

1124

<210> 32
<211> 935
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1) ... (935)
<223> n = A,T,C or G

<400> 32
gaatngccccg aaaattgttt attgggagat gccgcgccat catttntggt ctgcgttact 60
acactcgaac tattatacaa cattatgcct tctgcatcga gcgcatatgc caccgggcgg 120
ttcatcacgc ttacctgacc cctcgcctta ccttctcgc aatatcgctt ttcaagcagc 180
ggctatgata acctccatcg tcnagaacct cgctgcacat gatcagctac ggtattgncc 240
cgcctttggt gtatacagtc tattctcagc cctcattatg catgtctatc aaatgaagtc 300
accagtaccc tcgattcagc aggtaaccca agacagggtg cgtagctgca tgtcagctat 360
gaaggaaatc tcacggggtt ggcttgctcg gaagatgggt tacgccctct ttgaatccat 420
catgggaaac aagggtactg aagagcgact tcaaagggtt gaaggcaagc gacaccgaaa 480
tttgcgcaa acactttctc aattggaaca acagcaaaat cgacaggccg aggcaaccaa 540
gcggaagtat gatgacatgg ccatcgactt tagtaccaat acgccttagc cttaggagtc 600
ttacgagaga tcacggcctc aaacgcctag tgctgcaaga cggagccaac aagctcgatg 660
cagcctccgc cggtgacgct ttcaaacgca agacagagta cagccgcact tcatgggagg 720
nacgaactca cgtncacaaa ctcgaccagg aacgcctttt aatncatctt ttttntccg 780
ccacaccttc tgactatttt ggtacaagga ctcttcgacc ttcacaatct tttgggaaac 840
ttccagcaga caattattct tgttaggntg gtttgcagct tccgaactnn gccacgcaaa 900
cactcatttg acacacacat gggttcantcc cgggt 935

<210> 33
<211> 937
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1) ... (937)
<223> n = A,T,C or G

<400> 33
ttcgtcgtga agtgctgttc ttcatttccc caataaccac aatcaaaaac gaaactatgg 60
ctgaaagcgc aggaggaatc gatcgcaagg ccgatgagag gatggagttt tccacctcca 120
aggaggttac ggtccatcct actttcgagt ccatgtcact gaaggagaac ctccttcgcg 180
gcatctacgc ttacggatac gagtctcctt ctgctgttca atctcgtgcc atcgtccagg 240
tctgcaaggg ccgtgacacc atcgcccagg ctcaatccgg tacaggaaag accgctacct 300
tttccatcag tatgtgcag gtcacgaca ccgcggtgcg cgagacacag gccctagttt 360
tgtcaccac acgagaattg gcgactcaga tccagtcctg cgtaatggcg ctgggtgact 420
acatgaacgt ccaatgccac gcttgatcg gaggtacaaa cggttggtgaa gatatccgca 480
agctcgacta cggccagcac attgtctctg gcaactccagg gcgtgtggca gacatgattc 540
gacgacnaca cttgcgcact aggcatatca agatgctggt tctcgatgaa gctgacgagc 600
tcctcaacaa gggattccgt gagcagatct acgatgtcta ccggtacctc cctcctgcc 660
cacaagtcgt ggtcgtcagt gccaccctgc cttacgatgt cctcgacatg acgaccaagt 720
tcatgaccga tctgttcgc attctcgtcc agcgtgacga attgaccctc gaaggtctca 780
agcagtactt catcgccgctc gagaaggagg actggaagtt tgatacccta tgcgatctct 840
acgacaccct cactatcacg caagccgtca tcttctgcaa cacacgccgc aaggttgact 900
ggctcaccga caagatgccc aaaccaactt taccgtc 937

<210> 34
<211> 976

<212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(976)
 <223> n = A,T,C or G

<400> 34
 cgataccctt actggcagcc agcctttcgc ccacggtggt gatgttcgat ccaacttcct 60
 tttcaactct cagatctggg gaattgagga ggccgacgct atcctgattg ttggcagcaa 120
 ccctcggcac gaggctgccc ttctcaacgc ccgtatccga aagcagtgcc tccgatctga 180
 cctcgagatt ggtcttgttg gtgagacatt tgactccacc tttgagttcg agcactttgg 240
 tgccgatcac gctgctctca agactgctct ctctgggtccc ttcggcgaga ccctgaagaa 300
 cgccaaacga cctatgatca ttgtcggctc tgggtgctact gaccacgctg atgccaaggc 360
 ttactacgag accattgggtg ccttcgctga caagcacgcc tctaaacttcc gaactgagga 420
 gtggcaagggt tacaacgtcc ttcagcgtga ggcttctcgt gctgggtgctt tccgaggttg 480
 cttcactact ccttctgtcg aggtgcccga accaagccca agttcgtctg gcttcttggg 540
 gccgacgatg tcaacgaggg cgatatcccc aaggatgctt tcgttggtta ccaagggtcac 600
 catggtgaca anggtgccc natcgtgat atcgtcctcc ctggtgctgc ttactactgaa 660
 aaggcggtg cttacatcaa cactgagggg cgtgttcaaa tgactcgagc tgccacttct 720
 ctgcctgggtg cctcgcgaac tgactggaan atcctccgag ctgccagtga attcttgggg 780
 ctccctttcc ttacaatgac gtcccattgt cccgagaccgc atggtcgaaa taaccctnct 840
 ntggccgcct acaagtttgt tgaaccgcgc ncttctcttg tttgancaag gtttaacttgt 900
 aaacaaaaca agggtgccaa ngnttcggga nctcccctaa aaaagttatc ncaacnttta 960
 ctttacaaat tgtttt 976

<210> 35
 <211> 918
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(918)
 <223> n = A,T,C or G

<400> 35
 ccactgtaga gtggtctcaa gagcgatata ccgagtgcac atccaaactc gcacagtttc 60
 ttaagggtag tggttacaac ctcaagaacg acgtttactt cttgccaat gctgctcagc 120
 aaatgaagg catcaagacc cgtatcccc aggaagacgc tccctgggtg gaggggtcct 180
 cgctgctcga gtacctcgac agcatgaang cgcttgagcg taagggtcaat gctcctttca 240
 tgttgcccg caatggcaag taccgtgatc ttggtacaat ggtagagggg aagattgaag 300
 ccggtgttgt taagaaagg atgaacatga tcatgatgcc caacaagcaa agtggtgaag 360
 ctgccgccgt ctacggcgag caggaagatg aaattcaact ggctcaatgt ggtgaccaag 420
 tgcaattag actcaagggt atcgaggaag acgatatcct gcccggtatc gtgctgtgct 480
 caccaaacca acttgtgcac actgtcaccg aattcgaggc gcaaattccc attttgaagc 540
 ttaagaatat cttgaccgct ggctccaact gtgttcttca cgtccactcc gccattgagg 600
 aagtgcatt cgtagcctt ctacacaagc tacaaaaggg aaccaaccgc aagagcaaga 660
 acccacctac acacgccaa aagggcgaca gcattatcgg ccgcatgcag gtgattggcg 720
 gacangcgt gtgtgcgtgg agaagttcga ggactacccc cagatgggtc gcttcacatt 780
 gagagaccag gacaaacat cgctattggc aagatcacaa ggntcatctn tgacgaactt 840
 aaatgaatta tgaatgggtc tttgaatcac ctaggacacg aattattgtg acgnccaaaa 900
 ggatagtggt cattggca 918

<210> 36
 <211> 1316
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1316)
 <223> n = A,T,C or G

<400> 36
 aaacacaaca actacttctt tcttcaccaa aagaacctcc ttaacaaaat ggctcccatc 60
 aaggctcggca tcaacgggtt cggctcgatc ggccgtatcg tcttccgcaa cgccgtcgag 120
 cccccgaca tcgagggtgt tgctgtcaac gaccttttca ttgagcctca ctacgccgtc 180
 tacatgctca agtacgactc ttcccacggg ctcttcaagg gtgaggtcgg caaccagggc 240
 aacgacctcg tcgtcaacgg caagactgtc aagttctact ctgagcgtga ccccgccaac 300
 atcaagtggg ccgagaccgg cgccgactac gtcgttgagt ccaccggtgt cttcaccacc 360
 attgacaagg ccaaggccca tcttcagggc ggtgccanaa aggtcatcat ttctgcccct 420
 ccgcccagcg tcccattgtac gtcgtcgggt tcaacganaa caagtacgac ggntctgccg 480
 acatcatctc caacgctttt tgcaccacca actgectggc ttctttcgcc aaggtcatca 540
 acgacaagtt cgggtatcgtt gagggtctta tgaccacgt cactcctac actgccaccc 600
 aaaaaaaccc tcgatgggtc ctcgccaag gactggcgag gtggccgtgg tgctgcccac 660
 aaacatcatc cctccagca ccggtgccgc caaggctgtc ggcaagggtc tccctgagct 720
 caacggcaag cttaccggca tgtctatgct tgcctacc gccaacgtct ccgttgtcga 780
 tctgactgtc cgcttgaga aggggtgctt ttacgaccag atcaagcagg tcatcaagga 840
 ggctctgag ggtgacctca aggggtgctt ggcctacact gaggacgacg ttgtctcctc 900
 tgaccttaac ggcaacacca actcctccat cttcgatgcc aaggccggta tctccctcaa 960
 cgacaacttc gtcaagctgg tctcctggta cgacaacgag tgggggttact cccgccgtgt 1020
 cctcgacctc ctggcccacg ttgccaaagg cgatgcctcc aagtaagcgc agagcgtca 1080
 aggggctgga agcaaaaacca aacctaatga gacgcgacat gataaagatt ccagtcggtc 1140
 gtgtgtttta atgaagcaaa gaaatgaaag caaataaaaa taccaaaatc cggggagatt 1200
 gtcggagggg atgacaacga ggttggtatc atcggtcga gttcctact agacaattga 1260
 tcttagtata gccgtggaca gaaaaaatat agatccatcc ctcttgaaaa aaaaaa 1316

<210> 37
 <211> 1189
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1189)
 <223> n = A,T,C or G

<400> 37
 cttcatcaac acctcaacct ccatctcgac cgccaccttc gtcgacctcc tccccgggtt 60
 cgacatcgca ttccatacgg ccacagtcgc cgaatttatc tatctcacct aataatcaat 120
 ccgataacgc gccagtttcg ccgccaata tggctcctaa gaaggctgcc aacaacagca 180
 gcaagtccaa cgaggacgat ggatacacag ctggtaaaat ctactccatc tccgggtcctg 240
 tcgtcattgc tgaggacatg attgggtgtg ccatgtacga gttggtcaga gtaggacacg 300
 acaacctcgt tgggtgaggtt atccgaatca atggcgacca ggctctatc caggtttacg 360
 aggagacatc cggcgtcatg gttggtgacc ccgtctaccg aaccggaaaag ccttgtccg 420
 tcgagcttgg tcccggctctg ctcaacggta tctacgacgg tatccagcgt cccctcgagg 480
 ctattttcaa gatggccaag tccattttaca ttcccccgcg tatcgccgtt cctgccctcg 540
 accgcgaaaa gaagtgggag ttacacacct tcgtcaaggt cggcgaccac ctctctggtg 600
 gtgatgtttg gggttccgtc tttgagaact ctttcttgc caaccacaag attctgttcc 660
 ctctcgcgc ccgaagaaat cgttaccat atcgctccc agggcgagta caccgttgtc 720
 gacaacatcc tcgaggtcga gttcgatggc nagaagaccg agtaccat gatgcagtc 780
 tggcctgttc gagtgcctcg tcttccaac gataagaatc tgccgatcag cccttcattg 840
 tcggccagcg agtctcgac gcccttttcc ccagtgttca nggtggtagc gtcgccntcc 900
 ccggtgcttt cgggtgtgga aagactgtca ttagtcagtc tgtgtccaag ttctccaaca 960
 gtgacgttnt tgtctacctt ggttggtgtg agcgaagtaa ccanatggct gaagtcttga 1020
 aagatttccc cnancttacc atttaagtcg acngccgcca ggagcccntc ctgaacgaac 1080
 cacacttatt ggcnaactt ccnacatgcc cgtcgtgcc cnaaaaactt ccatttacnc 1140
 nggaaattac gggggctgaa tatttccgcn atcagggtct cagtcctcc 1189

<210> 38
 <211> 1105
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1105)
 <223> n = A,T,C or G

<400> 38
 ctggaaggac atcgtcacct tcgatggtcg tgctgaccac cctgccaagt ctcaggactc 60
 gatcgagaag atcatggcca acatgcaaaa cacaagcaag gccaaaggaat cctctgggtga 120
 acctgattac aagaagggtca ttgctgaaac tgtcaagcag gagggcaagc ctactgagta 180
 caaatttgag gagcgagatg ttatcctcta taaccttggt gttgggtgcta agcgcaccca 240
 ccttaagtat acctttgagg gctctgaaga cttccagggt cttccactt tcggagtcac 300
 ccctcctttc aacgcccaga tgcctttcaa ctttgacgac attgtgcccc acttctctcc 360
 catgatgttg cttcatggag aacagtatct cgagatccgc aagttcccta tccccaccaa 420
 cgctcgtctt gttagccgag gtgcctcctt cgaggctcgt gacaagggtg atgcttctgt 480
 tgcccgaagc tccaccacta ctggtgacgc caacactggg gaggatgtct tctacaacga 540
 gtccagcgtc ttctcccgcg gtacagggtg ctggggcggt cccaagcgtg gtgcccagccg 600
 cgggtgccgc actgctgcca acaagccncc tgctngcgt cccgatgtcn tcgtcgagtc 660
 cccacacac gatgaccagg ctgntatcta ccgctgagc ggcgactata accctctcac 720
 atcgatcccg agttngccaa ggttgggtggc ttcaaggccc ccattctcac ggcctctgca 780
 gcttnggtgt tgccgaaag gccgtctacg agcgcttcgg tgctttcaag aacattaaag 840
 tccgcttcgc tgggtgtgtt atccccggcc agaccattgt cactgagatg tgggggtgagg 900
 gcaacagaat tatctttcag tccaagggtc aggaaactgg caagcccgtt attgccggtg 960
 ctggccgttg acctaaaggac cgaccggtaa gagcaagctt ntaaacaaac attggttctt 1020
 cacnggagtt tgnaaggga tttggggaaa ntcaaaatgn ccnggggggt tggacctttc 1080
 aatctganag ttaaattgtt gctgg 1105

<210> 39
 <211> 977
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(977)
 <223> n = A,T,C or G

<400> 39
 natttttnt ccttaaatat cctcatcttt tcaaattgnt tgggtccaaag tggacggttt 60
 tttaacaatn aaaaagcgct tccaagcttt ttggtaagtc gaagnagggc ttcttttttg 120
 cttttcccn actgggttaa ggctgntacc caaaaagttc gaatttcaa atngctnggt 180
 caaaactaat cctgacaatg ctttcgaacc ccaagtattt ggaatnatgg gcaatggcca 240
 tttctacatc gaggtggata ttggcgaccg ggtatcatcg atggcataca atctaagaaa 300
 acaatctact ttcttacct ttntgggctc tacatgaatg gnaacaccca catggatggg 360
 cctgctggng gtaagcaatg ncccaatggg tcctggaact aagttttaca tacaacttca 420
 ctggtgatca agcccggcac aaactgggta tcacaagtca cactgcagca caatatccag 480
 acggtctacg cggggcccttt atcggtcacg ataaagactt cccgtatcaa aagaaatacg 540
 atgaagaggt tatcctcaca ctttctgatt ggtatcatga tgaaatgcgg tcgctcatac 600
 cacaattcat ggccaagtca aatccttcag gcgcccagcc tgtgcctaag aacgccctca 660
 tgaatgaaac cacaaacttc acaatgcctg ttcaaccgga aaagacatac ctgttccggg 720
 tgatcaatgt cgggtgcttt gcagggtcaat atctctgggt tgaagggcac aaaaatgcgaa 780
 tcgtcgaggt tgatggcatt tacaccgagg aagctgaggc agaaatgatc tacatctcgg 840
 ctgcacaacg agtcagtttt cttttaacta ccaagaacga cacttctaaa aacttcctat 900
 tggtgctagc atggacactg tgagtaaact ccctcaaat gatcacaggg aaagtaccac 960
 aacatcttag actcttt 977

<210> 40
 <211> 1299
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1299)
 <223> n = A,T,C or G

<400> 40
 ctccctcgccg cctgcatcgt ctacggaacc gagaacatga actccatgaa gtcttaccag 60
 atccccatcg gtatccagtt cccctgggct gtcatectcg ctgtcggctt tttcttcctc 120
 cctgactctc cccgatactt tgtcaaagcg cgggtcaaact gaaaaggctg tcgacgctct 180
 cgcccggtgtc cgtgggtcagc ccaaggactc caagtacgtc cagtctgaga ttgccgagat 240
 tgtcgccaac gaggagtacg agcgccaaat cattccctcc acctcttggg tcgggtcttg 300
 ggccaactgc ttcaagggtt ctctctggga tggcaagtct aaccttcgcc gaactatcct 360
 cggtaacttt atgcagatga tgcagcagtg gactgggtgc aacttcatct tctactactc 420
 tactcccttc ctcaagtcga ccgggtgccat tgacaacgtc ttccctcatct ctctcgtctt 480
 cacactcgtc aacgtctgct ctactcctct gtctttcttg actggtgagc gattcgggtcg 540
 ccgatccatc ctccctcatcg gtgctcttgg tatgcttacc tgccagttcc tcgtcgtctat 600
 cattgggtgtt accgtcgggt ttaaccacac ccacgcttcc cccactgagg ccgaccccca 660
 ccgcatgata gccacaaca tcagcgctgt caacgcccag attgctttca ttgccatctt 720
 catcttcttg ttgcctcca cctggggccc tgggtgcctgg atcgtcatcg gcgagatctt 780
 ccccatcccc atccgatctc gtggtgtcgg tctctccacc gcctccaact ggctctggaa 840
 caccatcatt gctgtcatca cccctacat gggttggtgag aaccgaagca acctcaagtc 900
 ctccgtcttc ttcatctggg gtggtctctg cacctgcgct ttctgtctaca cttacttcct 960
 cgttcccgaa aacaagggtc tgtctctcga gcagggtgat aagatgatgg aagagacact 1020
 cccgaanctc tgccaagtgg agacctcatc agaactttgc ccagaccatg ggtgctgggtg 1080
 atgttaagat cgtccccaag accgagcatg acgaccacgt ctaancttgt ctgcacacaa 1140
 gtcttgttat ttgtttgatg tggaggaaag ttttctattt taattatacc tgaatgtttt 1200
 ggaggtcatg gtgttatgat ctaagatgat gagaacgcgg aagtatattg aaaaataatg 1260
 tgtatatatc tcaaacagaa ngaaaccaac atnttttct 1299

<210> 41
 <211> 3203
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(3203)
 <223> n = A,T,C or G

<400> 41
 tacagcccat catgtacttc gtttcttccg ctttctctct cggctcattt gctctacaga 60
 gcgtcttggg ccgaccagcc ctacaagaaa aggcaatctt ctctcgaatc cttcatcaat 120
 tccgagagtt cgattgctat cgagcaactc ctgtgcaaca ttggttctga tggctgtcac 180
 tctcagggtg ttgcttccgg tgttgttatt gcgtctccag ataccgagga cctgactac 240
 tttttcactt ggactagga tgctgctctt gtctttaaat atgttataga taggttcatc 300
 aaccagtacg acgctggcct gcagaaaaag atccaacaat acattgcac tcaagccaag 360
 cttcaggagg tttctaacc ttcaggatcc ctctcagacg gttcaggttt aggagaagcc 420
 aagtacgagg ttgatcttag cccctttact ggtggttggg gtcgacctca gcgagacggt 480
 ccagctctcc gagctactgc catcatcacg tatgctaact ggctgattga taacggatac 540
 acttctaccg cctctgacat tgtttggcct gttgttcgca acgatcttaa ctatgtagct 600
 caatactgga accaaaccgg ctttgactta tgggaagagg tcaggggaag ttcgttcttc 660
 acaaccgctt ctacgtaccg agctctcatt gaaggcgccg ctctggccaa aaagctcgga 720
 aaatcaggag acacttacac cactatcgca cctcaggctc tttgcttctt gcagacttac 780
 tggattccct ctggcaataa tgttgattcc aacatcaatg tcaacgatgg acgtactgga 840

aaggacgccca	acagtattctt	cacatccatc	cacaacttcg	accctgccct	gagctgcat	900
gccgctactt	tccaaccatg	cagcgataag	gccctcgcca	accataaagc	agttaccgat	960
tctttccgct	catggaacat	caacaaggga	atctcccagg	gaagcgcgta	tctgttgga	1020
gatacatcga	agattttatt	acaacggtaa	cccttggtac	cttgctacgc	tcgctgcggc	1080
tgaacagctc	tacaatgctc	tttactctgg	aagcaaaang	gatccatcac	tgtcacactt	1140
ttctcttttc	tttctcatcc	aagatccttg	ctctgagata	ctctgcctcg	tcacttgtag	1200
acgactatct	accccttact	agcatcatac	tataatcacc	atccacaagt	ccacatcaaa	1260
actctacaat	gtctgcgcga	atcccagcca	ttgctgccaa	ccgcgttagc	gatgctgcca	1320
agaagcagct	tgacctcgct	gccaaagtct	ttgaggaaga	atgcattcct	gccgaccctg	1380
tagtagaagc	ccttgctggc	gaggggtgat	cccgtggga	aggccacca	tctatcattg	1440
aggacttgaa	ggaaaaggcc	cgcaagcttg	gtctctggaa	catgttcctc	cccaagggtc	1500
actacaagga	gtcgctggc	tggactaacc	ttgaatacgg	cctcatggcc	gagtggttg	1560
gtcgctcaca	cgctgcctct	gaggttgta	actgtgcgc	ccctgacacg	ggtaacatgg	1620
aggtattggc	caagtaacgg	aatgacnccc	anaaggcgcc	gtggttgaaa	cctcttatgg	1680
acggcaaaat	ccgctcagct	ttcctcatga	cagagcccca	ggctcgcttc	tcagatgcca	1740
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ggtggtccag	cggcgctggg	gacccacgat	gcaagactta	catcggttat	ggcaagacag	1860
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acggacatct	gacattcaac	aacgtgagag	tgctgcctc	taacattgtg	ctcggagagg	2040
gacgtggatt	tgagattatt	cagggctcgt	taggacctgg	ccgtattcac	catgctatgc	2100
gcagcattgg	tgccgctgag	ncgctcttga	ctggatgctc	ctccgagtca	acgattactt	2160
tccaagaatg	ccattctggc	aaatcctccg	cgagcacggg	cgttattctt	gcatggatgc	2220
tgccaagtc	gcgtcgagta	tcgcccgtgc	tcgtctcatt	gatcttcacc	gccagcaagc	2280
ccttgattgg	ccaaggagga	cagttttcca	aacccacctt	agcttccctt	tctctcgagg	2340
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aatgaggcca	attgacagat	gctttcaaga	aagagaaccc	aaacagcgag	acaatcccga	2520
gagtcactgc	tcactatgca	gacgtctctg	accctgactc	tgtaacaaac	tgtatcgccg	2580
agatcctcaa	cattcatcat	aagatcgatg	gtctagtcac	gtcggctggc	ttcacggaga	2640
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acggtactta	cctctttgca	gttgacgttg	ccaaacatct	catggaacgc	caggtacctg	2760
gtagtatcgt	ggttattgga	agcatgtctg	gtgctattgt	caatgttcca	cagccacagg	2820
caccatataa	cgcgccaag	gcagctgttc	gtcacctggc	tgcttccctc	gcagtagagt	2880
gggtcacgc	tggaatccga	gtcaactgta	tctctcctgg	ctacatgttg	actgctctaa	2940
cgcagaagat	tctgaacgat	aacccagata	tcgagaggac	ctggacatct	cttattcctc	3000
agggacgtat	gggactacct	caagatctga	tgggtcctgt	gacctttttg	ttgcagatgc	3060
gtcttcttac	atgactgggg	cagatcttag	agtagatgga	ggatatactg	tgacctantt	3120
gcaagaaatg	atgttctcta	tgattacttg	ccggcagaag	atagacaata	taattatagt	3180
gttnggtccc	tctgaaaaaa	gaa				3203

<210> 42

<211> 859

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(859)

<223> n = A,T,C or G

<400> 42

ggcttagcac	tgattccaac	caagttcggg	atctctttca	cggttttggt	tctgaaccag	60
gccggagcat	tggtacacat	ctatcacgat	ggttcagttc	tagtagctca	tggtggtaca	120
gagatgggac	aaggcttgta	cactaagctc	actcaaattg	ctgcacaagc	attgggtgta	180
ccactggaca	acgtcttcat	ctcagaaact	tcgacgaata	cggtggccaa	cgcatctgca	240
acggctgcgt	cggtctcttc	agacctgaac	ggatatgcca	tcttcaatgc	atgcgaaatg	300
ttgaacgagc	gattggcgcc	gtacccgaaa	gaagctttgg	ccctgaggcg	acgatgaaag	360
aacctcgcca	acgccgnnta	ctttgaccgc	gttaaccttt	cagcgcaagg	tttctacaag	420
acccctgaaa	ttggatatga	ctggaccact	ggcaagggca	agatgttctt	ctacttcact	480

caaggagttg	cggcagctga	ggttgaggtc	gatttactaa	ctggaacctg	gacatgcatt	540
cgggcagaca	tcaaaatgga	cgttggccag	tccataaatc	ctgcaatcga	ctacggccag	600
atccagggtg	cttttgtcca	aggtctcgg	ctctttacga	tggaagaatc	actctggttg	660
cggaacggcc	caatggcagg	tcatntnttc	acgcggggac	ctggagcata	caaaatccct	720
ggcttnccag	atattcccca	aacgttcaat	gtgtccttnt	caangaccgt	ggagtgggaag	780
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ntttgtnttt	ttcnccatc					859

<210> 43
 <211> 957
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(957)
 <223> n = A,T,C or G

<400> 43						
caccgatacc	accgagatga	agacaaagat	tgttgaggag	accaagaagg	aagagcctaa	60
gaccgctcct	gcccccgga	ttaaggctga	ggaagccgac	gagcccctcc	ttcaagaaaa	120
ccctcagaga	tttgttctct	tccccatcaa	gtaccatgag	atttggcaaa	tgtacaagaa	180
ggcagaggcc	tcctttctgga	cagccgagga	gattgatctt	tccaaggatc	tccacgactg	240
gaacaaccgt	ctgactacag	atgagcagtt	cttcactctc	cacattcttg	ctttcttcgc	300
tgctccgat	ggtatcgtca	acgagaacct	tggtgagcga	ttcagcggcg	aggtccagat	360
ccccgaggct	cgatgcttct	acggtttcca	gatcatgatg	gagaacatcc	actccgagac	420
atactccctg	ctcattgaca	cctacatcaa	ggagcctgcc	caaagaacat	acctcttcaa	480
cgccgttgat	actattcctt	gcattccgaa	agaaggcttg	actgggccat	tcgatggatc	540
caggacaaaag	actcctcatt	tgtcacaagt	cttggtgcct	ttgctgctgt	tgagggtatc	600
ttcttcagcg	gtgcctttgc	ctccattttc	tggtcacaag	agcgtggcct	catgcctggt	660
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atgaactcca	acctcatgaa	cagtacatcg	agttcgnngc	tgatcgtctg	ctcgttgctc	900
tcggcaacna	aaaggtgtac	aaggccacaa	accccttnga	ctttatggan	aacatct	957

<210> 44
 <211> 2780
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2780)
 <223> n = A,T,C or G

<400> 44						
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gtcttgatac	acaactctct	acctcaactg	tgtttcactt	cttcacaatc	aacctgctca	120
acgttgagcc	atcaccagaa	ccaattctca	aaacattcaa	ttgacataac	cacatcttct	180
tctattctca	atcatcatca	tgtcttctca	ttacacttct	gtgggctact	ccatgcctct	240
tcccgctccc	tccaagggct	cgcagtaccc	cacctacagt	caatattctg	tctcgcctcc	300
ggaatgtgat	gactcgggta	gctccgcctc	gggcatcccc	tcttacagca	atggngggta	360
ctcggctacc	tcgtccggct	acacatactc	tggcgggatac	aacgactatg	agagcactcg	420
ctctgctagc	ggcgtggact	tccaggagta	catgcaggac	cgctttgccca	actccttcga	480
cccaatccct	cttgaccgca	gcatggctat	gcaagctcaa	gacatccgga	aaagatgaac	540
gccaagcacc	gagaagctca	tggagctgca	aaagaaggcg	caggctcgtn	ttgcaaagac	600
acgagagcgc	ttccaggagg	gtatgcgcga	tgctcatgag	gtccgcagcg	accttgaatg	660
gacacaaaag	aaagtcagct	cgtcgaagac	caaggcttct	cgcaaacatg	gcaaggagta	720
cagcaaggct	cgcgcccggt	acccatctcc	tgagaactag	attctctaga	tttcactttc	780

tttggagcgg	catctttact	tttacaacaa	aatttccttt	cagcgagcaa	cttttattcg	840
caatcaactc	accaaagttt	cgcacataaa	acacgttttc	cgcagaaaat	gcggaacgcg	900
aaaaaantcg	gattttctgat	atctcaattg	agatcttggt	tactatttaa	ttttacgagc	960
atcccacgac	acccacatgt	tcaacgtgca	tgaacgagta	gttcatgcaa	ggggaatgtg	1020
aggtgacgtt	agaatcaagg	gcactaagcg	cggcaaattg	agcccgctgg	cgcgagggtc	1080
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aacctcgcg	ccactggagc	cagtgtgggg	gaaagacgca	aaaaaagcga	gaatgggcga	1200
ctgtttcacg	acttacgggt	tatgattgga	tgaactgaac	gatttagggg	cgattgttaa	1260
aagtacacct	cctcccaagc	atctgtgggg	gtgttagggg	atagcgtcag	caggttggca	1320
ncaaaacatg	atgtgtcggc	accnattgct	gcaagggcag	caggttggc	agcatctctg	1380
gagtatgggt	gacgcggnaa	cagccgagga	ttgcaaagtc	naccgacttg	tcgggttcgt	1440
tgaggggtgt	gtattgagtg	atataccag	ggaaccacta	caaagacgat	gacggtttgg	1500
aaaatagtag	cgagtttgca	aatgtcagtc	aatttcggac	gcttgcccta	atcagttggg	1560
aggcagcaat	gtnaagaacn	tgctcaatag	gctttaatgt	tcactctgga	gagctcaaaa	1620
ctgatgaagc	tccttcgaac	ttgggcaagg	ctaagggtct	cgaaaaaat	tccttgccgg	1680
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tcttctgggt	gtactgcttg	gcgaagtagt	tgatgacacg	ctggctgaaa	tcctcaccac	1860
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tcttgtaag	accgtaggcg	atagcggcgg	cgggtgggctc	gttgacaatt	cggaggacgt	2040
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cggggacgggt	aacgacggcg	tgggtgacct	tcttaccgag	gtagccctca	gcgacctcct	2160
tcacttttcc	aagaaccata	gcagaaatct	cctcaggagt	gaactgcttc	ttggcaccat	2220
cgacctcaac	ttggacgacg	ggacgggtcat	cacgggtgac	aaccttgaag	ggaagtgcct	2280
gatatctccc	tggaggggtc	tctcgagata	cctgcggcca	atgagacgct	tgatatcgta	2340
gatcgtgttg	gtgggggttag	cgncggcctg	gttcttgncg	gcgtctccaa	cgagacgctc	2400
atcctcgggtg	aaggcgacgt	aggaaggagt	aattcgggta	ccctgatcgt	tgacgagaat	2460
ctcgaccttg	cccttctgca	tcacaccgac	acagctgtaa	gtagttccca	aatcaatacc	2520
aatgacagtg	ccgtagctgt	caacatcgtc	agcctgaacg	gtctgaacga	aggcgagagg	2580
agagaagagg	agggcgatcc	aacaaaggag	tcccaggcca	agggccattg	agctccttga	2640
acgagccatg	atgagctctg	tgtatgtagt	tgctttactg	attggaagtg	caacaagact	2700
ttatgatggg	aaaagaaaag	aaaaacaaat	caatctatga	tcaagcaaag	gctgtntctt	2760
gccttgacac	cagattttat					2780

<210> 45
 <211> 1278
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1278)
 <223> n = A,T,C or G

<400> 45						
cgggtggtaac	gaggaggcct	gnccccacat	taaggacatc	ttccaaagca	tctccgccaa	60
nagcgatggc	gatgcttgct	gtgagtggtg	tggcnacgag	ggtgctgggtc	actacgtcaa	120
gatggtccac	aacgggtattg	agtacgggtga	catgcagctc	atctgcgagg	cttacgatat	180
catgaagcgc	ggtccttggcc	tctccagcaa	ggagattggc	gacgtcttcg	ccgagtgga	240
caagggtggt	ttggactctt	tcttaatcga	gatcactcgt	gacattatgt	actttaacga	300
cgacgatggc	actgctctcg	tcgagaagat	cctcgacaag	gccggccaaa	agggtagcgg	360
caagtggacc	gctgtcaacg	ctctcgacct	cggcatgccc	gtcactctga	tcgccgagtc	420
tggtctttct	cgatgcttgt	ccgccatcaa	ggacgagcgt	gccgccgcct	cctccaagct	480
tgagttcgtc	agccgaacca	ccaagttcga	gggtgacaag	aagcagttca	tcgacgacct	540
cgagcaggct	ctctacgcct	ccaagatcat	ctcctacgcc	cagggcttca	tgcttatgca	600
ggaggctgcc	cgtgagtacg	gctggaagct	taacaagcct	tccatcgccc	ttatgtggcg	660
aagtggctgc	atcatccgat	ccgtcttcc	caaggacatc	acccacgcct	accgcagcca	720
gcctgacctc	cagaacctcc	tggtcgacga	cttcttcaac	aaggccatcc	acaaggctca	780
gcccggctgg	agagacntta	ttgccaaggn	tgccctcctt	ggtatcccta	ctcccgcctt	840

ctctaccgct	ctgtcttggg	tcgacgggta	ccgcaccaag	gacctccccg	ccaaccttct	900
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cgagaagtac	cccaacggcc	aggacattca	cgtcaactgg	actggtcgtg	gaggtaacgt	1020
ctccgcctct	acttaccagg	cttaaacggc	ccagggtaaa	gagaaggaat	catgataggt	1080
taagaaatga	ataccgcggg	cccgtacgaa	gctcgatagc	tgcgctttat	aaaaaaaaat	1140
ccgtgattag	gaacgcagga	ataacgcttg	gcgctgcagg	gataatgatg	aatgagctgg	1200
tatggattta	gaaagctcag	tggtatgacat	ccgggttcgt	gttanaaccc	aaacngagaa	1260
ataaaaaatn	ttncaaat					1278

<210> 46

<211> 614

<212> DNA

<213> *Fusarium venenatum*

<400> 46

cccaaccccc	acaccaacta	cctattcatg	gggtgactatg	ttgatcgagg	ttactactcc	60
gtcgagaccg	tcaccttctt	cgtcgccctc	aagatccgat	accctcagcg	aatcaccatc	120
ctccgaggaa	accacgagtc	ccgtcagatc	actcaggtct	acggtttcta	cgacgagtgt	180
cttcgcaaat	acggaaacgc	taatgtctgg	aagtatttca	ccgacctctt	tgactacctt	240
cccctcactg	ccctaatacg	caaccagatc	ttctgtcttc	acgggtggct	ttctcctagt	300
atcgacacac	tcgataacat	ccgagctttg	gatcgatatcc	aggaagtccc	acacgagggg	360
cccatgtgtg	accttctctg	gtcagacccc	gacgaccgat	gcgggtgggg	aatttctcct	420
cgaggtgcgg	ggtatacatt	cgggcaggat	atctcagaag	ccttcaatca	caacaacggc	480
ttgaccttga	tcgcacgagc	tcatacagctg	ggttatggag	ggttacaact	ggtcccaaga	540
ccgtaatgtg	gttaccattt	tctcagcacc	caactactgc	tatcgatgtg	gtaatcaagc	600
cgccatcatg	gaaa					614

<210> 47

<211> 1928

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1928)

<223> n = A,T,C or G

<400> 47

caatttcacc	ggtcgacgcc	ttctgtcgtt	tttattccgg	tcttcatcct	tctttccttt	60
tcaaccccaa	ctctctcgct	attgggctta	ttctagtttg	actgtaattc	aacaaccact	120
caccagatac	tctcattttac	acaatacaac	gcttccggtt	cgatttttga	ctcttttttt	180
cccttctttt	tctacaacaa	tttctcaatc	aactccagta	atttcgaccc	attacattga	240
tccaacaaat	tcacaatgaa	gtctgtcgct	cttctctcag	tcttggcggc	tgctgcctct	300
gccaccccta	ctctcaagga	gcctcccagc	aagcgtggat	cccttcctac	cgtcactgct	360
tcaggcaatg	ctttctgggg	cggtaacgag	cgtttctacc	tccgagggtat	tgactaccag	420
cctgggtggg	cctccgctaa	tgaggatcct	ctggccgacc	ccaagatctg	caagcgtgat	480
atcaagtact	tcaaggagct	cgggtgtcaac	gttattcgcg	tttacgccgt	cgacaacaag	540
gccgatcacg	atgagtgcac	gaaggcgctc	gacgatgctg	gcattctacct	cgttctcgat	600
gtcaacaacc	ccaagtactc	catcaaccgt	gccacccccg	gtccttcgta	caacgccgcc	660
tacatccaga	gcgtttttcg	tactgtcgag	atgttcgccc	aagtacgaga	acaccctcgc	720
ttttcttctt	ggtaacgagg	ttatgaatga	cgagaaggac	accgacaagt	ccgctcctta	780
cgtcaaggcc	atcacccgcg	atatgcgaaa	ctacatcaag	gcccgcgaagc	ttcgcaagat	840
tcccgctcgg	tactctgctg	ccgatgttgc	ctccaaccgt	atgcagactg	cccactacat	900
gaactgcggg	tccgacgaag	tccgatccga	cttcttcgct	ttcaacaatt	actcctgggtg	960
caacagtgac	ttcaagaact	ccggctggga	tgtcaaggct	aagaacttca	ctgactacgg	1020
tattcctatc	ttcctgtctg	agtatggctg	cattgagagc	cgtccccgta	agtttgagga	1080
aatcaagccc	atgatggact	ccgacatgtc	ctctgtctac	tctgggtggtc	ttatgtacga	1140
gtactctctc	gaggacaacg	actacgggat	tgtcaagatc	aagggcaata	ccgttcagcc	1200
tgaggacgag	ttcgacctct	tcaagtctgc	tctctccaag	taccctgctc	ccactggcgc	1260
cggcggtgcc	gccaaaggct	ctcacgggtg	cgagtgcgcc	aagtccgant	ctgtctggca	1320

agtcgacccc	agctacctcc	ccgagatgcc	tgcacaggcc	gagaagtaca	tgnaaggacg	1380
gtgctggcaa	gggtcctggg	atcaacggcg	acggttctca	cttcgacact	gacagcggta	1440
ctgccaccgc	cagtgttgcc	gttggnacct	ccacatccac	cggcgaaactc	ttcctcatcc	1500
aactctgagg	atgaacgatg	acagcggggc	cgctaccett	cggcttttcgg	ggctctctat	1560
gtcaaccggc	gctgccaaat	tcttcaaccc	tcttctggaa	cccttcttct	tgtaaaatag	1620
cagaatttgc	tatgaaatgg	cttgcttttg	ttaagtttag	ggattggccc	ccaaagctat	1680
gatttaggcc	tccccgttgg	gttcatgata	atcacataaa	gatgttggtg	acgagcgctt	1740
gattagctgc	gctggggtatg	tccgggttcgt	attttttcaa	caggagcatt	ggcgtctagc	1800
cttgggaagg	cagacaaatg	attataatgc	tatctgggcg	attatcgcc	ttgtcatttg	1860
agttaaaaga	agttcgggtgc	ggaaacacaa	tcagtagact	tttcttaaac	taggncatga	1920
atttgccg						1928

<210> 48
 <211> 1563
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1563)
 <223> n = A,T,C or G

<400> 48						
agaagagatt	taaatcaggt	atcgacgcct	gatctggaga	tcctgccata	tcaattccac	60
attcgcgaga	acgagacgca	actatggctg	atgctgctgc	ccctccgacc	gagcagggtg	120
ccaacctgca	cctcgacgag	gtaactggtg	agaagatctc	caagaccgag	ttgaagaagc	180
gccagaaggc	ccgccagaag	gaggaggaaa	agaagaagaa	ggctgccgag	cgtgggtcctg	240
ctcctgctcc	caagaaggct	gccggtggtg	ctgaggctgc	tgagaaggac	ctacccccaa	300
ccagtacttc	gagatccgat	ccaggaacat	caacaagctc	cgcgagacca	agagcccaac	360
cctatcttac	aagttcaatg	ttacatacga	cctgcgaaag	ttcgtcgagg	agtttggtca	420
cctcaagtct	ggcgagcacg	ccaaggacaa	gatcattcaa	attggtgccc	gtgtccacgg	480
aaagcgagca	tctggcgcca	agctcctctt	ctacgatgtt	cgaactgaag	gtgtcaaggt	540
tcagatcatg	tgccaggctc	aagagggttcg	cgagggagct	ccttcttttcg	aggatcagca	600
tgaacacctc	cgccgaggtg	atatcatcgg	cattatcgga	tacctgggtc	gaactgcccc	660
caagaccaag	attgagaagg	gtgaggaggg	tgagctgtcc	atcttcgcca	ctgaggttgt	720
tctcctgact	ccttgctctgc	acgcccttcc	cgatgaccac	tacggcttca	aggatctcga	780
gcagcgatac	cgcaagcgat	acctggatct	catctgcaac	gagaaggccc	gtaacgtctt	840
catcacccga	tccaagatga	tcacctggat	tcgccgatac	ttcgacgagc	gtgacttcgt	900
cgaggttgag	actcccatga	tgaaccaa	tgctgggtgg	gctaccgcca	agcccttctc	960
cactcaccac	aacgagtttg	atattccggt	gttcattcgt	gtcnccctctg	aactctacct	1020
caagatgctt	gtcgtcgggt	gtntcaaccg	cgtgtacgag	attggacgtc	anttnagaaa	1080
tgagggtgct	gatcttactc	acaaccctga	attcaccacc	attgaattct	acgaggccta	1140
cgcgagcgtg	ancgacctga	tgaagaccac	tgaggacatg	atcttcgggtc	ttgtaagtac	1200
ctnactgggtg	gctatacgac	tactttccat	actcagagtg	gcgagaagta	cgangtcagc	1260
tgggaggcac	cctggctcna	tatgagatga	ttaccatctt	gangaggcta	ctggcgagan	1320
gttcccttct	ggtagaccagc	tccatactca	agaanaccaa	cgaagtctct	caagaagggt	1380
ctnaanaaga	tgaacctgga	gtgcacacct	ctttgaccaa	cgcccgcat	attgacange	1440
tggttggnn	aagttcatcg	aggagaantg	ggtcacccct	cttttattac	tgggccaccc	1500
ttnagggnat	gagccctntc	gccaaagtacc	accgtgagac	ccccgggtctg	ngngagcgat	1560
nca						1563

<210> 49
 <211> 1670
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1670)
 <223> n = A,T,C or G

<221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 51
 gaaagctgac catcaagaca accgacatgg aggcagttta tgatatgggt agcaagatga 60
 ttgacgccat gaccaaggag cgcgttatgg ctggcgatat catctcgatc gacaagtctt 120
 ctggcaagat caccaaaactc ggccgatact acgctcgatc tcgcgattat gatgccatgg 180
 gcgtcgatac aaaattttctt caatgccccg acggagaact tcagaagaga aaagaagttg 240
 tgcatactgt gactcttcac gaaatcgacg tcatcaactc gaggacacag ggcttcttgg 300
 ctctattttc aggcgatact ggagagattc gcagcgagat tcgagatcaa atcaacacca 360
 aggttggcga gtggaaggaa gagggcaagg ccgagatcgt tcctgggtgtg ttgttcattg 420
 acgaagttca catgcttgac attgagtgt tctcatacat caatcgagct ctcgaggacg 480
 atctggcccc tgtagtcat atggccagca acagaggcaa ctacgcatt cgtggtactg 540
 attatcgaag cctcatgga ctgccccctg actttttgga ccgagtttcc atcatcaaca 600
 cgcactccta cacacccgag gagatcaagc agattctatc tattngagcg caagaagaaa 660
 taggtcgacg tacacccgng acgctctcgc cctccttaca aagatcggcc aagangcggg 720
 tcttcgtaca ccagcaatnt tatcaccac 749

<210> 52
 <211> 1283
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1283)
 <223> n = A,T,C or G

<400> 52
 ctcaaccaa ctttccacga tacatacgac ttaataccat tcatcatgtc ttcattctctc 60
 gagcagctca aggccaccgg cactactggt gtgtccgact ctggtgactt tgtctccatt 120
 ggcaataca agcctcagga tgctaccacc aacccttctc tcattcctcg tgcttctaag 180
 aaggaggagt acgctaagct gatcaacgtc gccatcgact acgctaagca gaagggtggc 240
 tctatcgacc agcaggttga tgatgccccg gaccgtctcc tcgttgagtt cggcaaggag 300
 attctcaaga tcatccccgg caagggtctcc acagagggtg acgctcgtta ctctttcgac 360
 accgaagcct ccgtcaacaa ggctctccac cttattgagc tctacggtga gcagggcatc 420
 tccaaggacc gcattctgat caagatcgct gccacctggg agggatatcaa ggctgctgag 480
 atcctccagc gtgaccacgg natcaacacc aacctcacc tgatgttctc tctcgtccaa 540
 gccatcggtg ccgccgaggg tggcgcttac ctcatctcac ccttcgtcgg ccgtatcctt 600
 gactgggttca aggcctccac caagaaggag tacagcaagg agggagatcc tgggtgtccag 660
 tctgttaagc agatcttcaa ctactacaag aagtacggct acaacaccat tgtnatgggc 720
 gcctnattcc gaaacactgg cgagatcact gagctcgctg gctgtgacta cctgaccatc 780
 tctcccaacc tgctcgagga cctcctcaac tcctccgagt ctgtcccca gaagctcgat 840
 gcttctcang cctcttctct agacatcgag aagaagctt acatcaagga cgaggctctc 900
 ttccgcttcg acttcaacga ggaccaaag gctgttgaga agctccgaga gggatatcagc 960
 aagttcgctg ctgacgctgt aactctcaag ggcacacctc aggagaagct tgcctaaatt 1020
 tctacgcacc tgaaggggta aagaaaatga tttnaaaagt taaaaaactc ccgtccaagg 1080
 aagaaacagt atttgagttg attgcgaaca atgagcttgt tntgctgcn ggcgatcttt 1140
 attgaanggt gccgattatc cacatacctc tntntctaaa acccctacct cnnttagtga 1200
 angcatngg gattaacggn tgataggaca tcanatgtcc tggaacanat agngctcata 1260
 acnaattgaa cacccttcc ccc 1283

<210> 53
 <211> 661
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(661)
 <223> n = A,T,C or G

<400> 53
 cgagtactgg atttctcaca acttgtccaa ggcctttgag agtttggtcg gctccggttac 60
 ttgtttgcct ggttggttct caatgtatcg aatccgcgct gctgagactg gcaagcctct 120
 gttcgtcagc aaggaaattg tgcaggatta ctctacaatt cgtgtcgata cccttcacat 180
 gaagaatctg cttcaccttg gtgaagatcg ataccttacg actctgctcc tcaagtacca 240
 cgccaagtac aagacaaagt acctctacag cgcgcaggct tggactattg cccccgactc 300
 ttgggctgtc ttctgtctc agcgacgtcg ttggatcaac tctacagtgc acaacttggc 360
 cgagcttatt ccccttgcca gctttgtggt ttctgttgtt tcagtatgag attcgtcgtc 420
 tttatcgatc tcttgagtac tattgtccac ctgncattgn tatgtacatt tgggtacctg 480
 atttatcagg tgcggtccaa ccccgccgtt gtgccatca aagccttctt ggtgcttgc 540
 gctatctacg gtctgcaagc cattatcttc atcttgccgc gccaaagtga aaaggtggtt 600
 gatgncatgt catgtgcatt tccggttttc tttgttngct ttacctttgg gtatggtgat 660
 t 661

<210> 54
 <211> 960
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(960)
 <223> n = A,T,C or G

<400> 54
 ctccccctcaa tctcagagcc ctccctccct ccacatcatc acaatggctt ctcgcaatat 60
 ctcaaaggcc ctccgtggcc ctgcccggca gcttgettcc gctccccgtg ttcagcagcg 120
 aactttcgtc tctgctgctc gcgctgctgt ccgtgctggt gctgttgccc gacctgttgc 180
 tgctcctatc cagcagcagg ttctgtggtg caagaccatg gactttgccg gccacaagga 240
 ngangtctat gaacgtgccg actggcccca agaaaactcc ttgagtactt caagaacgan 300
 actctggccc tcatttggtt cggatctcan ggtcacggcc agggctctta cctccgtgac 360
 aacggcttaa cgtcattgtt ggtgttcgaa agaacggaaa gtctggaaag acctgaacaa 420
 gatggctggg ttgccggcaa gaaactgttc gatgtcaaca aagccatctc ccgtggtacc 480
 attgtcatga aacttctctc tgatgccgcc cagtctgaaa cttgggcccg ccatcaagcc 540
 ccagctcggt gaaggcaaga acctttactt ctcccacggg ttctcccccg tcttcaagga 600
 ccttaccaag gncgaggtcc ccaccaacat cgacgtcatc ctctgtgccc ccaagggtc 660
 tggccgaacc gtccgatccc tcttccgtga gggccgnggt atcaactcct ctttcgctgt 720
 cttccaggac gtcactggca aggcccaaga naaggctatc gctctcgggt tgcgccatcg 780
 ctccggttac ctctaccaga ccacctttga gaaggaggtc tactctgacc tctacggnga 840
 gcgtggctgt ctcatggcg gtatccacgg tatgttccct gctaatacga agtcctccgt 900
 gagcgtggcc actccccag ngaggccttc aacanaaacc ggtgaggagg ctaccaatt 960

<210> 55
 <211> 1299
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1299)
 <223> n = A,T,C or G

<400> 55
 gtcgcatca ttggatccgg tctgtctggt ctggccggcc ccgatcagct caaccgcgct 60
 ggtcacctcg tcaactgtcta cgaacgagct gaccgcctgg gtggtctcct catgtacggt 120
 attcccaaca tgaagctcga taagcgtatt gtcaagcggc gtaccgattt catggcggac 180
 gagggcacatg tcttcaagac tgggtgttga gttggtgagg atggccacc atctctacag 240

gatctccgat	ctagccacaa	cgttgttggt	attgcaactg	gtgccactgt	cgctcgtgac	300
ctccctatca	agggccgcca	actcgagggc	attcactatg	ccatggagtt	cctgcacaag	360
aacaccaagt	ctcttctcga	ctccgagcgt	ggtgataatg	cttatattag	tgccaaggac	420
aaacacgttg	ttgtcattgg	tggcggtgac	actggtaacg	attgtatcgg	aacctctctc	480
cgtcacgggtg	ccaagtcctg	caccaacttc	gagcttctgc	ctcagcctcc	tcctgagcgc	540
gccaacgata	acccttggcc	tcagtggcct	cgcatttacc	gcgttgacta	tggccacact	600
gaggttcgcc	agcacactgg	caaggaccct	cgtgagtact	gcatcatgtc	tgaagagttc	660
atggacgatg	gatctggcaa	ggtcaagggg	atcaacacca	tccgtgtcga	gtggacaaaa	720
gtcttccanc	ggtgggttggg	acatgaagaa	ngtcgagggc	tctcagcaag	ttcttccctg	780
ctgacctcgt	cctgcttgca	atgggttttc	ttcggaccgc	aggctcgtgt	tccttgggtga	840
tgaatttgag	aaaggacgct	tcgccagaat	gtcaagaacc	gcccccgga	agtacagcac	900
caacctcgag	ggcgtcttcg	ctgctggtga	cgcccgctcg	ggtcaatctc	tgattgtctg	960
ggggtatcaa	cgaaggctgc	caaggctgct	cgtgagattg	atctgtatct	tgaagaaatt	1020
acaccaacct	gcccgcact	ggcggcatta	ccaagcgaa	tgccgaggaa	atctttagcc	1080
agatccagggt	tgaggettag	attaaaatcg	tgctttagtt	attatattcg	ggatcggagc	1140
aaaaggaaca	ggaataccgg	ctgtgacaaa	acaaaccgat	ttgaacggtc	tcaaccctg	1200
cctttggaag	cgtaagaaac	gaaactagt	ggtcaattta	tgttatatat	accagacttt	1260
aggncattta	ttttcatatn	ctaagatgag	ggaaaaaaa			1299

<210> 56
 <211> 1107
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1107)
 <223> n = A,T,C or G

<400> 56	ttctcgattc	tgtgatcctt	ctctcggttt	tgctcttggc	tggacatact	ggtttaaata	60
	catcategtc	acgcctaacc	aacttaccgc	tgccgccttc	gtcattcaat	actgggtcga	120
	tcgagataca	gtcaatccag	gtgtctttat	tgccatattc	ctcgtcgtca	tctgcgttat	180
	caactacttt	ggtatcaaat	tccttgggtga	actcgaattc	tggctttcct	ccttcaagggt	240
	catcaccatc	atcgggtataa	tcctgttctc	tctcgtcctg	gctctcggcg	gtggccccga	300
	ccatgaccga	aagggtttcc	gatactggag	caaccctggg	gccttcaagc	cttatatcat	360
	ggaaggcgac	gctggaaaat	tcctcggtct	ctggctcctg	atgggtcaacg	ccacctttgc	420
	ttacctcgga	accgaactcg	tcggtgtcac	agtcgctgag	gctcagaacc	ctcgcaagac	480
	catccccgcg	gccattaagc	ttacctttta	cgaattctc	ttcttctact	gtctctccgt	540
	cctcctcgtc	ggcatgatcg	tccccataca	ctctccggag	cttgcccttg	ccaccactgc	600
	caaggctggg	gcttctgctt	cacctttgt	cgttgctggg	acactcgtcg	gtgtccgagt	660
	cctccctgac	atcattaacg	cctgtatctg	cgtctttgtc	ttttctgctt	ctaactcaga	720
	tctgtacatt	gccagccgta	ccctctacgg	tcttgctctc	gacgggttcag	ctcccgccat	780
	tttcaagaag	accaacaagg	acgggtgttc	catctacgcc	cttggcatgt	ctgcttcttt	840
	ctgtctgctc	gccttcatga	acgtctcgga	cnactccaca	aagggtcttg	gctactttgt	900
	taacctgacc	actatcttcg	gtcttatgtc	atgggatctc	catcctcacc	actcacatat	960
	tctggtgccg	cgccaanaaa	gcacaagggc	ctgggcaacg	naacccttcc	ctacgtcgcc	1020
	ccctttggca	tgtggggatc	tgttggtgcc	cttgccatgt	gcatcctcat	cgctctgaac	1080
	aaaaatacga	aatttttgtt	cgcgaca				1107

<210> 57
 <211> 888
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(888)
 <223> n = A,T,C or G

<400> 57
ctcctcatca cgcgcgacaa accagccaac cgacacaatg gcccgcggaa tcaagaagca 60
ccagaagcgc ctcagcgccc cctcgactg gctgcttgac aagctgtccg gcacctacgc 120
tctaagcct tctgcccgtc ctcacaagct ccgcgactgc atgcccctga tctgtttcat 180
ccgtaaccga ctcaagtatg ctctcaacta ccgtgagacc aaggccatcc tgatgcagcg 240
actggtcaag gtcgacggga aggtccgcac cgattccacc taccctccg gttcatgga 300
cgtcatcacc atcgagaaga ctggcgagaa cttccgtctt gtctacgaca ccaagggctg 360
attcaccgtc caccgaatcc agaacgagga ggccgagtac aagctgggca aggtcaagcg 420
tgtccagctt ggtcgcggtg gaatcccatt cttggtcacg cacgatgcac gaacctccg 480
ataccccgac cctctgatca aggtcaacga cactgtcaag attgaccttg cactggcaa 540
gatcaccgac ttcattcaagt tcgacaccgg cgccgttgct atggtcactg gtggtcgtaa 600
catgggtcgt gttggtgtca tccccaccg tgagcgtcac gatggtggtt tcaacatctc 660
cacgtcaagg atgccattga caacagcttc gccaccctg anaacaacgt tttctcatt 720
ggccaggaca agccctggat ctttttgccc aagggaagg gtgtcaagct caccatcgcc 780
gaggagcgtg accgcgcagc cgcttacgcc atcttttant aaattgtgaa tttgcgatag 840
gaatgatana aaatggcatg tggctcggag tctcggattt gacgtttg 888

<210> 58
<211> 637
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G

<400> 58
gagattgatg ccctacctct cctgcctctt gttgttgctc gttgtgcccc tcaaaccaag 60
gtccgtatga ttgaagcgtc ccaccgtcgc aaggttttcg tcgccatgac tggcgatggg 120
gtcaatgact cgccagttt gaagcgttcg gacgtaggga ttgctatggg tctggctgga 180
tctgatgttg ccaaggaagc ttccgacatt gtccataactg acgacaactt tgctctatc 240
ctcaacgccg tcgaggaagg ccgacgaatg tttgataaca tccagaagtt cattctccac 300
gttttggtcg aaaacattgc ccaagcctgt actcttctta ttggccttgc tttcaaggac 360
cgtaacaacc tgtccgtgtt ccccttgcca cctggtgaga tccctcggat catcatgatt 420
accttcggta tgcttgatat gggactcggc tttgaaattg ctgcgccaga cattatgcag 480
cggctccttct taaaacttaa aacaagggtg ctttacttcc gagttgatga attgatatgg 540
ttgtctatgg tctttggatg tctggcctct gtcttagctc tttcgntcct tgcctctac 600
ggcttcggtn atggcctgcc gacattggan acaatgc 637

<210> 59
<211> 1127
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1127)
<223> n = A,T,C or G

<400> 59
acccatcgca tcattacctt caaaatgctg tccacactcc gagttgccag ccgacgggct 60
gcccgcctcg ctcagtacaa cctggccgcc atccgcgctg cctccaactg ggccaacgct 120
cctcaaggct ctcctgatgc cattcttggg atcactgaag ccttcaaggc cgacaagttc 180
gacaagaaga tcaacctggg tgtcggtgcc taccgtgacg atgccggcaa gccttacgta 240
ctcccttccg ttcgtgaggc cgagaagaag gtcgtcgagt ctaagttgaa caaggagtac 300
gctggtatca ctggtgttcc tgagttccct cccgcgcgcc ctaagctggc ctacggcgcc 360
aacagccccg ccttgaccgc catcaccatc accagacca tctctggtac tgggtgctctc 420
cgtgtcggtg ctgctttcct cgccaagttc ttccctggcg agaagaagat ctacattcct 480
cagccttcgt gggctaacca caaggccgct ttcaaccacg ccggcctcga ggttgaacaa 540

gtaccgctac	tatgacaaga	agactatcgg	ccttgacttt	gagggctctga	ttgctgatgt	600
caaggctgcc	ccaacggcag	tgtcttcctt	ttccatgctt	gtgctcacia	ccccaccggt	660
gttgatccta	cccaggagca	gtggaagcaa	atctccgacg	tcgtcaagga	gaaggggtcac	720
ttcgcttctt	tcgatatggc	ttaccagggc	tttgccagcg	gtgacactga	caaggatgct	780
ttcgctgttc	gctacttcgt	tgagcanggc	cacaacattg	ctctttgcca	gtctttcgcc	840
aagaacatgg	gtctctatng	tgagcgnatt	ggtgccttct	tcattggnctg	tgccgatgcc	900
gacnagaana	aacgcgtcga	ctctcagctc	aagattctca	ttcgacctct	gtactccaac	960
cctcccatcc	acggtgcccg	catcgncgnc	gagattctga	acagcctacc	ctctacaagc	1020
agtggctcgg	cgaggncaa	gagatggctg	nccnatcatc	tcattgcgtgc	tctctnaagg	1080
ataccctgag	aacttcgggt	caacaccaat	gggcttacan	taccagc		1127

<210> 60
 <211> 1319
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1319)
 <223> n = A,T,C or G

<400> 60						
gaacaacaca	aatacacatc	tccatcctag	atctttgttg	attctccttc	tttgagaatc	60
tcgagtctag	tcgataccag	ctttatcttc	cactaaacga	ttaccaggcg	cagtcttcag	120
tcgaagttct	gccctctttt	ttcgcttctt	tcaccccgcg	atttctcaca	tctaggctga	180
gccgagcttg	atctagactt	tcaaaagcct	caaccgcaat	catggctgac	aaggggtctg	240
aggatgtccc	tgagacacag	atcgagggtg	actacgatga	gaccgtcgac	tccttcgatg	300
acatgaacct	caagtctgag	ctcctccgag	gtgtctacgc	ctacggtttc	gagcgtccct	360
ctgctattca	gcagcgtgct	atcatgcccg	tcattcaagg	cagcgatgtc	attgcccagg	420
cccagtcagg	tactggaaag	accgccacct	tcttcattct	tgctcctncg	aagatcgacg	480
ccaacgtcaa	ggnttggcag	gccctgatcc	ttgcccccac	ccgtgagctt	gctcagcaga	540
tccagaagg	cggtatcgct	attggcgact	tcattgaacat	tgagtgnac	gcctgcattg	600
gtggnacca	gtgttcgtga	tgacatgaag	gccctccagg	acgggtccca	ggctcggtgtc	660
ggtacccccg	gtcgtgtcca	ggacatgac	cagcgccgta	tcctcaagac	cgacgccatg	720
aagatgttcg	ttctttgacg	aggccgatga	gatgctttct	cgtgggtttca	ctgagcagat	780
ctacgacatc	ttncagcttc	tncttagtgc	cacccagggt	ggctcctcnt	tccgccccat	840
gccccaggat	gtccttgagg	tcaccaccaa	nttcatgcgt	gacccccgtc	cnnattctgg	900
tcaagaaaga	cnantttacc	ctggcggtga	tcaatcagtt	ctacattgct	ggtgatanag	960
gaggacgtgg	tatctcgaca	ctcctttccg	acttgtagca	ggagcgctac	catcaccag	1020
tctgtcatct	tctgcaagac	tcgcatgaaa	ggtcgactgg	ctcaccgaca	gggctcactg	1080
cgctcgtgact	tcactgtctc	cgccatgcac	ggtgacatgg	accattcgtc	acgcgtgatc	1140
tgatcatgag	ctgaggttcc	gatccggatc	ttctcncgtc	ctgattgcca	ctgaacttct	1200
ggcgtggta	tcnatgttca	acaggtttcc	tggtctcact	acaatctccc	gcccaccgtg	1260
anaatactcc	ccnctccgt	cctggaagan	tttcggccaa	aaggttcccc	tcacttctct	1319

<210> 61
 <211> 755
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(755)
 <223> n = A,T,C or G

<400> 61						
gatttcaact	ggggtaacac	tcgtgttatt	gctggtgagt	ctggcaagaa	gatcgttggt	60
tcgacgaag	gcaagttcga	ccccaaactc	atccctcgca	agaagtggga	ggagtaccaa	120
gccgagcttt	gggagaccca	aacacagact	gctcgcgacg	atgttcgatc	cgagatttcc	180
ggttacagtt	atgcgaccaa	ggctcaagga	cccttctccg	attacaatgg	tggttaccag	240

cccagccgcc	ctgggtcaac	tgccggcttc	ggtcaccaca	acatgtctcg	catgtctctg	300
gcccactccg	agatgcctgg	taaccgcacg	agccagttcg	gtggctcaca	attcttctcc	360
cctgaagaga	tggttggcat	gcccagtgat	gacgctcttc	tcgccgagat	ccgcgacatt	420
ctcaagacag	ccgacttgat	gaccgtcacc	aagaagggca	tcaagcaaga	agttggagag	480
acgcttcaac	gttctcttag	acgccaaaag	ggcctatata	aactctgcga	ctgaagcctt	540
gctttctggc	caactataga	ctgnattaag	aacccaatga	aacgggcttt	tattaatgcc	600
tatcttaaag	gcctggcgat	aatctttggg	tatttgaact	tggnaatctt	tcattttatt	660
ttatatatgg	ggaacatggg	aatgggaata	ctaaaactta	acaattttgg	ttaacngnac	720
aacccaattt	tgcccgggcn	tatncataaa	actgg			755

<210> 62
 <211> 1272
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1272)
 <223> n = A,T,C or G

<400> 62						
tcacattact	tatcgcat	ttgctgcgttc	ttcatcgatg	ccagaaccaa	gagatccgtt	60
ttttttttga	acgatcaaga	aaataatatt	gccaaagttag	ctatcagaac	acagcatgaa	120
actcctttca	tctagcatat	acacagggtt	aaagtctctaa	taatctcatt	cgcagttttc	180
atctgcgata	acccttcaga	tcgcttcccc	ctcgctcgca	aacattcgtt	ttacaacaaa	240
cttatgtttt	attcgtttaa	gttgccgaaa	gccatctgct	tcttgatctc	ggcgatcgcc	300
ttgccggggt	taaaaccctt	ggggcaagct	cgggtacaag	ttaaaggatag	tgtgncaacg	360
gtacaagctc	attgagttct	cgagnttctg	ctttcgctcg	gcggtacgct	ggtcacgaga	420
atcgggcgagc	catcggttaag	actggagcag	gatagcggga	ccaagggtact	cctcagagtt	480
ccaccnagtc	aagatgggca	tgaagtagag	cagcaggcgc	agagaatgca	cttcgtaaag	540
accgtcgagc	ttgcgtcggg	cctccttggt	ctgtcggtac	tcccgtccgt	cttcggcagg	600
ggtgtcgcg	tgaaggtagg	gcttgatgct	cttgtagtgc	ttgtagaagt	gcgtcagatc	660
agggacaagt	ccttgacgac	gtaggtatga	ggaaaagggt	agatcttgac	gtcgnaagca	720
gcctcggtag	ggatacggca	caagcagcca	aggggtgtct	ggccggtgat	gttcattggca	780
cagctaccac	agataccctc	acggcaactt	cgtcgggaag	tcagagtagg	gtcgagctcg	840
ttcttgattc	ggataagggc	atcgagaatc	atgggtccag	tcttgtttaag	atccagagtg	900
taggtctgga	gacggggctt	ctcgctgggg	gtatcggggt	tccatcggtg	gatctggaag	960
gacttcatct	ttgactcggg	ctccttgcca	ggctcgctga	cggaggccat	agaacgagtg	1020
aagacagtgc	cgggtcggat	ggcagccgac	cttgagaagg	cgccaacaag	gcgagaggaa	1080
gatcgaagag	cagccatggt	ggatcgaatc	gaattacaat	tgcgattggg	accggaggag	1140
aaggacagtc	aaacttcgcg	atatatagtt	ggagctgtag	tcaggcgatt	gacaggaaga	1200
aatgccgtac	aatccctctc	gttagagctg	aattgtcgat	attctcaaag	ggtggcggcc	1260
agaggattct	cg					1272

<210> 63
 <211> 570
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

<400> 63						
atgaagccct	ggcggttaac	actttccaag	aagtctcatt	tactcttacg	gcatgtcttt	60
cgccatggac	aattatatct	ccaggctcggc	cacatacgan	gaactcgccg	agtttctactc	120
ctcgactat	ctggacttcc	tcggcacagt	actgctgag	ccagtacctc	gagatctcga	180
aaaccaagga	gtcgacctga	agttcaacct	gggtgggtct	gactgtcccc	tctttgatgg	240
cctattcaat	tattgttctt	tgtccgctgg	cgggtccctt	gatgcagcca	gaaagatttg	300

ctcaaagcag	tctgatattg	ccatctcttg	gggcggtggc	cttcatcacg	ccaagaagtc	360
tgaagcgtcc	gggttctgct	acatcaatga	cattgtgatc	gccattctcc	aactccttgc	420
ccattatccc	cgagtcttgt	acattgacat	tgatgttcat	cacngcgacg	gaatanaaaa	480
acctttcttct	ctactgatag	antcatgact	gtctcttttc	ataaatacaa	ccaacactc	540
ttcctggtta	ctggtgctct	tgataaaacg				570

<210> 64
 <211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 64						
cggtggcgaag	cccgactctt	ccctcaagac	cgctcaggaa	atcaaggagg	agtactgcta	60
cgctctgtccc	gatatcgta	aggaattcgg	caagtacgac	caagatcgca	ctcgatttgc	120
caagcatgtc	gtgtcgcaac	ccaatggccg	ccaggtcagc	ggtgatntcg	gttacgagcg	180
ttttctcgcc	cccgaaatct	tcttcaaccc	cgagatttac	agctccgatt	tcttgacccc	240
tctccctgtg	gtcgctgatg	gtgttattca	gcagtcgcct	attgatgtac	gacgaggcct	300
ttacaagaac	attgttctct	ctggaggaag	cacactatac	aaggatttcg	gtcgccgatt	360
acagcgagac	attaagcagc	tggtggatgc	cagaattcga	gccagtgaag	tccgtancgg	420
tggtgctcga	antggtggct	tggaagtgct	tggttatctct	cataagcgac	agcgacacgg	480
tccttggttc	ggaagcagtc	ttctcggtca	aactcccga	ttccgatcgt	actgccatac	540
caagggcgaa	taccaagaat	atggtcccan	cattgtg			577

<210> 65
 <211> 1314
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1314)
 <223> n = A,T,C or G

<400> 65						
agctccgctcg	caaaataaaa	agtgaatct	tttctctctt	cctnaaacct	ttttctcttc	60
cctttccttc	gtcgccgctc	ttgctctcga	agccgtccga	ggttggttag	ctgccaacct	120
aaataacttca	acacgaagtc	cttcagatca	tctctcttct	tcgcttcttc	ctttcctctt	180
gcaccccgcg	cagccagctc	tgcagctctt	ggaaacgttc	cattcacgcg	ttccggtcta	240
gttttctttg	ttcaacatcg	taactacgcc	aagtcaagaa	agatgcctcc	caagaagcaa	300
gtcgttgagg	agaagatccc	cctgggcagg	cctggaaaca	acttgaaaag	tggtattgtc	360
ggtctagcaa	acgtcggcaa	atctaccctc	tttcaggcca	ttaccaagtc	taacctcggt	420
aacccagcta	acttccccta	tgccactatc	gaccctgagg	aagctcgtgt	cgtcggtccc	480
gatgaccggn	tcgactggct	cgtcgagaag	tacaagccca	agtcagntgn	tcccgcacaac	540
ttgaccgcta	tgatatcgnc	ggtctgactc	gcgntcatn	cactggtgct	ggtcttggn	600
actctttnct	gtncacatt	cgcgtggtg	atgccatctt	tcaagttgtt	cgntgcttcg	660
acgatgccga	gatacattac	attgaggggt	gcgtgaaccc	cacccgtgat	tttgacatca	720
tcagcgagga	gctccgactc	aaggatatcg	agtttactga	aaaggctctc	gagaaccaga	780
agaagaagac	ccgtatgggt	ggtcagagtc	tgagcagaa	gaaggctgtg	caagatcaag	840
ccacgcttga	gaaggttcta	gcctggctca	acgatggcaa	ggatgtccgc	aagggcacct	900
ggggcccca	ggagattgag	gtcattaacc	ctctcttctt	tctgactgcc	aagcccgttg	960
tctaccttgt	caacttgtct	gaaaaggact	tcatccgcaa	gaagaacaag	catcttccca	1020
agattgtcga	gtggatcaac	gagaatgcca	agggcgaccc	tctcattcct	gtctccggtt	1080
cttacgagtc	tcgtctcact	ttgtgcgaga	ccgangctga	agctaaggaa	gagcagaaaa	1140
atgccggtgc	cgactctggt	ctgccccagg	tcattcttca	natgcaaaaa	acctgcagct	1200
tggcagcttc	ttcacagttt	ggacctgatg	aagtcctgca	gtggaccatc	cgccatggcc	1260

ccaaggccct caggcgccgg tgtcttcnch acaatttcaa aaaaacttca tcca

1314

<210> 66
<211> 1877
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1877)
<223> n = A,T,C or G

<400> 66
ccatgcccgg tgacacagag ttcaacaccg gcttcagctt ctgggggtgga aacctgaccc 60
tcgctgttgt caacggtacc gttcccgcct ggagaatcga cgacatggct actcgaatta 120
tggccgcttt cttcaaggtt ggtcgatctg ttgaggagga acccggcatc aaattttcct 180
cttggaactcg tgacgagtag ggctttgccc agacctacgc ccaagagaac cgagaaaagg 240
tcaacttttg tgttgatggt cagcacgacc acaagcgcca tattcgtgag tctgccgcaa 300
agggaaccgt catcctcaag aactctggct cgcttctctt caagaagccc aaattccttg 360
ctgtcattgg tgangacgct ggccccaatc ctgccgggtc caacggttgc ggcgatcgtg 420
gatgcaacaa cggcactctt gccatgtcat ggggttcttg aacctctcaa tccccctacc 480
tcgtcaccoc cgatcaaggt atttgcgtcc aggtatttca ggacggcagt cgatacgaga 540
gcatcctcaa caacaaccag tggccccaga cacaggctct catcagccag cccaacgtca 600
ccgctatcgt ctttgccaat gccaatgctg gcgagggtta catcgaagtt gatggcaact 660
acggtgaccg caagaacctc actctgtgga accaagggtga tgagctcatc aagaacgtct 720
ccgccatctg ccctaaccac attgtcgtcc tccacaccgt cggccccgtt ctgctgaccg 780
aatggcacia caacccccaa atcacccgcta ttgtttgggc cgggtgttctt ggacaagaga 840
ctggtaacgc catcgtgac atcctctacg gcaagactag ccctggacgt tccgtcttta 900
cctggggccg cactgccaag agctacggca ctgagggtct ctacaaggcc aacaacggcg 960
agggtgctcc ccaagaggac ttcactgagg gtaacttcat cgactaccgt cactttgaca 1020
aacaatcccc tagcacciaac ggaaagcgag ctaccaacga ctctgctgcc cctctctacg 1080
agtttggtct cgtctgttcc tggaccacct ttaagtactc tgacctcaag gtcgagtctg 1140
tcagcaacgc ctcttacagc gccctgtcgt gaaacaccat tcttgcccc agctacggca 1200
acttttagcaa gaacttggac gattacaagt tccctgctgg cgtccgatac atttacaagt 1260
tcactatccc cttcctcaac acctcttctt ccgccccaga ggcttccaac gacattgagg 1320
gtaactttgg tgacaccgcc gacgagttcc tccctcccaa cgtctcaac ggctcatctc 1380
agccccgtct cgttctgtgt ggtgtcctct gcggcaaccc tcaacttttg gatgtccttt 1440
acactgtcac cgcgaccatc accaactctg gcgatgccac ttctgacgaa gttccccagc 1500
tgtacgtcag ccttggtggt gagaacnaac ccatccgtgt cctccgtggt ttcgagcgtc 1560
tcganaacat cgtcctgtgt gagagtgtcc cattcacccg tcagcttact cgtcgtgatc 1620
tgagcaactg ggacgtcaat gcccanaact ggggtgatcac cgatcacgcc aagaanatct 1680
gggttggttag canctctcgc aatctgtctt cagcgctgaa ctgtagtgga aaatggattg 1740
atgggatatg tttcttgaag ctgaaaggtt gtctacggat atgtaaaccg tagaataact 1800
ttgtgccagt cagtcfaatg gccagcataa ttattttgac aaagcgtgaa aataaatttt 1860
tcgttcatac atatgat 1877

<210> 67
<211> 864
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(864)
<223> n = A,T,C or G

<400> 67
gacatgggtc ctcgagaaga ccgacaacaa gggcganatt gccaaagcact ttgttgctct 60
ctccaccaac gaggaggagg tgaccaagtt tggcattgac agcaagaaca tgtttggtct 120
cganagctgg gtcggcggtc gctactctgt ctggagtgcc attggtctga gcattgctct 180

ctacgttggc	tttgacaact	tccacaagtt	cctcagcgg	gctcacgcca	tggaacaagca	240
cttccgcgag	actcccctca	gggacaacat	ccctattctt	ggtggcctcc	tgagcggttg	300
gtactctgac	tttttccagg	cccagactca	ccttgttgct	cctttcgacc	agtacctcca	360
ccgattcccc	gcctacctcc	aacagctctc	tatggagtct	aacggcaaga	ctatcacctc	420
tgatggatct	tccgccaagt	acaccactgg	tcctatcctt	ttcggagagc	cttgacacaa	480
cgctcagcac	tccttcttcc	agcttgttca	ccagggcacc	aagctgatcc	ctaccgactt	540
catcctcgct	gccaagtccc	acaaccccg	cagtgacaac	cttcaccaga	agatgcttgc	600
ctccaactac	tttgcccaag	ctgaggctct	catggttgg	aagactgatg	agcangttcg	660
cgccgaggg	gcccctgagg	agcttgtccc	tcacaaagcg	aatcttgggt	aaccgacct	720
caacctctat	tctcgttgg	ggtgccattg	gccctgccga	attgggtgct	ctggatcgct	780
tactacaagc	acctcaacct	taactgaggg	tgctattttg	ggacataaac	agcttcgaac	840
agtggggggg	tcgagctggg	caaa				864

<210> 68
 <211> 1023
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1023)
 <223> n = A,T,C or G

<400> 68						
ccgcaactgct	atgagtgtcc	tcctccacgg	tgacgtgccc	tttgctgctc	aggggtatcgt	60
ctacgagtg	ctcggcttcc	actctctccc	tgcttctccc	actggaggta	ccatccacct	120
ggttggtcaac	aaccagattg	gtttcacaac	cgacctcgt	ttcgcccgat	ccaccgccta	180
ctgtaccgat	atcgccaagg	ccatcgacgc	ccccgtcttc	cacgttaacg	ccgatgatgt	240
cgaggccgctc	aacttcgtct	gccagctcgc	tgctgactgg	cgtgccgagt	tccagcacga	300
tggtgtcatt	gatctcaact	gttacggaaa	gtacggtcac	aatgagaccg	atcagccttc	360
tttcacccag	cctctcatgt	acaagcgcat	caacgccaag	gagcctcaaa	ttgacatcta	420
cgctcgataag	cttatcgagg	aagggttctt	ctccaagggc	gatgtcgagg	agcacaagca	480
gtgggtctgg	ggtatgctcg	aggagagctt	caccaagtc	aaggactaca	caccacctc	540
caaggagtgg	accacctctg	cctggaacgg	cttcaagtcc	cccaaggagc	tggtaccga	600
ggttcttgcc	accagcgaga	ctaacgtcaa	gcccactact	ctcgagcata	tcggtaatgc	660
tattggaagt	gttcccgang	gcttccaagt	tcaccgcaac	ctgaagcgta	tcctaagcaa	720
ccgaaccaag	tctgttggtg	aaggtaagaa	catcgacttc	ccaccgccga	agctctggct	780
ttcggtactc	tcgttactga	aggttaccac	gtccgtgtct	ccggtcanga	tggtgancgt	840
ggtactttct	ctcagcgcca	cgctgtcttc	cacgaacagg	anactganga	tactcacact	900
cctctccaga	accttagcca	agaacaaggc	aagtttgtga	tctccaactc	ttctctganc	960
gantttgggtg	ccttggtttc	naatacgggt	actctctgtc	atctcctcat	gctcttgtca	1020
tgt						1023

<210> 69
 <211> 1032
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1032)
 <223> n = A,T,C or G

<400> 69						
cgcaagaaca	ccttcaccga	gaagttcgag	gaggcgggcta	tctcttcttt	catctccact	60
tccgctactc	ccctcattgg	tgaggtcgg	cctgagacct	acgtgggcta	catgtccgct	120
ggtattcccc	ttgcctacat	cttctctgag	accgaggagg	agcgcaagga	gctcggcgag	180
gccctcaagc	ccatcgctga	gaagtacaag	ggcaagatca	acttcgccac	tattgacgcc	240
aaggctttcg	gtgcccacgc	cggtaacctg	aacctcaaga	ctgacaagtt	ccccctcttc	300
gccatccagg	aggttgtcaa	gaaccagaag	ttccccttcg	accaggagaa	ggagatcacc	360

cacgacagca	tcgccaagtt	cgttgaggag	ttcgacgctg	gcaagattga	gcccagcatc	420
aagtctgagc	ccatccccga	gacccaggag	ggtcccgtca	cagttgttgt	cgccaagagc	480
tacaacgaca	ttgtccttga	cgacaccaag	gatgtcctta	ttgagtttta	cgctccttgg	540
tgcggtcact	gcaaggtctt	tgctcccaag	tacgacgacc	ttgctttctca	gtacgccgct	600
tctgagttca	aggacaaggt	tgctcatgcc	aaggttgacg	ccaccctgaa	cgacgtcccc	660
gatgagatcc	anggtttcct	taccatcaag	ctctaccccg	ntggtgccaa	ggacgctcct	720
gttacttacc	agggctctcg	taccatcgag	gacctcgcca	acttngtcaa	ggagaaacggc	780
aagtacaacg	ccgagctctc	catcaaggag	gaggggtaccg	aggaggctgc	ccccgccgcc	840
agtgaggaga	agaaggacga	gaaggccgac	gaggatgtcc	atgatgagct	gtaaagaatt	900
catgtcgcat	tgttagtata	caaaatgggg	tataactgat	ttcatgggcg	cggggttttta	960
tggtgctaag	attttatcgc	acctcttagg	tatttagttc	tcgtggcaat	gggactgttt	1020
catgacttga	ct					1032

<210> 70

<211> 563

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(563)

<223> n = A,T,C or G

<400> 70

gggtaccaag	ctcttctgta	tctctggcca	cgtcaacaac	ccctgcaccg	ttgaagagga	60
gatgtcaatt	cccatgcgtg	agctgatcga	taagcactgt	ggtgggtgtc	gaggtgggtg	120
ggataacctt	ttggctgtca	tccccgggtg	ttcttccact	ccggttcttc	ccaagagcgt	180
ctgtgatgac	cagctgatgg	actttgatgc	cctcaaggat	agccagtctg	gtctcggtag	240
cgccgctgtt	atcgatcatg	ataagagcac	cgatattgtc	cgagctatta	gccgtctcag	300
ccacttctac	cgtcacgaga	gttggtggcca	gtgcacacct	tgccgagagg	gtagcaagtg	360
gacagagcag	ataatgaagc	gattcgagaa	gggtcangct	cgtgagcgtg	agattgacat	420
gcttcangag	cttaccgaagc	aggggtgagg	tcacactatt	tgcgctcttg	ggtgangntt	480
ttcgnctggc	ctattcangg	nottatccga	catttttcgac	ctgagcttga	ggctcgtatg	540
ccaaaagtcg	ttaaggaaaa	cgc				563

<210> 71

<211> 595

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(595)

<223> n = A,T,C or G

<400> 71

tcaggtatac	caggtttacc	ataacggttt	gacntatccc	aaaagcagca	tccgagctgc	60
ctaacggaat	cggcggccgt	gtctacctga	acagtacggg	cgccgttttt	acagctaaaa	120
tcgtgcttcc	tgaaactgtc	aaaaacaacg	actcggtctc	tactccctat	atttattctg	180
gcttttagggc	aacaagcgga	actgaagccg	atatcgggct	tcagtacagc	aaacaatata	240
acgtctggaa	gcccctcatg	aaggttgggt	ccaaaaatga	agaaacgtac	atcgaaggaa	300
aagacaaatt	cacatacaat	aaaggtcttc	gccttggaag	cacagtccaa	atgacaatct	360
ataaaaaattt	aagcggcaat	acgcgcatga	ccctttgggg	aacgaacaat	gacggctaca	420
ccggacggat	tatcacagaa	attcaaggaa	ccaacatcgg	cacgatttca	aatggaaaa	480
cacttgctac	cgcggtgtgt	tcgntgaaa	gccagcgtga	tgccgatcaa	aagcaacctt	540
tttcgaccct	tttttaacaa	cattncttnt	ccgacaataa	agccccgcct	tcttg	595

<210> 72

<211> 905

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(905)

<223> n = A,T,C or G

<400> 72

ctcctatttca	cgatgggtag	agttattcgc	aaccagcgtg	agggtcgtgg	atccatcttc	60
acggccaaca	cgcgcctgaa	caaggctccc	gccaagttca	gaaacctcga	ctatgccgag	120
cgccacggat	accttcgagg	tgtagtcgcg	gagattgtcc	acgatgctgg	tcgcggtgct	180
cctctcgcca	aggctcgtct	ccgccacccc	taccgattca	agcagactac	cgagaccttc	240
atcgccaacg	aaggcatgta	caccggccag	ttcatctacg	ccggaaagaa	ggctgctctg	300
accgtcggca	acgtcctccc	cctcgggtgag	atgcctgagg	gtaccgtcgt	ctccaacgtc	360
gaaganaagg	tcggtgaccg	tggttctctc	ggccgaacct	ccggcaacta	catcaccatt	420
gtcggccaca	accctgatga	gggcaagacc	gcatcaagct	cccatctggc	gccaagaagg	480
tcgtccactc	cggancccg	agaatgatcg	gtatcgtcgc	tgggtgggtgc	cgaactgaca	540
agccccctct	caaggcttct	cgtgccaaag	acaagttcgc	tgtcaagcgt	aacagctggc	600
ccaagactcg	tgggtgttgc	atgaaccccc	tcgaccatcc	tcacgggtgt	ggtaaccacc	660
aacatattgg	taaggnttct	accatctccg	atagcccgcc	caagggtcaa	aggccggtct	720
tattgcccgc	gcagaacggg	tcttctnccg	tggtagccaa	aagacaaaag	agtaaagtgt	780
tggcttgggt	tcattggtct	attgggatgg	tgtttactgg	gctgcttgca	tctattgaag	840
gtactgccaa	aancagatgg	ctggtagctn	aanaaggcaa	gcactatggc	attttggcgc	900
aaaaa						905

<210> 73

<211> 1043

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1043)

<223> n = A,T,C or G

<400> 73

gcgaaacgac	atccgtgtct	ttttctgcaa	gtacaacgac	cccatttatg	tcaaggttac	60
aaagctggaa	ctcatattta	tgtttgctac	tgaggataat	attgatgagg	tgttgacgga	120
actgcgagag	tatgctactg	aaatcgatgt	ccactttgtg	cgcaaggcgg	tcgcgcgccat	180
cggtaagctg	gcgatcaaga	ttgaaccagc	ggcacgacga	tgtatcaact	tactttctcga	240
gcttgtggct	accaagatta	catatatgtt	gcaggaagcc	acagtgggta	tccgaaacat	300
cttccgaaaa	taccccaacc	aatacgaatc	catcatcagc	actttgtgcg	agcacctcga	360
ttctctggat	gagcctgaag	ccaaggcagc	tatggtttgg	gtaattgggt	agtacgcaga	420
ccgaatagag	aacagcgatg	ctttgttgga	agacttccta	tactcatttg	cggaggagcc	480
tgttgaggtc	cagcttgctt	tgctcactgg	tacagtgaag	ctcttcattc	agcgacctac	540
caagggacag	gagttgggtc	cgaagggttct	tgaagtnggg	caacagagga	gactgccaac	600
cctgatcttc	gagatagagc	gtatatgtac	tggcgtctct	tgtcaacaga	catgaatgca	660
gccaggcaaa	ttgtcatggg	agagaagcca	gccattacgg	ctgagtcgga	gagactagac	720
tcagcgacac	tggaggagat	gtgcctgaat	gtaggaacac	tagccacggt	ctatttgaag	780
ccggtgcaga	ccgttttccg	atctgctcga	ccacgcaaac	ttcaagactc	tccggcggtg	840
cagaagcaaa	acctccttgt	tgccggagac	agccagaaga	ntatcacatg	tttggtaatg	900
ctggagcagc	gacggatatc	gacccaagga	ccgaaaacccc	atgtcgggtg	atgtcagggg	960
aacctcgenc	aggccgtcag	cgacgccgat	cctacttctc	gggggatcgg	ggacccacca	1020
gatgacgcca	atgcntgggt	atc				1043

<210> 74

<211> 1084

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1084)
 <223> n = A,T,C or G

<400> 74
 aacacccaag tcgctcgttga gccaataccg tcaagatggt aagttgaggc ctatcgaagg 60
 gggggtttcct tgcaaaggag cttccttgat gttttccatt ctacggcaga aatgccaaatt 120
 gctccttgga gagtcaacgc aagatgcttc ggaagaagag caacatccca agtcgtcgtt 180
 gagccaatac cgtcaagatg cttttccaca agttggtcaa gaacagcgcg tactacagtc 240
 gctaccagac taagtacaag cgccgccagc agggcaagac cgattactac gcccgaaagc 300
 gccttatcac ccaggccaag aacaagtaca acgcccccaa gtaccgcctg gtcgtccgct 360
 tcaccaacaa ggacatcatc tgccagatcg tcacctctga gatcactggc gacaaggctc 420
 tcgtctctgc ctacgctcac gagctcaagg cttacgggat cgagcacggc ctcaccaact 480
 gggcgctgc ttacgctacc ggtctcctcg tcgcccgccg tgccctcaag aagctcggcc 540
 tcgatgaaga ctttgctggt gttgaggagg ctgatggtga gtacaagctc actgaggccg 600
 ccgagaccga cgatggtgag cgccgcccct tcaaggtctt cttgatgtc ggtctgaagc 660
 gaacctccac cgggtgcccg gtcttcggtg ccatgaaggg tgccctcgac ggtggtatcc 720
 tcgtccccac tccgaaaanc gtttccttgg ctacnataatg gagaaccaag gactcgacgc 780
 cgacacctcc gaaatacatc ttcggtggcc acntcgctga ntacatggan acctcccgat 840
 gacaataaga nctttcccat cagttccaaa attttcagac aacnacgttg aggctgaggg 900
 tcttgaggac ctttacaccg agggccatgc cgccatccgn gaggaccctt acaagaaggc 960
 cgagagcgac gctcccaana aaaccaagga ggagtggan gagatctcca agaatacagg 1020
 aacaagaagc tcaccanagg angaaaagga naagcgtgtc caagaacca ttcaagaaaa 1080
 tatg 1084

<210> 75
 <211> 2242
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2242)
 <223> n = A,T,C or G

<400> 75
 agcgacaatc aaagctcant cgggtagctn catctngtna cttttgccgg tcagcctttt 60
 attagtcgtt tttgcttctg ccatcatcac atccttcccc cgccattgct atatectccg 120
 agcataactg ttcacatcatg cctacgatca gtacaaccag aacccttacc agcagggccc 180
 agctcaggaa agctctcatg gttacagcca gaccaatcca tatgcgcaag atgcgccagc 240
 ccatggcaac aaccaatatg agatgcaaga ttactcgcaa caagctcctg ctgccagctc 300
 aagtctttcg caacaggaat tcctaaaccg cgtccagaag cttcgcgatg agattaaggg 360
 tctgaccact gacattgatc acattggtgt gcttcattcg cgaactctcg gcagcactga 420
 tgggtccgca aaccacgagc tcgagcagta tgtctctcag actcagattc gcaacactgc 480
 catcaaggat ggaatcaagg gactagagcg cgatcttgca aagaccaatg acagctctcg 540
 caccacaaag aacacccagt tgcaatctct caagaccttc ttcaaactcg agctcgacaa 600
 gtaccagagc gtcgagcgcg attatcagca acgataccgt gatcagattg ctcgtcagta 660
 cegtattgtc aaccccgatg catccgaaga agaagttcaa gaagccgcca atgccgattg 720
 gggtaacgag ggtgtcttcc aaactgctct gcgaacgaat cgcaccggac atgccagctc 780
 cgtgcttggt aacgttcgcg ccggtcacag cgagctccag cgtatcgagc agactctctc 840
 cgagcttgct atcctctatc aggagcttgc cactattggt gagcagcagg agcccgttgt 900
 tcaggccgcc gaacaaaacg cगतgaacac taacgagcac atgattaaan ggcaacgagc 960
 aagtcgaagt tgccaagaag cacgcccag aaccgccgta agctcaagtg gagggcgctc 1020
 tcgacgtcct acttattatc atcgcatgcc gccacggntg gtgtngtgac aangtaacac 1080
 cacatcaaca tctagaagat cgaggtcctt gttgaacatg cccttgggtc tttcgtgaag 1140
 gggccagttg atggtancaa tatcacactg agcgagcatc tcctcaagag tgtcgacgcg 1200
 gcggcgacca ntctccttct cgggtctcaga agaaaggggc tggtagtcga agtagagaag 1260
 ctcttgcac tcgaaaggct tgaagacggc ggagacacgt caccgatgcg gccgacagcg 1320
 acagtaccga caaccttgcc ctcaagatca aactcctgtt agcagcgtgg gcgacatccc 1380

attcaccagc	ctcaatctgt	tcgtgggcag	ggacgaagtt	gcggatgaga	acgaggatgg	1440
tcatgagaac	gtgctcagca	acggatacga	cgttggagcc	agtgacctca	gcgacgggtga	1500
taccgccgtt	ggttgtgttg	gcagcggttg	ggtcgacgtg	gtcggagccg	ataccagcgg	1560
taacagcaag	cttgagcttc	ttggccttgg	ccagacgctc	agcggtcagg	taaccgggggt	1620
ggaagggagt	ggtgatgata	atctcagcat	ccacgagctc	ctcgtcgaac	ttggaaccct	1680
cacggtcctt	gtcgggaagt	gtgacaagag	tgtgaccttg	gtcctcgagc	cacttgcgga	1740
tgccgagctc	gttctcagtg	gttccgagaa	ggaggggttg	atccttggcg	tgctggccac	1800
cgctgtagag	aactgcaaga	accttgacca	ttttggcggg	tgtgaaaagg	gttgtttgtt	1860
ttgttggaag	ggtgagaaga	aggaagaaag	atgatgatga	tgatgagagt	gaggaggaaa	1920
gaaagtagaa	tatcgagggg	ccaatgccag	atatttatgc	tctcgatgga	acaccatgac	1980
tatgtgtctt	gtcaccaagt	aacgggcacc	cagtgtgtaa	cggatgccct	ccacacgagc	2040
aacacggaaa	cagccaagga	tccacatctc	acacactgca	gtgcaatgaa	tggtattgtgc	2100
atgttcgcca	tgaacggnat	agnacccgtg	gcccggtcga	ggtcgcccga	gactngctcc	2160
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aacccaagaa	ggggcnaggg	gn				2242

<210> 76
 <211> 1131
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1131)
 <223> n = A,T,C or G

<400> 76						
cgccgccttt	caaaacatca	ttcgagtttg	agccctcttg	aaagntnttg	tcaancgaat	60
acccaccaac	aagcaacgct	tttttcagca	ccccgcttgt	ttacatcttt	cgcacctgtc	120
gctacaacac	cacagacaca	accatcaaaa	tggctgagca	gcagaccctt	accttcaagc	180
tcgtgcttgt	cggtgacggt	ggtaccggaa	agaccacctt	cgtaagcgcc	cacttgactg	240
gtgagttcga	gaagaagtac	atggccaccc	tcggtgtcga	ggttcacctt	cttggcttca	300
ccaccaactt	cggtcagatt	cagttcgatg	tctgggatac	cgccggtcag	gagaagttcg	360
gtggtctccg	tgacggttac	tacatcaacg	gccagtgcgg	tatcatcatg	ttcgatgtta	420
cctcccgtat	cacctacaag	aacgtcccca	actggcaccg	tgatctcgtc	cgagtttgcg	480
agaacatccc	catcgttctc	tgcggttaaca	aggctcgatg	taaggagcgc	aagggtcaagg	540
ccaagaccat	cactttttcac	cgaaagaaga	acctccagtc	tacgatatac	ccgccaagtc	600
taactacaac	tttgagaanc	ccttcctttg	gctcgcccg	aagcttgctg	gcaacccttc	660
acttgagttc	gttgctgctc	ccgctctggc	tccccccact	gcccagggtc	acgagaagct	720
cctggaagga	gtaccgcaag	gagatggacg	aagccgccc	catgcctctg	cctgggtgagc	780
tttccgacga	cgatctgtaa	atgactcgtg	cgttcacgga	ataactttcg	ttgaggagga	840
tgctggcaaa	gtgtccaagg	aacgggtgat	tgggcagtgt	ttgaggatgg	cacataggca	900
gccggaacga	tcatttatga	gtacaggacg	gaagtnctgg	agtttacagc	agcgtgatta	960
tggggcgcca	caaaagactg	gccgtcatgc	ctctctttgg	gggtttacaag	ggacgggtgta	1020
ctgcaaagag	cagtgtctta	tttagtttag	ctagacttcc	tccaccaaaa	caataaacag	1080
ggccaagttt	gcgtggcttg	gctaagacag	cgaactttga	ccctttgatg	g	1131

<210> 77
 <211> 1264
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1264)
 <223> n = A,T,C or G

<400> 77						
ccgagaatct	ttctgtatat	taatcctccc	tgatactact	cctccatcta	aatatttcat	60
ctcttccgtg	ctttgtcttg	cgcattatac	ccagtcctca	acttctttac	tacatcacac	120

tcagttacat	catagcaaaa	atgggcgctca	ccgaccgcat	tattcagatt	ggaggccaga	180
tctctggtaa	cccgaccgct	ggcggtcgtg	agaagatcct	acagaagaac	cccgatgata	240
tcgtcgtcac	cgccgcctgc	cgaagcgc	tcaccaagg	aggccgtggt	ggtttcaagg	300
acacacacgc	tgctgatttg	atggccggag	tcctcaaggc	tatcctcgac	cgttcaaaga	360
tcaacccgc	cctcgtcgag	gacctgtgtg	tcggaactgt	gctcgcccc	ggtggtggtg	420
ctactgagat	gcgagctgcc	agcttggctg	ccggtttccc	agagtccatc	gccgtccgaa	480
ctctcaaccg	acagtgtctt	tctggtctcc	aggctactgt	cgatgttgcc	aaccagatca	540
agactggcat	gacgatatt	ggtatcgggtg	ctggtgttga	gagcatgtct	atcaactacg	600
gtcctggcgc	tgctcgtgag	ttctccgagg	aattcgagaa	ggtccctgag	gctgccaact	660
gcaagggtccc	tatgggtgtt	ctgtccgagc	agatggccaa	ggatctcggt	atcactcgac	720
aggcgcaaga	tactttcgcc	gccgcacat	accagaaggc	cctcaaggcc	caaaaagagg	780
gtctctttga	tgaggagatc	gctcctttca	aggccaagtt	cgaggacaag	gagggtaaca	840
ccaaggaaat	cactgtctcc	aaggatgatg	gtgtccgaga	aggcatcacc	gtcgagtccc	900
tcggcaagat	ccgccctgcc	tttgctaagg	acggatctat	ccacgctggt	aacgccagtc	960
agatctccga	tggtgccgct	gctgttcttc	tcatgaagcg	atctaccgct	ganaagctcg	1020
gacagaaaaa	tatcggcaag	tacgtctgcg	cctcaattgt	cggtgtcaag	cccctcctca	1080
tggtgcangg	gccctggaaa	gctatcccta	aggctctcga	cctcncgtgt	atctccaagg	1140
atgatttcaa	ccttttgagg	atttaacaag	gcttttgcca	gcctttgctt	gtggtcgcca	1200
caactggttt	nccccnaaaa	aattanccca	nggaagtgcc	ntgccttggt	cccccttggt	1260
gtgn						1264

<210> 78
 <211> 876
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(876)
 <223> n = A,T,C or G

<400> 78						
acgagttcgg	cttcaccgat	cagatggggt	aagggggtgag	atcagcgccc	tctctgggtg	60
ttggaagatg	aagcttgcc	tgtgccgtgc	cgtctttgag	gctcccgata	ttctgttgct	120
tgacgagcct	accaaccatt	tggatgtgaa	gaacgttaag	tggtcgcagg	agtacctcaa	180
gaactctgct	tgcaacttcta	tcacgtctc	tcacgactct	ggtttccttg	acaacgtctg	240
ccagcacatc	gttactacg	agcgattcaa	gctcaagcgt	tacaagggtg	acctggctgc	300
tttcgtcgcc	cgcaaccct	ctgctaagtt	ctactacgan	cttggcgagt	ccgagatcga	360
attcagcttc	cccagagccc	gtttccttga	agggtgtcaag	aacaaggcca	aggccattct	420
ccgtgccacc	aacatgtcct	tccagtaacc	cggtaacctc	aagccccaga	tcagcgacat	480
ctccttccag	tgttctctgg	gatctcgtat	tgcggttatt	ggtcccaatg	gtgctggcaa	540
gtctactctg	atcaacgtcc	tactggtga	actcatccct	acccaagggt	gagatctacc	600
agcacgagaa	catccgtatc	gcctacatta	agcagcacgc	tttcgctcac	atcgataacc	660
acctcgacaa	gactccttcc	gagtacatcc	agtggcgatt	ccagactggt	gangatcgtg	720
agaccatgga	ccgtgccaac	aagatcatca	ccgaagctga	tganaaggca	tggacaagggt	780
ctccgcattg	aaggtaccag	cgactgtcat	tggtatcaac	agccgaanaa	antcaagaat	840
cttacaatac	aatgttcttt	cccccccggn	gaaaac			876

<210> 79
 <211> 822
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(822)
 <223> n = A,T,C or G

<400> 79						
attagattat	acgccaatct	attgggagac	tgccaaaatg	tcgaaaatca	cagtcgctaa	60

tgtccggacc	caggtcggag	agctccttga	gtactccaat	gagaccaaga	agcgaaactt	120
cctcgagacc	gtcgagcttc	agatcggcct	gaagaactac	gacccccaga	gagacaagcg	180
tttctccggc	tccatccgtc	ttccctccat	tctcgcgcc	aacatgtcca	tctgcattct	240
cggtgaccag	cacgatatcg	atcgtgccaa	gcacgggtgt	gttgacgcca	tgtctgctga	300
tgacttgaag	aagctcaaca	agaacaagaa	gctcatcaag	aagctcgctc	gcaagtacga	360
tgctttcgtc	gcttcggagg	ctctgatcaa	gcagatcccc	cgtctcttgg	gtcctgggtct	420
gtccaaggcc	ggaaagttcc	ctacccccgt	ctctcacgcc	gatgatctca	ctggacgtat	480
caacgaggtc	aagagcacca	tcaagttcca	gctcaagaag	gttctctgca	tgggtgtcgc	540
cgtcggcaac	gtcgagatga	cccaggagca	gcttgttggg	aacatcatgt	tggccatcaa	600
ctaccttgct	tctctttctca	agaagggctg	gcagaacgtt	ggaagcctta	ccattaaggc	660
ttccatgtct	ccccccaagc	gcctgtacta	agtgtgtttc	tttggccttc	gcctgagatg	720
gttcggcaat	tgagttcgct	gaaatgtgga	cggtagcgta	gactaggatg	gcaggaaaaa	780
taaacaatac	gagacaaacc	acnaaaaaaa	aaaanaaaaa	aa		822

<210> 80
 <211> 987
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(987)
 <223> n = A,T,C or G

<400> 80						
tgaggacttc	actatgtcca	tcacccgtgc	cggtttcgag	gacttgaacg	ccaaggcttt	60
ntctggcacc	atcgagcccg	ttgcccagg	cctnaaggac	gccgntatcg	anaagaaggc	120
cgtcgacgag	attgtcctcg	tnggtgggtc	tacccgatc	cccaagatcc	agaagcttct	180
gtccgagttc	ttcgatggca	agaagctcga	naagagcatc	aaccccgatg	aggctgttgc	240
ttacgggtgcc	gccgtccagg	ccggtntnct	ctccggaaa	gccacctccg	ntgagaccgc	300
cgacctctc	ctcctngatg	tctgttctct	gtctctcggt	gtcgccatgg	agggtaacat	360
cttcgctctc	gttggtcccc	gtgggtaccac	ctgccccacc	ctcaagaagc	gaaccttcac	420
caactgttgc	gacaaccagc	agaccgttca	gttccccgtc	taccagggtg	agcgaaccaa	480
ctgtgaggac	aacaccagct	tgggtgaatt	cacttttgc	tctatcccc	ccatgcgcgc	540
cgggtgaggc	cgtcctcgag	tgtgtcttcg	aggtcgaatg	tcaacggtat	tctcaaggct	600
actgggtccg	agaagacctt	ccggggcgag	cgccatcacc	accatctcca	actccgtcgg	660
aaagctcacc	accgacgaga	ttgagaagat	gggtcaacgag	gctgagcagt	tcaagagcaa	720
cgatgatgct	ttccagaaga	agttcgaggc	taagcagcag	ctcgagtcct	acattggccg	780
tgttgaggag	atcgtcttcg	acccactctg	tccttnaagc	ttaagcgtgg	ccagaaggag	840
aagatcgaga	gcaccatctn	tgatgccatg	gncgggtctt	agacaacgag	agcccgtctga	900
ggacttaana	agangagctt	ggcctnaagc	gttttggttac	aanggcattnt	cctccgntaa	960
atgcncaaaa	ttgttgggat	tgannng				987

<210> 81
 <211> 650
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

<400> 81						
agaaggtctt	ctggactctc	tacactctcg	actgtttctc	tgctgctact	cttgggtcttc	60
ccaagcttct	caaagaggac	gaaatccaga	ctgaataccc	atgcgacacc	gacgatgagt	120
atgtgactga	gaaaggcttt	cagcctactc	ttccctggcga	gtatactcgc	ttgtctaatg	180
cactggccct	gtttcgtgcg	acgcgaattc	ttgccaaagg	actagagaag	aactaccccg	240
cctcaagctc	ctacgagata	tctcttcaac	agatggcttc	tcttgagagt	gagctggatg	300
cttgggtacca	tcagctgcct	tctcatctga	gactcaactt	tggtcaagac	aaaccgtcaa	360

cagatgtgac	tggcagtcgc	tcgcctctat	tagctctggc	ttattactac	atccgcacgc	420
tcatctatcg	tcctgccgtg	ggctccagtc	taggttccaa	ggcggcatca	gccctgatat	480
caatcggatc	atcgagtaag	cacatgggtc	agattcttca	gctgcttgaa	gagcgtggca	540
tgactttctc	attctgcctg	aacaagactg	atctactggg	tgatctgcgg	catgacgttg	600
ctctaccact	caattgatct	caaacaagac	agtaagataa	tgcgcgagnc		650

<210> 82
 <211> 1037
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1037)
 <223> n = A,T,C or G

<400> 82						
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atggcctcca	actacaccgt	ccgcaaggg	tgcggctccc	aacaccctcg	agcaccgagt	120
ctacatcgag	aaggatggac	agcccgtctc	tcctttccac	gatattcctc	tctatgccaa	180
ccaggagcag	actatcctga	acatggncgt	ggagattccc	cgatggacca	acgctaagct	240
tgagatctcc	aaggaggagc	ttctcaaccc	tatcaagcag	gatatcaaga	agggcaagct	300
tcgatacgtc	cgaaactgct	ccccccacaa	gggttacctg	tggaactacg	gtgccttccc	360
ccagacctgg	gaggacccca	acactgtcca	ccccgagacc	aagggcaagg	gcgacaacga	420
tcctctcgat	gtctgcgaga	tcgggtgagct	cgtcgggtac	ccccggtcag	ataaagcagg	480
tcaaggncc	cggtgtcatg	gctctnctcg	acgaggagga	gactgactgg	aagggtcattg	540
tcattgatgt	caacgaccct	ctcgttttca	agcttaacga	cgttgaggac	gttgagcgac	600
acctggccgg	ncttttccgt	gccaccaaag	agtgggttcc	gtatntacaa	gaattcccga	660
tggcaagccc	gagaacaagt	ttgccttaac	tggcgagtgc	aagaacaagg	actacgctct	720
tgacgttgtc	cgcaagtg	gcttgaggct	tgggagcgtc	tcgtaactgg	caaaaacccc	780
tctggcggtg	tttcaccaca	aacgtcaatg	gcagcaatct	cttctcgcgt	aagcctgaca	840
agcttcttct	ctgcttgcta	aaaaggagct	cccgcgcgaga	agatcgacgc	ttcattgaca	900
agtgggtctt	catcagcggn	gcctctgctt	aagtgttata	gaccatcttg	cataaaaaag	960
aacaatttng	atnggcattct	aagtnttaca	aaaagttgag	cataaatgct	tngagcaatg	1020
taaaacattg	atgcccc					1037

<210> 83
 <211> 871
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(871)
 <223> n = A,T,C or G

<400> 83						
cgtgaacttg	gcctcgagtc	tgacggcaag	gataagcttg	tcgaaaagtt	caaggagaag	60
gcaaacaatc	ttgccatgcc	cgaagctgta	cgcaaagtct	ttgacgagga	gcttaacaag	120
cttgctcatc	ttgaaaccgc	tgcttccgag	ttcaacgtga	caagaaacta	tctcgattgg	180
cttacccaaa	ttccctgggg	caggaggagt	gccgagaact	ttggcattca	tcacgctgtc	240
aagatccttg	atgaggatca	ccacggtctg	aaggatgtca	aggaccgcat	tttggagtgc	300
atcgccgctg	gtaagcttgc	aggcactgtt	gagggcaaaa	ttctctgctt	tgctgggcct	360
cctgggtgtg	gtaagacgag	tatcggaaaa	tctattgtct	gtgctctcaa	ccgagaatac	420
taccgattca	gtgtcggtgg	tctcacggat	gttgcttgag	atcaaagggg	cacccgaaga	480
acctacgttt	ggtgccctgc	ctggctcgat	gatccaagct	ttgaagaaat	gtcaaaactga	540
gaaccccttt	gatacttgat	tgacgagatc	cacaagaatg	gtagagggtta	ccaagggtgat	600
ccttcatccg	ctcttgctcg	aattgctcga	accccaagca	gaacaactcc	ttcttggatc	660
actacatgga	tgtgcccgtg	gacttatcca	aggttctgtc	gtgtgcaactg	ccaacatgac	720
agacactatc	cctcgccctc	ttttggaccg	aatggaactc	atcacccctc	cangatatgt	780

cgctgacgan aagatggcca ttgntcaacg ctatcttgcc cctgtgntaa ggaactggtg 840
ganttcaaaa gccgatncac ttttgagcga g 871

<210> 84
<211> 844
<212> DNA
<213> Fusarium venenatum

<400> 84
ccctcccaca accaactccg cccagatcaa tcaacaatcc gacaaaatgg cgcgccgtcc 60
cgctcgttgc taccgatact gcaagaacaa gccgtatccc aagtctcggg tcaaccgtgg 120
tgtccccgac cccaagatcc gaatcttcga tctcggccga aagcgcgcca acgtcgtatga 180
cttccctctc tgcattcacc tcgtttccaa cgagtatgag cagctgagct ctgaggctct 240
tgaggccgcc cgtatttgcg ccaacaagta cctggtcaag aacaccggtg aggagggttt 300
ccacctccga gtcctgtgct accctttcca cgtcgtccgt atcaacaaga tgttgtcttg 360
tgccggtgcc gatagactgc agaccggtat gcgtggtgcc tgggtaagc ccaacggcac 420
tgtcgccgt gtcacattg gccagattct catgagcgtc cgcactcgtg atgctaaccg 480
tgccatcgct ctcgaggccc tccgccgac tcagtacaag ttccctggcc gacaaaagat 540
cattgtctcc aagaactggg gcttactcc tctccgacgt gaggagtacc ttgacaagaa 600
gggtgccggc cgcgtcaagg tcgacggtgc ttacgtccag ttcctctcca accacggttc 660
tcttgagcgc aacatccgtc gtttccccga cgctttcaag tctgaggctt aaaggatga 720
ttgataggat ggaatatggg ttttctggcg tcaaatggc ttgtcaaata aggacctctt 780
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cttt 844

<210> 85
<211> 805
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(805)
<223> n = A,T,C or G

<400> 85
tacgcaactg ggctatctat gcacgaaagc atcgtctca ggatcttccc gtggagaacc 60
tgacacatat tctttactcg ttgcgtaata ttctgtagcga ctctggcgaa gtccatctca 120
ccgactcatg ggccgatacc gatattcatt gggatggaga ttccctggaat gatgtcggta 180
ccaacttgta cggttgcatg aagcagctta acctgttgaa aagacgtaac cgaaaacctc 240
aaggttcttc tcagtattgg aggttggacc ttcagtagca acttcaaggg ccccgctagc 300
acacccaag gacgtgacac attcgccaag agctgtgtcg atctgatcaa gaacctcggt 360
tttgacggta tagatatcga ttgggagtag ccccgagtag atggatgcac attgagccaa 480
gtcgaacttc tgggcgcgt gcgtcatgag atggatgcac atgcacagac attgagccaa 480
ccttatcact ttgagttgac tgtggcctgt ccagccggtg cgacaaactt ccagaagctc 540
gatatccgtg gaatggatca atacctcgac ttctggaacc tcatggctta cgactatgct 600
ggttcttggg accaaactgc gggcatcag gccaacctgt acccatctca cgacaacca 660
ntatcaacct cattctctac ctctgctgcc atcgactttt acgtcccagc ggtgtgaacc 720
ttcaaanata gttctcggca tgccactcta cggccgaacc tttganaaca ccgacgggtc 780
cngccgccct accaaggctt ngaca 805

<210> 86
<211> 628
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 86
acgccgtgca aactcatcga tctaggaaac ggcatgatcc ctgctcttga aaaccgagcc 60
accccatcgc ttgccgataa caccaaactt ttcgaaattc tacttgccga ggacaacacc 120
gtcaaccaac gattagcagt caagatcctc gagaaatacc accacgtggt aaccgtggta 180
ggcaacggct gggaagccgt caaagctggt caacgcaaga aattcgatgt cattcttatg 240
gatgtacaaa tgccaatcat gggaggtttc gaggccactg gcaagatccg agagtatgag 300
cgtggcatag gaagccaccg cacacctatt attgctctaa cggccccacgc catgatgggc 360
gatcgagaga agtgcattca ggctcagatg gacgagtatt tgtccaaacc tttgcagcaa 420
aaccacctca tccagaccat cctcaagtgt gctactcttt ggtggtccat gctcgagaag 480
aatcgtgaac gcgagtggcg ctccacgccg aaacgaaatc gaanataagg aagangccag 540
gcttgntgng accgacactn ganagccgng cttnacgagt cgnagcccta tggggaaggg 600
aagganagcc tgcattttgc accgggaa 628

<210> 87

<211> 993

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(993)

<223> n = A,T,C or G

<400> 87
cttgtccaca ccatctcttt ctccctcacc cgcgccttac gcgcgatctg tgtctactcc 60
agatttgac gttgacttct gcgacccaag aaacttgact gtcggtactg gcgctatcaa 120
cagcactctt gctcctgagt tctgtgccga cgagatcaag gttgagccca agatcgcttc 180
tcagtcgttt gacttcaacc ctgctgctca cggcctcccc acctttgaag acttttccga 240
gtttgactct gaggacgact tcgtcaacag cettgtcaac cttgctgagc agcctgccaa 300
cgcctctact gacattactc gacctcgtgc ctgcaccggg tcttcgggtg tctctctcgg 360
ccacggtagc ttcattggtg acaaagatct atcctttgac aanaacgaag ctttccaatt 420
tccttcccan cctagccctc cttccacctg cgtttccacc tgtgcttctg aagactgcca 480
ccagaaacaa gcgagtcaag aagtcccagt ccgaggagcg ccacactgct cccgccatga 540
acatcgctgc ttccgctgac gactctggca acgcccagga gtccccaac caggctgatg 600
agggtagcga ctctggtgcc tcctctgggt ccgagggttc tcctgctcct ctccctgctc 660
ctgccaaccg ccgaggacgc aagcagtccc tcaccgagga tccttccaag actttgtctg 720
cgatctttgc aaccgtcggt tccgcgctca ggaacacctc aagcgccact accgctctct 780
ccacactcaa ganaaccttt gagtgtacga gttggcaaga attctccgaa cgacacctgg 840
ccacatgccc gaaccacgcn cgtgccatct canaactgat gananatctc tgctacgtgc 900
tctatgtgtt gcgccannat atataatacg gnagtctctc aatgctcgag tctgcgcgca 960
tgaantttcg anagganaca gacaaaaanc agg 993

<210> 88

<211> 1157

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1157)

<223> n = A,T,C or G

<400> 88
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accgaattaa atgaaatgta ttgacaagcg gtaggtacta aaaaaanaaa catggctcgcc 120
aattcccggg tcagccttag atcccccgng gagatgctct aaccataaac cccatcagac 180
cactgacacg gccatcagcg ctgtactagg gactacnaaa tattgttttc ttcgttttcg 240
catcgcatga tgattatggc gctgggaatc atgagaataa cagaatcatg tttctccgcg 300
ccttcaatgc ttctccgggg gacgatataa agtcggcagt atagacacaa ttaacctaca 360

acaggcaciaa	taaacaaca	gcacatacag	aacagacacc	ataccgtcag	tacagaaaca	420
cacaatggct	ctcacagcag	cacaagtagc	tatcgtcaag	agcacagctc	ccattctcaa	480
ggagcatggc	aagaccatca	ctaccacatt	ttaccgcaac	atgctcggcg	cccatccga	540
gctaaagaac	tacttctccc	ttcgcaacca	acaaacaggc	gctcaacaag	ctgctctcgc	600
aaactccgtc	ctcgcctacg	ccacatatat	cgatgatctc	ggcaagctgt	cccacgccgt	660
cgagcgtatc	gcccagaagc	acgtctccct	cttcatcaag	gccgagcact	accccatcgt	720
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aaggatgctt	gggttgctgc	gtatggccag	ctcgcagaca	tctttatcca	gcgtgagggt	840
caagctgtat	gatgctacag	gtgaatggaa	ctcatggcgc	aagttcaaga	attgccaaga	900
aggaggctga	gaacgactct	gtcaccagct	tctacctga	gccttttgat	gaacaagcct	960
ttttccaagt	tcctttcccg	gacaatacgt	cagtctggna	aaattctatt	tctgagcttg	1020
atggctcttt	tcaaagccgc	aagttaagtc	tggagcgagg	gccaggatc	caacccttcc	1080
ggattagnng	taaagcttca	ngggccanag	gaggaccttt	cattgaanat	ttttcgttgg	1140
ggnangggcc	ccggnntt					1157

<210> 89

<211> 858

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(858)

<223> n = A,T,C or G

<400> 89

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cccatctctt	atacagtga	tatggccaac	cctccacca	ttgtcctcga	tggaggtagc	120
ggtttctctca	aagtcggata	tgcgcgcag	aactttcccg	agcatcaata	cccttccatc	180
gtcggccgac	cgatcctgcg	ttcagaggag	cagaccgatn	gcgatgttgt	catcaaggat	240
atcatgtgcg	gtgacgaggc	cgccgccgcc	cgaacaatgc	tccagatcag	ctaccccatg	300
gaaaacggta	tcgtcaagaa	gtgggatgac	atggagcatc	tttgggatta	cactttctac	360
gagaagctca	aggtcgatcc	ccagggccag	aagatcctct	tgacggagcc	tcccatgaat	420
cctcttaaaa	accgcgagaa	gatgtgcgag	gtcatgtttg	atagatatgg	attcggcggt	480
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gtagtgcgact	ctggtgatgg	tgtcacacac	attgcccgt	ctacnaatcc	ggggtcctca	600
accaccttac	gaagcgatta	gactttgccc	gccgagacgt	cacgcgcaac	ctgatcaagc	660
ttgttgctgc	gccgnngcta	ctctnttaac	cgaaccgnc	gnatttcogan	actgtcccgc	720
caaatacaagg	anaaactatg	ctacntgtcg	naccaacctt	naactcaaaa	agcccttgag	780
tgaggatacc	accnttcttg	tcgangatta	cantntgccc	gacggacgng	tgatcccggg	840
gggcagagag	cgttttga					858

<210> 90

<211> 709

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(709)

<223> n = A,T,C or G

<400> 90

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ttggaagtgc	cccgctcgaa	cttgcaagta	ccacacctat	ggctggccaa	ctgagaagga	120
gatggatcgt	caccataacg	acaagcactc	tgatgcccc	gctatgtatg	agtgttcggt	180
caagccatgc	ccctacaagt	caaagcgtga	atcgaactgc	aaacagcaca	tggagaagct	240
cacggctgga	cctatgtncg	aaccaagacc	aacggcaaga	agctgccgtc	gatcgctggt	300
agcgttcaac	agcaaactcc	ccctctgggc	aacatgtcta	caccatcttc	aatcgactac	360
aacaatgtcc	cacgcctcca	caaaacgact	gacacaattc	atgggcaacg	actttcctct	420

ttacccccacc	gactctgact	ggatgtcagt	taacaacatc	ccctctgagg	caatgcatat	480
ggatctgact	cttgattcga	cttcgcctgc	ttctgctagt	tcctacgaag	cagtatgcac	540
catatcaaaa	cggttcagct	tttatccttg	acaacgaaga	tctttacgct	gctactatgc	600
aacttccggc	tcagttccct	cgcttgagca	agttggcatg	tncggtaac	ctaagatgat	660
gcaacagcag	ctgcccattg	tccagcaaag	ttcctcaaca	gattcctca		709

<210> 91
 <211> 980
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(980)
 <223> n = A,T,C or G

<400> 91						
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ctccaagggc	aagaagggcc	tcaagaagaa	gacggctcgac	cccttctccc	gaaaggactg	120
gtactcgatc	aaggccccta	accctttcaa	cgttcgagat	gtcggcaaga	cccttgtaga	180
ccgaaccact	ggtctcaaga	acgccaacga	cgctcttaag	ggccgtatcc	tcgaggtctc	240
tctggccgat	ctccagaagg	atgaggacca	ctccttcgcg	aagggtccgc	tccgtgtcga	300
cgaggtccag	ggcaagaact	gcttgactgc	tttccacggg	ctcgacttca	cctccgacaa	360
gtcccgatct	ctcgctccga	agtggcaaac	tctgattgag	gccaacgtca	ctgtcaagac	420
taccgacgac	tacctcatcc	gcctcttcgc	cattgggttc	accaagcgac	gaggaaacca	480
ggtcaagaag	accacatacg	cgccctcttc	tcagatccga	gccatccgac	gcaagatgac	540
cgacatcatn	cagcgtgagg	cttcaagctg	cactctcacc	cagcttacct	ccaagctcat	600
tcccagggtc	attggccgcg	agattgagaa	gtccaccag	ggcatctacc	ctctccagaa	660
cgctccacatc	cgaaagggtca	agctttctcaa	ggcccccaag	ttcgatctcg	gtgccttgat	720
ggctctgcac	ggcgagtctg	gtaccgacga	ccagggccag	aagggttgagc	gggagttcaa	780
ggagcgtgtc	cttgaggagg	tttaaaagga	ttattttggc	aggttggcgc	ggggtaggca	840
atagggcctc	gcggcgaata	aactcatccc	taccaaattt	tttcggtcgt	ccaaatggcg	900
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cgttcagtc	acccaaaaaa					980

<210> 92
 <211> 1549
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1549)
 <223> n = A,T,C or G

<400> 92						
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ctacgtcgtg	gatcgtatca	atgccttcca	ccccacgcct	gagcatcctt	tcattctagg	180
tttgcccaca	ggctctagtc	ctatcggcgt	ctacaatgag	ctcgtgcgca	gctacaaggc	240
tggccaagtc	tcgttcgaga	atgtagtcac	cttcaacatg	gacgaatacg	tcgggtcttc	300
tcgggacgat	cccaactcgt	accactcatt	catgtggaag	cacttcttct	cccatgtcaa	360
catccatcct	tccaacgtac	acatccttga	tggtaacgct	gccagccctg	aggttgaatg	420
tgatgcgtac	gaagaggcta	tcaaagccgc	cggtggcatc	gatctgttcc	ttgctggcat	480
tggtgaaaat	gggtcatatc	ctttcaacga	acctggatcc	agtcttgcca	gccgcaccag	540
aatcaanana	ctagcctacg	acaccatcct	ttctaactca	cgcttctttg	anaatgatgt	600
gagcaaagtg	ccaaggatgg	ncttgactgn	aggcgtccag	actgnccttg	aagcgagaga	660
aagttgggtg	attatcctgg	gagcccgcag	gnacttgntt	tacaaaaagg	gggtcgacaa	720
gggcgtcagc	cacatgtggt	cactatcatg	cctgcaaatg	caccacatc	ccatgattgt	780
cgtcgatgaa	gacgccacac	tagaactaca	ggtcaagaca	gtcaagtact	tcaagagtat	840

cgagaaagtt	gctcgcgagc	agggattcga	gcagattctc	ccctcaaaag	tacgaactgg	900
caacgtcgcc	atccccgaaa	ccaagatcca	tagaaccag	agccccgtca	tcatcgctcc	960
cgagcctatc	gcctcgcacc	ttttgcgcgc	aacacccatg	ggtgactatt	ctatgagaac	1020
accctcgccc	gacctattgc	cggatcgcat	ggcttcacgc	atccccgaac	caaacttgaa	1080
ccgcgactt	acaccaaate	ttgaagttca	gaccgacgtt	cctaagacaa	agggtgatat	1140
gatcgatagc	gcggttgcca	tgtctccga	acttgctctc	gatttccttc	agccgccgat	1200
gacaaagaca	agtctgaatg	gcagattgac	gcctaaccac	gaattgtagg	atggaatgaa	1260
ccctgaacca	agctctgaatg	gcagattgac	gcctaaccac	gaattgtagg	atggaatgaa	1320
tactggtgaa	ctttattaag	tggagaagaa	taaggatgtc	nagtcantag	gaagatggcg	1380
tagtagaaat	ggagattagg	actgtatcaa	tatcggtata	tcaaaacaaa	tgaccttatt	1440
gcacgcctac	caggtaggcc	gcacgaaaac	tggcgctgat	taaagtaggt	tatagaaata	1500
ttagatcatc	tctagtgtgt	agctagccta	agagtgtcta	atatttttcg		1549

<210> 93
 <211> 1670
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1670)
 <223> n = A,T,C or G

<400> 93						
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gtgaaagcaa	gaccttcctc	gcccgcctct	gcgagcaggc	tgagcgctac	gatgagatgg	180
tcacctacat	gaaggagggtg	gccaaagctgg	gcggagagct	caccgtcgac	gagcgcaacc	240
ttctcagcgt	tgctacaaag	aacgtttgtcg	gtactcgacg	tgctcctggg	cgcacatttt	300
cctcgatcga	gcagaaggag	gaatctaagg	gatccgacaa	gcacgtttcc	accatcaagg	360
actaccgcaa	caagatcgag	accgagctcg	agaagggtctg	ccaggatgtc	ctcgacgttt	420
tgagcgactt	cctcattcct	aacgctgcc	ctggcgagtc	caagggtctc	taccacaaga	480
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ctgccaccgc	tgccacagat	gcttacaaga	gcgccaccga	tggtgctcag	actgagctca	600
ctcctactca	ccccatccgt	ctgggtcttg	ctctcaactt	ctccgtcttc	tactacgaga	660
tcttgaaactc	ccccgaccgt	gcttgccacc	tcgcgaagca	ggccttcgac	gatgctattg	720
ccgagctcga	ctccctgtct	gaggagtctt	accgtgacag	tacctctatc	atgcagcttc	780
tccgcgacaa	ccttaccctc	tggaacttct	ctgacagcgc	tgagggcgag	gccgcccgtg	840
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tctcggcata	taagaaccga	aaagtattct	cgcccgggta	caactcgtctg	gccctggaca	1020
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cgcnngggcg	tgcttttttt	cacgacgatg	gagaggggag	aatggatcaa	ataagggtct	1140
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gtctatctct	ggcacctagc	atttgtgtat	ctctctcact	tccgtcttgt	tggtcattaa	1380
gaaagtggac	agggcatacc	ccatcccgat	ggatcgccac	gaagaaggct	ttctcatggt	1440
acgccttttt	ctcccttgnc	ccatgctggt	tatgtctttt	cgttccctgct	tatcggtccc	1500
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tctttaaaaa	aaaaaaacca	ctttccctta	aaaaaaaacc	ttacattttt	tgctcacagg	1620
taccgagaag	agagactggt	gctctatctc	atttcgcttc	tttctccttg		1670

<210> 94
 <211> 859
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(859)
 <223> n = A,T,C or G

<400> 94
 gcccctactg agaaggggtca gacgcgagag actggattcg acatcacctg cgctagttag 60
 tgtatggcta tcctcgccct cagcaacaac ctggctgaga tgcgcgagcg tctgggatca 120
 atggtcgtag ccacatcacg aggtgggtgac cctgtcacag ctgacnatct tgggtgctggt 180
 ggtgccctca ctgctctcat gaangatgct atcaagccca acctcatgca gactctcgag 240
 ggtactcccg tctttgtcca tgctgggtccc tttgccaaaca ttagcattgg acagactcta 300
 tcctcgccga acaagcttgc actgaagctt gccggtaccg aggctgaata aaaaccacaa 360
 ggagaaggcc ggtttcgtcg ttactgaggc tggatttgac tttaccatgg gaggtgagcg 420
 attcttcaac atcaagtgtc gtacctctgg acttgttccc gacgttggtg tcatcggttg 480
 cactgtccgg gctctcaagg tccacggcgg tgccccccct atcgctcccg gtgctgccct 540
 cagccctggt tacaaggaag aaaaagtcaa tatcctgctg gctggctgcg tgaacctcaa 600
 gaagcaaatt gccaatgcca agtcttttgg tattcctgtc gtcgtcgcaa tcaacaagtt 660
 tgcgaccgac acagatgctg aaatcgctgt catccgcgag gaggtgtgtc cggctggtgc 720
 tgaggatgct atcctgtcta accacttggg ctgagggtgg caaggggtgcc cgttgacctg 780
 gcccacngtg tcattgcggc agctgataag cccaaggacc tcaagttcac ttacaacctt 840
 cnanggaacc cntccaaga 859

<210> 95
 <211> 1107
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1107)
 <223> n = A,T,C or G

<400> 95
 ccaccgtctg cctcgacggg gaggtcctga aggtctcgcc ccagggcaag gacatgtctt 60
 cgcacattgc tccccctatg tcgcctccca ttaagcctac cacttcgatt gccagggcct 120
 cagactcccc acgagaccgc cgactttctc tgctgggtaa cttccagcct ctgaaccgcc 180
 tccgggggtg tgactctggt gctgttggtg ccaatctgcc ttcgcccgtc cgtgggtgccg 240
 cccctgttga cnaactcgcc cctgggtctg agctccaacc tctggtcagc tcgtcgctcc 300
 aacagcttct ggctcgacct tcgtcggttca agaaactcac gttctgtccg tcaaagctta 360
 cagtcganct gatcttcatc tgctcttcac tgttgccgan ganatgcgtc ttgggtgtgca 420
 acntgaaggt gtcttgaaca tctccgaag tctgtgtgtg acacactctt ctacgaacct 480
 tctactnta catcggcgtc gtttgatgct gccatgcaac gtcttggtgg gcggnacct 540
 cgccatctcc acctctcact ctcccgctca gaaaggtgag accctccagg acaccctccg 600
 aactctgggt tgctacgggt atgccgttgt cctccgtcac cctgaggaga ccagcgtcca 660
 cggtgcccag aagtacagcc ctgtccctgt catcaacggt ggcaacggca gcaaggagca 720
 ccctaccag gctttcctcg acctcttcac catccgtgag gagttgggta ctgtccaggg 780
 tttgaccatc accttccttg gtgaccttct ctatggccga cctgtgcaact ctcttggtga 840
 cttgctccgc cactaccagg ttcangtcca gcttggtgtc cccaagtctt tggctctgcc 900
 caccaaggtc cgagagcagc tcatcgcttc tggccaactt ctctgcgagt ctgagactct 960
 tactcctgag atcctggctc gtaatgatgt cctgtactgc acacgtntng cagcgcgagc 1020
 gcttccccag tgaagaagaa taccacgggt caagaactct taccgcgtgg acaaccttcg 1080
 ctcaancatg ccaagaactc ttgcatt 1107

<210> 96
 <211> 931
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(931)
 <223> n = A,T,C or G

<210> 101
 <211> 1380
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1380)
 <223> n = A,T,C or G

<400> 101
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 cacgcccgcac gactcatttc taccgatctt attgacttgt cttaccgcga cataacgagc 120
 agccgccatc atgaaccccg aatacgacta tctcttcaag ctctctctca tcggagattc 180
 cgggtgttgga aagtcttctg tgcttctgcg atttgccgac gacacctaca ctgaatccta 240
 catctccacc atcgggtgctg acttttaaat ccgaacgata gaactcgatg gcaagaccgt 300
 caagcttcag atttgggata ccgcgggcca ggagcgtttc cgaactatca cctcttccta 360
 ctaccgtggt gccacggca tctgcgtcgt ctacgatgtt accgacatgg actctttcaa 420
 caacgtcaag caatggcttc aggagattga ccgatatgcc acagagggtg tcaacaaagc 480
 tgctggtcgg taacaagagc gatatgtcag acaagaaggt cgtcgagtac agcgtaaccc 540
 aggagtctgc cgacaggctc ggaatttcat ttctngagac tttcggcaag aacgccagca 600
 acgtcgagca ngctttnttg gaccatgggc cgtcagatca aggagcgcac gggcaccacc 660
 acagccaaca acaccaagcc tagtgtgcaa gttcgggtcaa ggccagggtg ttggctcttc 720
 ttccaacaac agctgctgct aaatgcattt gcgctctcct ttctcagtga agcaggatga 780
 cggagtacag ccggaagatg ggatcatgct agggatacga ccagacaaat tcaattacga 840
 tgtttgcttt ctaccttttc tctcgtcgtt ccgcatagac cagatcataa tcgctcggat 900
 tatgcatttc gttactgcaa ttacgactct tattgccttc agtaccaga ggaacggctc 960
 tttccctctc tacgctgcc acggaccctg acgctaaacg cgggtggaaaa tagacggagc 1020
 gatattgatt gtggggatgg acttgagag ggaggtttgc agatacggag gcaggtccta 1080
 tgttcctggg cgggtggctg tggaagggtt tgccgacgcg caagctgtat tttctcgttt 1140
 tcttcctttg ccgtgccttc tatcacggaa cgcaaacatc gaagggcatc ttgtcgggtc 1200
 ttgttctttt taacctgcca ttcattcgtt ggaaacatca ttttgccac cctcgttctn 1260
 ccttttgcca atcctggtct tttgttattt tgtagtctt tttgagcca ccaagaagt 1320
 acaaganaaa ggttggtgct tancgggtt ttnttacctg gggttttgaa atcggggggg 1380

<210> 102
 <211> 579
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 102
 cgccattgtc ggatctcact caggggtcaa gacatgtcga tgggacaaaa tcagctcttc 60
 gtggacgcgg ctctgtttac aaatgggtcat tctacgggtat tgccaggtcat caatgtatgg 120
 aaacaacccc ttgctctctc tgctcgaaca agtgtgtctt ctgttggcgc cacggcacia 180
 acccagtttg aacaacatgg cgatgggttg tggaccctcc tgatctcctc tttgacggcg 240
 tcaaaatgaa ccattacaag aagatcaaaa tgctgcgtgg catgcctggt gtgcgagctg 300
 agcgattcgc cgaagctatg cagattagac actgcgctct atcgtttgtc ggagaaccca 360
 tcttctaccc ctatatcaac gaatttctcg gcatgttaca tgccgaacgc atttctctt 420
 tccttgtctg caatgctcag catcctgacc aacttgcgga tctcaaagcc gtaactcagc 480
 tatacgtatc tattgatgca gctgataagg aatcactacg gagaattgac agacctcttc 540
 acaganactt ctgggaacgc ttcaaccgct gccttgaca 579

<210> 103
 <211> 928

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(928)
<223> n = A,T,C or G

<400> 103
cgagatcagt ctacctgtnc cagcacgttc atcgactcgc tgtagtttta tctgtccaaa 60
ttatacaatc gtccactccc aatcgtatca gtgttcaagc ttgctcaaaa tgagacctc 120
cctcatcaag cccctcctac cccgccatac ctgcttctct gccgcgagaa cttcttcttc 180
tcttctctca ctctccaaca caatcaaadc tgttagattt ttctcagctt catccgcagt 240
catgggtaac aagggttttct tcgatatcac ctgggagggt cccgtcttcc agaacggcaa 300
gcccacctcc accgttaagg agcagactgg ccgcatcaac ttcaacctct tcgacgacaa 360
gggtccccaag accgccgaga acttccgtgc tctctgcact ggcgagaagg gtttcggcta 420
caagggtctt tctttccacc gaatcatccc tgacttcatg cttcagggtg gtgacttcac 480
ccgtggcaac ggcactgggtg gcaagtccat ctacggagag aagttcgccg acgagaactt 540
caccttgaag cagcagaagc ccggtctgct ctccatggcc aacgctggcc ccaacaccaa 600
cggtctctcag ttcttcatca ccaccgtcgt cacctcttgg ctcaacggac gccacgttgt 660
ctttggtgag gtcgctgacc agcagtcctt tgatgtcgtc aaggcccttg aggctactgg 720
ctccggcagt ggtgccgtca agtacaacaa gaaggccacc atcgtcgact gcggtgagct 780
gtaaacagct caatccgtac gacgtggcga gcgggaattt ggaattgcat aacaaaacct 840
cactgagggc tggcgacatg gagctagtta gtcacaggct agtaaaagca tctagctatt 900
gaacaatgtg aaccaataaa cccaanan 928

<210> 104
<211> 670
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 104
naacatnaat cgatnccctt ttcccgttgg aactgagtc tttatctnngg atataccttc 60
attgaacctc tgtcctactg tacctacctt tcattcactt acaccagcct tcaacatgac 120
caccgagttt cttcctgctt cagccagctc tgcttaacgat tacattatcg tgggtggtgg 180
cacggctggg tgtgttctag cttctcgtct ctctgcctac ctccctgagc gcaaggctct 240
tgtcattgag ggtggctcct cggacttcgg tctcaacaat gttcttaacc ttcgagagt 300
gttgctgctc ctcggtgggt acctcgacta cgactacccc acaactgagc agcccaatgg 360
caacagtcac atccgacact cgcgagccaa ggttctcggg ggttgctcct cgcacaacac 420
ccttatcttc ttccgccctt ccgccacgat atggaccgtt gggctcttcaa ggggtgcaag 480
ggatgggact ttgaaaccgt catgcgcagg gtcgacaacc tgggcaacca ggtgaacccc 540
gtncaccccc gtcaccgtaa ccagttgant aaagactggg tcaangnttt gcttcgangg 600
catgggtatt tccattattc cacgaattta accacgagaa tttaananaa gggccaattg 660
gaccaagggg 670

<210> 105
<211> 998
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(998)
<223> n = A,T,C or G

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gagagcgagg	gtctcaagaa	gggtatgggt	cacgagcctc	accttttgtt	caatgctttt	540
gatctccaca	aggctcttgc	tgaggagggt	agcatgctta	aggtaagcc	ttggtaaatt	600
tagtctgggt	ttgtatataa	tgtggatggg	aaactagaaa	tgacaaattt	ttgcgtagcc	660
tttttttgtt	tgggaaggaa	atattggatt	gtggctacat	agatgttttg	gagataattc	720
cccagcaaat	taagcattga	atctgat				747

<210> 108
 <211> 1039
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1039)
 <223> n = A,T,C or G

<400> 108						
tcttnattaa	ccccaaattc	cataacgata	ccccttggcc	ttaaacaacc	tgccttcagt	60
caaataagaa	gatatggggg	ccaagtctaa	caagtgcgtt	tacttcgaca	agctcaaggg	120
cttgctcgag	gagtacagct	ccatcttcat	cgctcgagatc	gacaatgtca	gctctcagca	180
gatgcacgag	atccgacatg	ctctccgaag	caagggtgtt	gtcctcatgg	gcaagaacac	240
catggttcgc	cgtgccttga	agaccttcgt	cgccgactcc	cccgagtacg	agcgtctcct	300
tccccacgtc	aagggtaacg	tcggtttcgt	cttcaccaac	gaggacctca	aggaggttcg	360
cgatgtcatc	ctcgccaaca	aggtecgctg	tcttgcccgt	gccggtgctc	tcgcccctgc	420
cgacgtctgg	gtccctgctg	gaaacaccgg	tatggagccc	ggaaagacct	ctttcttcca	480
agctctcggt	gtccccacca	agattgcccg	tgggtaccatt	gaaatcacca	ctgatctcaa	540
gctcgttgag	gccggctcca	aggteggtec	tccgaggcca	ccctgctcaa	catgctcaac	600
atctctcctt	cacctacggt	atgggtatct	ctcagggtcta	cgaccagggc	cagaccttcc	660
ctcccagcgg	tcctcgacgt	cggtgaggag	cagctcctca	agaccctgtc	tgggtgctatc	720
actaccattg	ccactatctc	tctggctctg	aacttcccta	ccctgccttc	cgctcttcac	780
tccctcgtca	acagctacaa	gaagggttctc	gctggttgccg	ttgtcactga	ggtcacctgg	840
cccagatttg	agcagctcaa	ggaccgcac	gccaaccctg	atgcttacgc	ctctgctgct	900
cctgctgctg	ccgttccggc	gatgctactg	ccgctgctga	ggaagagaag	aaggacgagt	960
ccgaggaaga	agaagataat	gaaggctcgg	cgggtctcttc	cactaaatgt	accacatcct	1020
aacaagttac	antgccttc					1039

<210> 109
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 109						
cacatattac	tgaagctcaa	gttaaggtgt	caggcctcaa	acccaacgat	attataaaac	60
aaggctttcc	ctcatcattt	tttgaagccc	aaacatcgct	tgacaaattt	ctaacaagat	120
ggaccctcaa	aacccccaa	cggcgcaaca	gactcgtaaa	agacctgtct	atgatcccag	180
ccaaggtgga	cattacgggt	ctcccgctca	tctcgctcgt	caaggcttcg	cgccaagtga	240
gctgtatact	ggtccctggg	ccaatgccca	tcaaggtcta	accggccagt	acaaagacat	300
tctcacgacc	tactggcaac	ataccatctc	acacctcgaa	aatgatagcc	atgattacaa	360
gatccaccaa	ctcccgctgg	cccgtatcaa	gaaagtcacg	aangccgatc	ccgaagtcaa	420
gatgattttc	gctgaagcgc	ccattctctt	cgctaaagga	tgcgatatct	tcatcacaga	480
gttgacaatg	aaggcatgga	ttcatgccga	ggaaaacaag	cgcagaactc	ttcagcgctc	540
cgatattgca	tctgcattgg	caaagtctga	catgttcgac	ttcctgatcg	atattgttcc	600
togtgaanaa	gcctcttccc	acgccaaaag	ggcga			635

<210> 110
 <211> 612
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 110
 caacacccag tccgccacca ctgaacaaat ttcctattca ctataatact catctccgtc 60
 cctcgcccca tcgtgctgcc tcgggaaaat cttaaaattt gcttaatcct acatgtttgc 120
 tcaattctac gtcgagtgtt gaatcattca tcatgcctgc tccaggtgat caacattcgg 180
 tggtagcgaa cccttacgag gaaccacgtc cacgaattgc tgaatgggct gcaaaggaca 240
 ttgctacgat agcggcgaag ctcgacaaac aactcgggcc cgaatacatc tctgcacgcg 300
 caggccctgg tggtagcaaa gtccactatc tgactgctga gaaatgtatc accttggcga 360
 atgaagtttt cggtttcaac ggatgggtca tcttccattc agaacattca agtcgacttt 420
 gccgatgaaa acccccagac acaacgcttc agtgttggcc tgtctgtcat tgccgaatta 480
 cattaagggg tggaacgtac catgaggacg ttggctacgg ntncatcgag aacgcaaaaag 540
 gcaaggcaat ggctttcgag aaggccaaga aggagggcac tactgacgga atgaaacgtg 600
 cctaagnaaa ct 612

<210> 111
 <211> 930
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(930)
 <223> n = A,T,C or G

<400> 111
 gcgcccaccc ccaatccaat ccattccatat tatccatcca tccatcgctc ctctcgcttt 60
 tttctgcacc accactccaa ggaccgcccc acgatccaaa ccctttactc tatccctaca 120
 aacacagggt tcgacgcggt aaaccgcaaa catgggtctc gccttttcga agcttttcga 180
 cagactgtgg gggaagaagg agatgcgaat tctgatgggt ggtcttgatg ccgccggtaa 240
 aaccaccatc ctttacaagc tcaagcttgg tgagatcgtc accaccattc ccaccatcgg 300
 cttcaacgtc gagaccgtcg agtacaagaa cattcaattc accgtgtggg atgtcgggtg 360
 tcaggacaag atccgtcctc tgtggaggca ctacttccaa aacactcagg gtatcatctt 420
 cgtcgtcgac tccaacgatc gcgaccgat tgttgaggcc cgagaggagc tccagcgcat 480
 gctcaacgag gacgagctcc gcgatgccat tctccttgct ttcgccaaca agcaagattt 540
 gcccaacgcc atgaacgccg ccgagatcac agacaagctt ggccctccaca gcctgcgaca 600
 acgcgcctgg tacatccagt ctacctgtgc tacctcaggt gacgggtctt atganggtct 660
 cgagtggctc gccaacaccc tccgaaaggc gggtcaccag tagaaagatt gacgagaagc 720
 atctcttgaa gaaacccgcc ttttcctctt gctctgccac atcctctcaa atggctcttt 780
 gtgtcgactc gaggtttcgg ttgttatttg caaagttatc ggtcaaccaa tcgaaaatga 840
 atccttgaac caaagtgcga tctatcactt ttctattaaa caactgtttc taccttctct 900
 ctctctcatg gtgcttctcg tgacctctcg 930

<210> 112
 <211> 652
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(652)
 <223> n = A,T,C or G

```
<400> 112
ggcggaatg aaggcctgcg gcagagtgcg ggccttctgt tttgaggatt ataatcagag      60
tatattgaaa gtctcgcgat cttttcgtat aattgtttta ggcatagtgc aatcgataag      120
cttggctgca ggtcgacgga tcgcatgggc agcatcgccc tggaacacca ccgttccagc      180
gaaaaccagc aggaacccaa gagcctgacc gactgggccc cctatgactg ggaccgcaac      240
gtgatcgccc acgaattcag ccacagctgg gatggcaagt atcgccgctc ggccaagctg      300
tggaacgccc actatcgcca gccgatgcag gacaacctgc tgtgggtcta tgaagggcag      360
acgcagttct ggggcctggg cctggccgca cgctcgggcg tgcagagcaa ggacgtggctc      420
ttgggcagcc tcgccaacta tgccggcacg ttcacccaga ccgccgggcg cgactggcgc      480
tcgggtggaag acacgacgat ggatccatct tcgccgcccc caagcccaag ccctattcct      540
cgcttaccgc taacgaggac tattacaccg aaggcgcgct ggtgtggctg gaagcggggc      600
aaatnatccg cgatggaacc ggcggcaaga agggctggat tgatttcncc an                652
```

```
<210> 113
<211> 1210
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(1210)
<223> n = A,T,C or G
```

```
<400> 113
ggatcaattg gtaaaaatgt tcgccgcctc tcgcatccag cgccgtgctt tctccgccac      60
cgcccgggac ctttccaagg tcaccgttct cgggtgctggg ggtggtatcg gccagcctct      120
ctctctctct ctcaagttga acccccgcg t cactgacctc gccctctacn atatccgtgg      180
cggacccggt gttgctgctg acatctccca cgtcaacacc aagtccaccg tcaagggcta      240
cgagcccaac gctgctgggc tcaaggaggc cctctccggc gctgaggctc tcctcatccc      300
cgctgggtgc ccccgcaagc ccggcatgac ccgtgacgat cttttcaaca ccaacgcctc      360
tatcgctccg gacctcgcca aggcgcgcgc tgaggctgcc cccaaggcca agctcctgat      420
catcttcaac ccgctcaact ccaccgtccc tatcgtaag gaggtcttca aggtgctgg      480
tgtctacaac cccaagacct tttcgggtgc accacctcg atgttgctcg tgcctccgat      540
tcgtttccga aattaagggc accgacccca aggacgaaaa cattaccgtc gtcgggtgggc      600
actctgggtg caccatcgct cctctcttct ctcagtccaa ccaccccgac ctctcctcca      660
acgctgagct cgtcaagcgt gtccagttcg gtggtgatga aagttgtcaa ggccaaggat      720
ggtgctggct ctgccactct ctccatggcc atggctgggt cccgcatggc tgacttcgtc      780
ctccgcgccc tccagggcga gaagggtgct aaggagccc ctttcgtcga gtctcctctt      840
ntacaaggac cagggcattg agttcttcan ctctcaggtc gagctcggcc ccgaggggtg      900
tganaagatc caccctctcg gcaagctcga cgccaacgag gagaagctcg ttgacgcgcg      960
tctcgtcgac ctcaagaaga acattgagaa ggggtgttgc ttcgttgcc ccaaccctcc      1020
naaataaatt acttgagctc tcttcagatt aatggggacg tagtanctta aaacactatg      1080
cctcctgggn gaaaagggga aaatttaaaa cggaanctnt gtcgnngcac aagatgtntt      1140
tctgaggatt gggnaaaaaa acagggggcnt ataagcaatg gatatactat gtttccctcc      1200
cattggtccn                                     1210
```

```
<210> 114
<211> 930
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(930)
<223> n = A,T,C or G
```

```
<400> 114
ctgagaccaa gatgaagatc gcaaaggccc ttgacgacat tgggtgngaa tacctcgaat      60
tgacgtcacc tgcttctctc cccagctcta aggcgatgc ccaagccatc tgcaagatgg      120
```


ctcagcggtta	tcgaaaagtg	tggtccgtct	tgngaaaggg	ccaagggccc	cagcaacatc	780
aacaccagca	tgaaggacac	catggtcgag	tctttctact	aagcttgatc	tgtggattgt	840
tttctgcatg	taaattgatt	gcttggttgc	atgggctttg	ctgctgctac	ctactcttcg	900
ggtatcgatc	aaacgacgtc	attttccgcc	gcnaacgaaa	ttttaactta	taccgggccc	960
ngggggttggg	aatactgctg	aattttgcgg	atgggtttcag	gaattggtnt	tatgatgatc	1020
gaacgatagg	attcttttag	ggaaacggga	ccctntaact	agtnctttta	cggaacnaan	1080
aggacaaggt	tggtggggga	tganaacctg	gtggtacaaa	gggccatcca	tttgcaccnc	1140
tgggctnttg	ggttgctcaa	ggcncctccc	ntttgt			1176

<210> 117

<211> 957

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(957)

<223> n = A,T,C or G

<400> 117

aaggttacct	gcattgaaaa	gcgtggctcc	ctcggcggta	cctgcttgaa	cgtcggttgc	60
attccttcaa	agtctcttct	caacaactcg	catctctacc	accagattct	ccacgacacc	120
aagcaccgcg	gtatcgaggt	tggtgacgtt	aaacttaact	tggccaactt	catgaaggcc	180
aaggagactt	ctgtctctgg	tcttaccaag	ggtatcgaat	acctcttcaa	gaagaatgga	240
gttgagtaca	tcaagggtgc	tggttctttt	gtcaacgaac	acgaggtcaa	ggttgacctn	300
aacgagggcg	gtgaaaccag	tgtcgtggta	agaacattct	gattgctact	ggatctgagg	360
gcacaccttt	ccctgggtctt	gagatcgacg	agaagcgcg	tattaccagc	acttgggtgct	420
attggccttg	aggaggtccc	cgagaccatg	accgtcattg	gtgggtggtat	tatcggtctc	480
gagatggctt	ccgtttgggtc	gcgactcgga	tccaagggtca	ctattgttga	gttcctcggc	540
caaattgggtg	gccccgggtat	ggactctgag	atcgccaaga	acactcagaa	gataactcaag	600
aagcaggggtc	tcgagttcaa	gctcaacacc	aagggtcggtg	gccgggtgaca	agtccgggtga	660
caaagggtcaa	gctcgagatt	gacttccgcc	aagggtgcaa	ggccgatcta	tcgagtctga	720
cgttgnccct	ggttgccattg	cccgcagacc	ntacaccgtt	gcctcggcct	cganaatatn	780
gcctcgagggc	tgacaccgtg	gccgtgtcgt	gacgactccg	ataccgacca	agatccccac	840
atccgatgtg	tggcactgcc	atttggctct	atgcttgcca	caaggctang	aggaggccnt	900
gctgcgttga	gtnatnaaga	aggatacggc	acgnaacttg	ggcctttctt	nagtatt	957

<210> 118

<211> 1543

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1543)

<223> n = A,T,C or G

<400> 118

gcgtcatgcy	tcaatgcccc	catatgctct	cgagtactct	cccgcctccat	cattcgctctc	60
ctcccagtag	gaggactaca	gcaaccgagg	aatctccttc	gaacccatca	cgctccgca	120
acaggcggtg	ggtatctctg	ctgaacctgc	gtatatcgcc	aacgaggaga	ccggtctgta	180
ctccgccatc	ccagatcata	tggttagcat	gaacggactc	aacggcatgg	ttcagcttcc	240
tccatccaac	ttggctggcc	cccagttctc	tgcctccctat	ggtacaaaaca	acgtctactc	300
tgtgatcgaa	ggttcgccga	catataagcc	aaaaaaaaacg	ctttcatcca	ttccccatc	360
tatttcggcg	aatcgcgccc	cccaactgcc	cttctcaccc	cagcacactc	acactttcgt	420
ccaaccgtct	gattctgcga	acgtccgttt	ccgtctcccg	ttngccccgt	tgctgaggtt	480
aatgaattct	tgcaaaacaac	tcacctcctg	gcctgtcata	cagcacttct	ggcatatcga	540
atgaaaagcc	aacaccacca	gaacatgtct	tcaacacgaa	actccactgt	ctgctgttga	600
aggaagcccc	gctacccatt	ctatgggtct	gcatcaggat	ttctcccacc	tcgccagtga	660
ggaatacaac	ggcgacggct	cattgagcga	gcagcgacga	tctgcacccg	cttctaaccg	720

tgctgtccga	cgggctcggt	ccgctactgt	tatggaagtt	ggtccttata	cccagaagtc	780
ccactcctgc	cctattccca	cctgtggcgc	tctcttcaag	cgtttagagc	acctcaagcg	840
acacgtccga	acacacacac	aggagagacc	ctatgtttgc	cctcactgca	gcaaggcctt	900
ttcaagatcc	gataatttgg	cacaacacaa	gcgaccccat	ggtcgcgaag	acggcgggtga	960
cggttcatta	cacctgtctg	gtgatgaana	ggaggacttc	tccggtgatg	accatctcgg	1020
ctcattggaa	gangcttccc	ctcactctga	cagtgcatac	gtgacgggct	cgctgaatac	1080
tgccgctcat	ggctcgactc	ccccttcaag	caatgcaccc	acacaaacct	tcnacagcct	1140
cgaaacntt	agcatgccca	tgacnataac	caaccggntg	ctatcaacgc	tagcngcatg	1200
atgttacggg	tgaattatgt	ncaacttgtc	nttttatttg	cacacagttc	ataactacaa	1260
gggatttatg	gcttcaattt	tggcggaat	ctgcaacggg	ttttgcgtgc	actctgcttg	1320
actttcctat	gttcatattt	tactacattt	atTTTTTTTg	ntggaagcgc	tcacggnng	1380
ccaaaatatg	gttttgatag	acccatgctg	nggtagctgg	gacaaagctt	ctgatgaagg	1440
gctgnggtca	tcataaanac	agcattatgt	tgaggagtnc	aaaggatgca	tntatatata	1500
aataggtgcc	gtcttttgat	gattggtaaa	ntattttaaaa	tat		1543

<210> 119

<211> 563

<212> DNA

<213> Fusarium venenatum

<400> 119

tacaaacgct	atccaatggc	cgacgaatca	aagaaagatg	gtggtatcac	ctttgcaggc	60
caagacaagc	tgccgaagtt	gccgatcccc	gagctagaag	ccagttgtaa	gaaatatcta	120
gaagctctta	agccgcttca	aactgctcgc	gaacatgcac	aaacacagta	tgcggtgaac	180
gagtttctta	agggcgacgg	ccctgagcta	catgagaaat	tgaaggcata	tgctgagggg	240
aagacaagtt	acatcgaaca	gttctgggtac	gactcttata	tcaactttga	taaccccggt	300
gttcttaaat	tgaacccttt	ctttcttttg	gaagatgacc	cgactcctgc	tcgtaacgac	360
caagtcaccc	gcgcgcgttc	tttggtcgtt	tcgtctcttg	aatttgctcg	cgctgtgcgt	420
aaagaagaac	ttgccccaga	caaggtcaaa	ggaacccccc	tttgcatgta	ccaattctcg	480
agactgtttg	gtactgctcg	gggtgccact	gaggaaggat	gtcaaatacga	gcaagatccc	540
gaatcgaagc	acattgtttg	tat				563

<210> 120

<211> 856

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(856)

<223> n = A,T,C or G

<400> 120

ttcttaacga	accatcttcc	tccaaatccc	gcctcttcta	ctctttcagc	cttgactgaa	60
tttcttttacg	ctgacatata	gtcgacaatc	cagcaaactt	ctctccctca	acacataaat	120
acgacttggt	ctcctgtttt	attacatcag	gacgacctct	tctttgcaaa	tcaacgaccg	180
cgataactcg	caacacctat	cttagataacc	cccttctaca	catcaaaaat	ggctcttaag	240
cgtattaaca	aggagttgac	tgatctcggc	cgagatcctc	cctcttctctg	ctccgctggc	300
cctgttgggcg	aggatctggt	tcactggcaa	gctacgatta	tgggtccttc	tgactcccct	360
tactccggcg	gtgtcttctt	ccttgcgatt	cacttcccta	ccgactaccc	cttcaagcct	420
cccaagggtca	acttcaccac	acgcactctac	caccccaaca	tcaactccaa	cggaagcatc	480
tgcttggaaca	ttctccgaga	ccagtggagc	cctgctctga	ccatctccaa	agttcttctg	540
tccatctgct	caatgctaac	ggatcctaac	cctgacgacc	ctntgggtgcc	tgagatcgcc	600
catgtctaca	agactgaccg	accccgatac	gaggccacag	cccagagagt	gactcgaaag	660
tccccattta	aatgacnata	tggacgaagg	cgggtggacc	ttgagtcgat	ttgtttccct	720
atcatgagcg	acgtgaaacg	atcgagtggg	aacttcccac	ggcggtgcna	tatggcttta	780
agtcggcggtg	acccaaaaag	atgttttttg	cctgtatcga	ngcttttact	gggggttgac	840
aaanaagaaa	ncaacc					856

<210> 121

<211> 746
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

<400> 121
 gcnatataac gttggtgacg aggtcgagtt gagcgctccc gctgganagt tcttcctcaa 60
 ccccgccgac gcctcagccg agaagaagcc tcttggtctc ctctcgccg gtgttgagc 120
 cactcctctc atttccatcc tcgattccgt tctcnaatcg gagactgcct cgcggcctat 180
 cacatggatc catggagctc gttattccgg ctcgacatgc ttcgtgcctc atgttttgga 240
 ctcgcccaan aagcacgaca acatcacccg caagatcttc ctcgaggatg tcaaagaagg 300
 cgaccagtac gactttaagg gcgagatcga tcttgctcgt ctgcaaacgg acaagcttct 360
 ccagcttgac agctctgatg ctgaatactt catctgcggt cctgaggact ggatgggtcaa 420
 ggtcagggcg ttcctcgagg agaattggagt tccccgcgag cgtcagcacc tcgagttggt 480
 caagactggt gacgtctaaa atactgtgaa agcgtcatag attgtgtntt tttatcaaat 540
 tgtgaattgg ttttgattgg catattgaag gcgttgggga ctgcttcatg gggaggggtg 600
 attattcgag acgcttgaat tgaccaaaga ctacatatac tagataccag ccactaccct 660
 catctcaaac aaaaataaaa agttatttnc ttctaaaaaa aanaaaaaaa tncctgcggt 720
 cgttcgagca tgcatttnna gggccc 746

<210> 122
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 122
 catgcttgct ctttctttga tgacagtcga cccgaccgag gatcctgaag aggcgttcct 60
 tcgtaccgtt aataccgaa ttgccggtgg tggaggctg gctgcaacag ctgaaccacc 120
 gcgtgtagtg gtagacgtac ganaattccg ttctcttta ctttactcc ttcacggctg 180
 ctccatggtc atagtcccat gtatgctcac gggtggggat tacattctgt caccgaatat 240
 ctgtgtggaa cgtaagtcca tcagtgatct gatctcatcg ttcaaggatg gcaggctcta 300
 cagtcaggcc gagaccatgt tccagtacta caagaatgtg atgcttctga tcgagtttga 360
 ccagaacaag tccttcactt tggagccatt cgctgatctt tctggaagcc tgagcagtgt 420
 tgccccaaact aacatgtcat ccgaccttca atccaaacta gtgctactca ccatagcatt 480
 tcccaagttg cgcacatctt ggtcctcttc tccctatcag accgccgaga tctttgagac 540
 ctcaagacca agaagaagan cagatccgat cgccgctgtc aaaactggt 589

<210> 123
 <211> 2338
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2338)
 <223> n = A,T,C or G

<400> 123
 gaagaatggc cagcagtttt tggagtataa tattattggc ggtgttctcg acttttactt 60
 cggttgctggg ccatcgcttc gtgatgtcgc gaagcagtac gccgagatta ccactctacc 120
 cctcatgacg ctttactggg gtctcggttt tcaccagtgc cgatacggct accgtgatgt 180

<211> 1700
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1700)
 <223> n = A,T,C or G

<400> 125
 caacgacgcc aacgaaacgt aacgacgact ctttttctct ttacacccat acacaccacc 60
 acttcttttt actaccaatt aatactcact cacattttaat acgtcgtcat catgtggatc 120
 gtcaactggg tctacgatgt gctgtcctcc ctgggcctgc tcaacaagca cgcaaagctg 180
 cttttcctcg gtcttgacaa cgccggaaaag actactcttc tccacatgct gaagaacgac 240
 cgtgttgcca ttctccagcc cactcttcac cccacatccg angagcttgc tatttggtaac 300
 gtccgcttca ccacttttca tcttggtggc catcaacagg cccgacgtat ctggcgcgat 360
 tacttccccg aggtcaacgg tgtcgtcttc cttatcgacg ccaaggacca cgagcgattt 420
 ggtgagntca agggcgagct cgacgccctc ctctctatgg aagaactttc caagggtccc 480
 tttgtcatcc tcggcaacaa gatcgaccac ccgatgccgt ctccgaagac gaaatgcgac 540
 accaactcgg gctctaccaa acaaccggta agggcaaggg tcaacttgag ggcacccgac 600
 ctattgagct cttcatgtgc tcantagtta tgcgcccaang gttacgggga cnggtataag 660
 cctgggttgg caccagntacg tctaaaggga aaaccngaaa ggggaaacgg ggggtgggnt 720
 ggagattata tcttacgtta cgttacnatin cttgggtcgan ngggaaaacg aagacatgtg 780
 actattcatt gttgttgcaa catttcanaa attcttcgtt ngcgtcgcgg cccatgaagt 840
 tcaggatggc ctgcacgcca ccgggtgttc ttcgagccag tcgttcaggt ccaggacgac 900
 acccttgacg acgaccacga cgttgtcctn ggtgttggtc tctggatntc ntccatgggtg 960
 tatcctttnt cgggaacctt gaaggccttg ggtcgttggg cttagcagcc ttggcaccat 1020
 cctccttgac ggggttggga ccggcgccaa cgctgggtgt ttgtcgacct ttgaaggagt 1080
 ccggaagcct gaagaagcgg ccgacaggag accccaggag acagtcacct tgggtgggga 1140
 ttgaaggatc gaggtgcaga gagatttgac caacacgttc agcggcgctg ccagcactgc 1200
 ccttaagggg gttctggaag aggtagttag tggcagtgac accagcaaca cgaccgtaga 1260
 caacacatcc gagaagagaa gaaccaccca gacggttggc accgtggaca ccaccagcca 1320
 actcaccaca ggcgtagaga ccgtcgaaag gctgcttgct ctgggtgagg acctgggcct 1380
 tgtcgttgat ctcaatacca cccatgggtg agtggagaac gggctccatg acagcgacgt 1440
 ggaagtcgtc gtcaacgttg acgggcaggt tgtggaagaa cttcttgccc caagggtcct 1500
 tctgcttgcc gtcggcaata tcgttgatag tagagaaggt cttctggagg tgctcggggg 1560
 tgcagccaat ctccttgga agctccttac cagtcattct cttcatgaga ccacggccag 1620
 agtagtgggc agtggtgaaa tcaaggacct tgggaagcct ggagttgaga ataagtcgga 1680
 tagggaactt gtccttcttc 1700

<210> 126
 <211> 819
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(819)
 <223> n = A,T,C or G

<400> 126
 caaggagcaa gtcaagatgc cccccgcgc ccactccaag acctntcgtg tccccgcgcg 60
 acccttcgag tctgcccagc ttgactccga gcttaagctc gttggcgagt atggcctgcg 120
 caataagcgt gaggtctggc gagtcggtct gactctgtcc aagatccgtc gtgctgcccg 180
 tcagctcctt accctcgacg agaaggaccc caagcgtctn ttcgaaggca atgccctcat 240
 tcgacgtctc gtccgtgttg gtgttctcga cgagtccgcg atgaagctgg attacgtcct 300
 ggccctcaag atcgaggatt tccttgagcg tctctccag acctgtgtct ggaaagctcg 360
 gtctcgccaa gtctatccac caccggcgtg tctgtatccg ccagcgtcac atccgagtcg 420
 gaaagcagat cgtcaacgtt ccttntttca tcgtccgtct cgactcccag aagcatatcg 480
 acttcgctct tacctcgccc ttcgggtggng gccgtcccg cgtgtccgc aaaaagaagg 540

ccaaggccgc	cgagggcggt	gaggggtggcg	aggatgagga	ggacnaggag	taaattgcaac	600
taaaaaaatgc	aaaagcggnt	ctccctgtct	agggcacttg	gtgatgggat	accactcatg	660
ggaaggggat	tctcttcata	gcttgccggcg	ttggccagag	gataaaaaatg	gaatgatttc	720
accggataac	gacaaacaaa	actttcccg	tgtctcttca	ctgtgtatat	gaatcccatg	780
aaacatgaat	ccaatcatga	catctccccc	nnaaaaaaa			819

<210> 127

<211> 925

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(925)

<223> n = A,T,C or G

<400> 127

cctcaacgac	gtcgacttgt	ctttctcgta	gcgcactcac	tttcaccttc	atcacctcca	60
tectcgaact	cgacccta	agaaacccat	cccaagctac	aatatcgag	ccatggccaa	120
cgacgagtat	gatttcctct	tcaaagtcgt	cttgatcgga	gactctggag	tcggaaagtc	180
caaccttctc	agtcgattca	cccgaacga	gttcaacctc	gactctaagt	cgaccatcgg	240
tgtcgagttc	gccactagat	caattcaggt	cgactccaag	acgatcaagg	cccagatttg	300
ggataccgct	ggacaagagc	gataccgcgc	cattacttcc	gcttactatc	gaggtgcccgt	360
tggcgctctc	ctcgtctacg	atattagcaa	gcaccagacc	tacgagaacg	tcacacgatg	420
gctcaaggag	ctgcgagatc	atgctgatgc	caacattgtc	atcatgctgg	tcggaaacaa	480
gagcgatttg	cgacacctga	ganccgttcc	caccgaggag	gccaagtcct	ttgccagcga	540
naaccacctg	tcctttatcg	agacgtccgc	cctcgatgct	agcaacgtcg	aacttgcat	600
ccagaacatt	ttgactgaaa	tttatcgcat	tgtttctagc	aaggccctcg	acagcggcga	660
tagcgcctan	gccaccatag	gtgcgggcac	caacatttgc	ctcagcaagc	ccgccgatga	720
cgatgcttcc	aagggtggaa	agtgtgttta	aattccttgc	ggaaccgttt	gcagactgat	780
atagggctct	gggggttngg	atacctggcg	tctcgtttgt	ccccgaaaat	gtcctcggc	840
aaacgagagt	ggaggaggcg	aggaatcggt	atacgtcttt	ttttgatatc	aggaggcgcg	900
gttacttcgg	ctttccttgg	ttctt				925

<210> 128

<211> 858

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(858)

<223> n = A,T,C or G

<400> 128

tgaatcttga	caagaatgag	tcagaaacct	gtgcaagagg	cgctcatgt	gtcgggcccag	60
tccaacactc	ccatgtcagc	acctgctcat	gctctcactt	acgagcagg	tgctaaagag	120
ttgaacgcca	atcttgaaga	tggacttacg	gatcaagaag	ctaagagtcg	tctcgagagt	180
gctggacgca	acgaattcgg	agagcaagag	ggtgttcaac	ctctcaagat	ctttatcggc	240
caaattgcca	atgctctcac	tctagtactc	atcctcgcca	tggctgcttc	tttcggcatt	300
cagtcgatga	tcgagggtgg	tgteatcgct	gctgtcatcg	ttctcaatat	cgctcgctgg	360
ttcctacagg	agtttcaggc	tgccaagacc	atggactctc	ttcgtgggtc	caagctcccc	420
gactgcctca	gctgttagaa	acggcagcaa	tcaagttatt	cccacggccg	agatcgtccc	480
tgggtgacatg	gtcgagctca	agactgggtga	cactatccct	gccgatctcc	gccttgctga	540
ggccgtcaac	tttgaaacca	acgaggcctt	actcactgga	gagtccttcc	ccgtccgaaa	600
ggagatnaac	angatcttcg	acaacgcac	tggccctggc	gaccgtctca	acgttgccct	660
cagtcctcga	ctgtnacaaa	nggtanagct	cgcgggtantg	tcttgactcg	gtancatata	720
gaaatagtc	aatcgtgtac	tcttcgcgga	aatctccaag	cgccgacagc	aaagagagtg	780
ccaagnaagg	caaagctgcc	tcacgtnaag	cttgacncga	caattcnatg	ctgtcgncnc	840
ttctgggggtc	aagttgga					858

<210> 129
 <211> 674
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = A,T,C or G

<400> 129
 tcaaagtctt taaacatgct tcgtcctcag aacattggta tcaaggccat tgagctttac 60
 ttccctagtc agtatgttga ccaggtcgag cttgagaagt tcgatggcgt tagcgccgga 120
 aagtacacca ttggctcttg ccagaccaag atgagcttct gcgacgatcg cgaggatata 180
 tactctttcg ctcttaccgc tacctcgaag ctcttcaaga actacaacat cgacccaac 240
 tcgattgggt tcctcgaggt tggtaaccgag actcttctcg acaagtccaa gtctgtcaag 300
 agtgtgctta tgcagctctt tggcgacaac accaaccattt aggggtgttga cactatcaac 360
 gcctgctacg gtggtaccaaa cgctgttttc aacgccatca actggggttga gtcttctgct 420
 tgggacggtc gcgatgctat cgtcgttgcc ggtgatatac ctctctacgc caagggcaat 480
 gctcgcccca ctggtgggtgc cggngccgcg ctcttctgat cggcccaacg cccctattgt 540
 tggcgagccc ggctgcgtgg tacctacatg cagnacgcct acgatttcta caagcccgac 600
 cttaccaggc gagtaccctt acgttgatgg gcactacttc cgtcaactgn tacagnaang 660
 gttctcgatg ccng 674

<210> 130
 <211> 508
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(508)
 <223> n = A,T,C or G

<400> 130
 ccgcttacct gggtgccaaag cttgcctcgt tctacgagcg agccggtcgt gtccagaccc 60
 ttggttctcc tgagcgcgag ggtagtgtca gtattgtcgg tgccgtcagt cccctgggtg 120
 gtgatttctc cgatcccgtc acgacagcta ctttgggtat tgtgcaggtc ttctggggtc 180
 tcgacaagaa gcttgctcag cgaaagcatt tcccttccat caacacctng gcctcttaca 240
 gtaagtacaa caacattttg gacaagtact acgagaagaa ctaccctgat ttccccgac 300
 tccgcgaacc tatcaagcaa ctnccttccg actctgagga gctcgaccag gtcgtgcagc 360
 ttgtcggaaa gagtgtctctg tctgacctg acaagattac tctcgatatt gctggcctga 420
 caangaggat ttctccagc agaacgggta ctcaaactat gaccagttct gnccatctgg 480
 aanactgagt ggatgatgaa ncttatgg 508

<210> 131
 <211> 1012
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1012)
 <223> n = A,T,C or G

<400> 131
 attcaatgga aggtctggca tgatcccgtc catgagcgag accccagcac cgagtaccca 60
 gagctgcagg aatgcttccg ttacctcaac ttgacaagcc gcagttttgc gactgtcatt 120
 caagagttga accacgaact cctcgtcccc atcaactctt tctatctctg cctccgtggc 180

ctagacacca	ttgaggatga	catgaccctg	cccctagaga	agaagattcc	cctttcttcga	240
aactttcata	acactatgga	agaggatggt	tggcaattcc	atgagagtca	agagaaggac	300
aaggagctgc	tagagcactt	cgatgtcgtc	atcacagaac	tcaagaagat	caagtccccc	360
taccacaaca	tcatcaagga	gatgactgaa	aagatgggta	acggcatggc	tgactacgcc	420
cgagaacgag	gagatgatca	agaacgggtg	tcaaactatt	gaagagtacg	aattgtactg	480
tcactacgtt	gcgggtctcg	tcgggtgagg	tctaacacgc	ctcttcgtcg	aatcagagct	540
tgccaacccc	aagctttccg	agcgcccttc	tcttaccgag	tcgatgtccc	agttcctcca	600
gaagacgaac	atcatccgag	atctccgcga	ggactgggca	agacggtcga	aggtgggtacc	660
ccaaggagat	ctggagccag	cacgtgggac	aattggggaa	gaccttttcg	accctcgcta	720
tgaaactaag	gctatcgagt	gtgtgtccca	tatggttctc	gacgcactaa	agcactgcga	780
ggagtgcctg	ttctacatgg	cgggcatcaa	ggaccagaat	gtttttaact	ttgttgccat	840
tcctgaaggc	atggccattg	caacactggg	aactttgttt	ccgccaccct	gatgtcctcc	900
agaagaacat	caagatcaca	aagggcgaag	cctgcaagat	catgttcgaa	tgcacacaga	960
actcttcacc	gtgtgtgang	tcttcaagcn	aatatgcccg	ccaagatcgc	ca	1012

<210> 132
 <211> 1949
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1949)
 <223> n = A,T,C or G

<400> 132						
ctagtattcc	cataattatt	tatccttcgt	ccttcctcgt	tccatcctta	agaatttggtg	60
catccccctt	atatttttat	ttattcatct	tcccttctct	tcctgtctag	aagagtaaac	120
aggttgacac	cactcgtttc	agctgtaaaa	ccgacaacct	tgtagaggaa	agctgtgctc	180
cctcgccctt	gcttgcactc	gagaaccatc	agtcaatcaa	tacctcttga	ctctcctttt	240
atatttttgc	tacatcactc	gcatatttat	ttgtctcttt	acctggcatt	acttacattt	300
tattgctttc	tcttggegtg	tatccatcac	cgagaccatc	actcgacgtt	atcatctacg	360
acacttttct	ttcccttgte	ctcaagtcgt	tacactctgg	acacgaaacg	ccgatcaaact	420
tccttcgggt	tacagaaaaca	atcatttaat	tatcgccgat	atcgcataaa	caactcaccc	480
gtttttattta	atacatcttg	gacatcccat	ctattcgtca	cctttcagtc	tcaacctttt	540
gggactgaaa	cgaactacct	acaaattggt	tactgaaac	gcaacgcata	aacattaaga	600
aacatccaaa	cttcatttct	caaactcgaga	ncacgatnct	tcagcttggt	ggttgtcagc	660
atcctanecg	gtttcaactg	ggttcccgtt	ttattgaacc	aaagatctat	atcaatgctt	720
caagtctgag	ccaagccaca	atcagctcng	tcatataact	gagcttgaag	cactttcgat	780
aacttgatca	aaactttcat	tttggaacaa	atattcttaa	cacttggtct	catacacaac	840
acatcattca	caatgactgg	acaatctaca	agacgatggc	ttcagctatc	tttctctctc	900
atggctggca	ccgcttcagc	aggatccctc	aagctatccg	actttgagtc	gataagcgac	960
aagtctttcc	catcaaactg	tattgcagca	tacgatacgc	cactcgcaga	ctgtaccccc	1020
aacgacttca	ctggtggcaa	ngcatgcagt	gctgcctgca	aggactcagt	tcaacaaact	1080
cagggttcca	tcattgcttc	atgtggtgac	gtctcagccg	actccgaatc	tcttcttagc	1140
cgcggccaga	aaggcaacct	cgttgctggt	cgtgcgcgag	atgacgatga	accnccaatc	1200
ccagtctgaa	ggctcaatca	gaagcgcaac	cctgaccgac	atcaacccaa	ctctgagcaa	1260
cgaactcaa	gcgtccatgc	cagcaatcat	gacaacaggt	ancacgcttg	ataccgtcga	1320
caaggnactc	acgccanccg	taaagggttg	caaacttgga	cttggtgacg	gagtcgttga	1380
cgttgatggc	gggacaagga	gcttggtgtc	acggagcatg	cggtagaggt	ggtggacacc	1440
ggtggtgggc	tcctcagaga	caccgaagca	gtccttgagc	atctcagggg	acttctgggtg	1500
gacaaggggtg	gtcaggtcac	caccgtcgtc	gaggatgagg	ttgagcttct	tggtgtcctt	1560
gaaggcagta	agctgctgct	cgaggcacca	gttgactctc	tcateggtct	cgcccttcca	1620
ggcgaagacg	ggaacaccag	cggcggcaat	ggcagcggcg	gcgtggtcct	gggtggagaa	1680
gatgttgacg	ctggtccagg	taacctcagc	accgagagca	gtaagggctc	cgatgaggac	1740
ggcggctctg	atggtcatgt	gaaggcaacc	agcgatacgg	gcaccggcga	gaggtgggtc	1800
ggcagcatac	ttggctcggg	tctgcatgag	accgggcacg	tcgttctcag	cgagctcgat	1860
ctccttgccg	ccaaaggcgg	caagagaaag	gtcagcgacc	ttgaacttgt	gggcgggagc	1920
agacataatg	gatgaggtgg	aggagagga				1949

<210> 133
 <211> 579
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 133
 tgatgttcca agcttcccag ttgggtcttg gatcccagtg gcttgagacc aagaagccta 60
 cgagcatgcc aacgagcttc tcggagatat cgtcaaggtc accccaacct ctaagggttg 120
 tgggtgatctt gctcaattca tgggtctccaa cggctctttcc cctgaagatg tcaaggcgaa 180
 ngcttctcaa ctcgatttcc ctagttccgt tctggagttc ctcgaggggc tgatgggtca 240
 accctacggg ggattccccg agcctcttcg atccgatgct cttcgtggcc gacgcaagct 300
 cgacaagana cctgggtctgt tccctgaacc gtttgacttc gtgaagacca agcgcgaact 360
 tggcaagaag tacggcgcac cagttactga gtgcgaactt gcttcgtacg tgatgtacct 420
 aagggtcttg aagactacaa gaaatttggt cagcaatacn gtgatctttc cgtgctgccc 480
 actcgatact tctgtctcg cctcgagatt ggtgaagaat tcaacggtga actccaaaaa 540
 ggcaagggtc tgattctcaa nctcctgccc ttggtcctc 579

<210> 134
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 134
 gttcgatatt acgacttgac taatgttcag ggtaccgctc gtgggtggga gcgcgaagag 60
 cgtattctcc tatcgctgcc gctccgtgat gctgaagcgc acttgagat gtttttttcc 120
 cacatgcgca acctgacata cccacaccac ctgattgatc tcgcattcct cgtctccgac 180
 tcaaaggaca acactctcaa ggtcctctcc gatagtttgg aggctattca agccgacggg 240
 gaccctaagc agccttatgg cgagatctct atcattgaga aggactttgg tcagaagggtc 300
 aaccaagatg tcgaaagccg tcacggatgc gccgccaggc tagtcgccga aagctgatgg 360
 cacaggctcg aaactggctt ctgagtgcgg ccctgcgacc ctatcattct tgggtttatt 420
 ggcgcgacgt cgacgtcgag actgcccctt tcaccatctc agaagatctc atgcgccata 480
 acaaggacgt tatccttcca aatgtctggc gacccttgcc tgactggctt ggtgggtgaa 540
 aaccctatga cctgaactcc tggcaagagt ccgaaacggg tntagctttt cgccgccctc 600
 ttgatgaaga agctggcatc gt 622

<210> 135
 <211> 819
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(819)
 <223> n = A,T,C or G

<400> 135
 gcccgctctc agtacaccat cgacgacatg accgtgcctg tcttccgcag taaggttgag 60
 gagctcttgg gcaaaaagtt cgagaacgag aagcctttcg agttcaagag caacgtcgat 120
 acctttggct ggcagaagga tgagaacggc cttaaccact tcacctttt catcgagaac 180
 ggccgtatcg aggatacccc tgagttccag atgaagactg gctgcgcgaa attgccaaagt 240

FOR THE FUTURE

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<220>  
<221> misc_feature  
<222> (1)...(610)  
<223> n = A,T,C or G
```

```
<210> 137
<211> 810
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(810)
<223> n = A,T,C or G
```

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<210> 138
 <211> 886
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(886)
 <223> n = A,T,C or G

<400> 138
 cttttttcctt ttgaaaaatc ttcgacatcc tactaaccac caggacctcg accaagccgc 60
 caagatgggt gccctcaagt acgtcgaaga gcttcagaag aagaagcagt cggatgtcgt 120
 tgccttcctc ctccgagttc gctgctggga actccgtcaa ttgaacgtca tccaccgcgc 180
 ctctcgtcct tcccgctctgg acaaggctcg ccgtctcgga tacaaggcca agcagggcta 240
 tggtatctac cgcgtccgcg tccgcctggg tggccgcaag cgccctgctc ctaaggggtgc 300
 cacctacggc aagcccacca accagggtat caaccagctg aagtaccagc gatccctcaa 360
 ggctaccgct gaggagcgtg tcggccgccc ctgctgtaac ctccgagtc tcaactccta 420
 ctggatcaac caggactcta cctacaagta ctacgaggtt atcctcgtcg accccancca 480
 caaggccatc cgcctcgacc cccgcaccaa ctggatcgct aaccccgctc acaagcaccg 540
 cgagtgcgcn ggtcttaccg ccaccggcaa gaaagtcctg tgggtctcaac aagggccacc 600
 gntacaacaa gaccaaggct ggccgcaaaa agactggaag cgccacaaca ctntgtccct 660
 gtggcgatac cgataaacgt ctgcgccccct ggctgggacg tttgttttcg caccacgggt 720
 gtctggttgt actcgcgatt tcgatttggt aggggttggt tttggcactg natgcttgga 780
 ctctggggag tcgggaacct tgtttggtag cataaaaaat ggaatcaaaa gtaattccaa 840
 gttcatgatt aagatttaga tatacctacg gtttcccggc taaaaa 886

<210> 139
 <211> 615
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 139
 ggtggacaag gtcaagctga agcaaggnaa ccgtgtggca ctcgacatga cgacacttac 60
 catcatgaga atgttgcttc gcgaagttga tcctttggtg tacaacatgt ctctggagga 120
 cccgggtcag gtgagctttg ctggaattgg tggattgaac gatcaaattc gagagttgag 180
 ggaggttatc gagcttnccc tnaagaacct tgagctgttc ctacgagtcg gaatcaagcc 240
 gccaaagggt gttctgttgt atggcccccc cggaaccggc aaaactttac tggcacgagc 300
 tggttgccagt antctggaga cgaacttctt gaaggtcgta tcttccgcca ttgtcgacaa 360
 agtacatcgg tgaatcggtc cactcattcn tgagatgttt ggatatgcca aggagcacga 420
 gccctgtatc atctntatgg acgaaatcga cccatcggtg gacgacgctt ctcanagggg 480
 accagtgcgg atcgagaaat tcagaaaaca cttatggagt tgctnaacca gntggatgga 540
 tttgactact tggggcnaaa caaagatcat tntgggcacc aacccgaccc gacacgttgg 600
 accctggact ggttt 615

<210> 140
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G


```

<400> 140
ccaccttget gtcaagcact tctccgttga gggtcagctc gagttccgtg ccatcctctt      60
cgttcccaag cgcgctccct ttgatctctt tgagaccaag aagaccaaga acaacatcaa      120
gctctacgtc cgccgtgtct tcatcaccca cgatgctacc gacctcatcc ctgagtggct      180
cggcttcgtc aaggggtgtt tgcactctga ggatctcccc ctcaacctgt ctcgagagac      240
tctccagcag aacaagatca tgaaggatcat caagaagaac atcgtcaaga agtctcttga      300
gctcttccag gagatcgccg aggacaagga gcagttcgac aagttctaca gcgccttttc      360
caagaacctc aagcttggtg tccacgaaga ctcccagaac cgatccatcc ttgccaagct      420
cctccgattc aactccacca agtctgggga tgagcttacc tccctcaccg actacgtcac      480
tcgcattgcc gaacacccaaa acaacatggt ctacatcact ggggaatcca tcaacgctgt      540
ttccaagtct cccttccttg aagctctccc nagaagggtt tgaggtntgt cctcgtgccc      600
catgatgagn ccctgactca ctca                                     624

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```

<210> 141
<211> 1012
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(1012)
<223> n = A,T,C or G

```

```

<400> 141
cgaccaattg accccccgga gttcaattga acctctcttc tccgccagac cctcgggtcca      60
cctcgaacga cctctccgag ccaaactccc tcagttcaca atggcccacg ccactatgct      120
tgccgcagca cagctcgccct cgagctcttt gagcaccaga gctaccagca tcgttggcct      180
cgtccagcag cgaggctatg cgacacctca cggccctccc cccgccaaact tccgaacgag      240
taagcctgtg aagtggacgt gggataatga tagcaccctg gaccgcatgg gaaagttttt      300
cctcatgacc gagatggcga ggggcatgta tgtcctgctt gagcagtact tccgaccacc      360
ttacactatt tactaccctt tcgagaaggg ccctatctct tcccgatctc gtggtgagca      420
cgctcttcga cgataccctt ctggcgaaga gcgatgtatc gcctgcaagc tctgcgaggg      480
tatattgccc gccaggcca tcaccatcga ggctgaggag cgagctgatg gatcccgcgc      540
aaccaccaag tacgatatcg acatgaccaa gtgcatttac tggcggtttc tggcaggagt      600
ctttggccct gtcgacgcca tcgttgagtc gcccacgcgc gagtacgcta ccgagacccg      660
agaagaactt ctgtacaaca aggagaagct tctttccaac ggagacaagt gggagcccca      720
gctcgcagcc gncatncgcg ccgactngcc ataccgataa actagtcaac tgggaaagcc      780
gtcatgaaaa aaggggaaatg gagatgttgg atttgaatgc atagttttta tttgttggtt      840
tcgcctttgt tacctagggg cgtttggaac gtcgctgctg taggaacata actttttttt      900
ggtggttagca aggcggcaaa ggactagagg ggggcgggct ttcggatggg tcgagcggag      960
agggcagatg tacataatct agacgtccaa aaaatgcccc tttgtcactc at          1012

```

```

<210> 142
<211> 1109
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(1109)
<223> n = A,T,C or G

```

```

<400> 142
ctgaatatga acgcgacaga gcgagttgtc gagtatacan accttgagat ggagtcactc      60
gtggggggaga agccccctgc tgcgtggcct acttngggaa ctatgaagat tgataacctg      120
gaggtctcat atgcatatga tctgccacct gttctcaaag gaatctcttt cgacgttaag      180
aacaatgaga gagtcgggtg ttaggacgc actggcgctg gaaagtcgtc cctgacactt      240
gccttggttc ggttcttgga ggctcgttct ggcagcggtt ccattgacgg tctggatatc      300
tctaaggttg atctgtatag cttgagatct cgtctcgcca tcatacctca ggaccctgta      360
cttttctcgg gcactatcag atcaaacctc gatcctttcg aagataatac agacgacgag      420

```

ctccgcgaat	ctctgactcg	tgtccacctt	gtggattctc	agcccgtac	gcctgcaaat	480
gaacctctcg	cggcagcaac	atcgacactt	gctgtcaaga	acacaaacat	tttccgagac	540
ctctcaagcc	ccatctctga	atctggaggt	aacctctcgc	aaggtcagcg	tcaacttcta	600
tgcttggtc	gtgccattgt	agctcgaccc	aagattatgg	tcctggacga	ggccacctcg	660
gctgtcgata	tgactaccga	tgcactcatc	caacgaagta	ttcgtgagga	gttcaactgac	720
agcacattga	tcgtcattgc	acaccgtctg	agttccatcg	ctgactttga	ccgtattctt	780
gttcttttccg	atgggtcaagt	cgccgagttt	ggaacaccca	agggagcttt	tgggaacaag	840
aaggcggtgt	ccgcgacatg	tgcgatagca	gtggagagaa	ggaaaagtgt	agacagacaa	900
tatttnggtt	gaaaaatnga	aaacagcacg	atnttttaggg	gnggattnaa	aagggtggcgc	960
acaagctgca	attggatnta	tggttnaaat	ggcaaatgca	atgatatttg	gtttacttca	1020
cttnttacag	gcagcttcnt	tttanagctt	tccggatgca	ccngntttaa	cttttggatt	1080
aaaaaaaacc	naaaatggta	caaaaaggc				1109

<210> 143
 <211> 1087
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1087)
 <223> n = A,T,C or G

<400> 143						
caaagccaat	tctttttttt	atctctctac	tttactctac	tctactcttg	gcctcccggt	60
cogttcacca	tccaccatct	atctttcctt	caactgaaag	cttcttctca	gctgaatttc	120
gttattttccc	ctttccttta	acaacccttg	aaatctaaat	ccaccaactt	tagtcgccaa	180
acaccgccaa	aatgggtcac	gaagatgctg	tctaccttgc	caagctcgct	gagcaggccg	240
agcgatatga	ggagatgggt	gagaacatga	agattgtcgc	cggtgaggac	cgagatctca	300
ccgtcgagga	gcgaaacctt	ctctccggtg	cctacaagaa	cgtcattggc	gcccgcogtg	360
cttcctggcg	catagtcacc	tccatcgagc	agaaggagga	gtccaagggc	aactcttctc	420
aggttaccct	catcaaggag	taccgacaga	agatcgaggc	cgaacttgcc	aagatctgcg	480
aagatatcct	cgaggtcctt	gaccagcacc	tgattccctc	tgccaagtct	ggcgagtcca	540
aggtttttcta	ccacaagatg	aagggtggac	taccacggtt	acctcgccga	gttcgccatt	600
ggcgaccgnc	gcaaggactc	tgccgacaan	gtccctngan	ggctacaang	gntggcactt	660
ganggttggc	ccaanactga	gctttcttcc	acccaccccc	aatccggctt	tggtctcgcc	720
cttcaacttt	ttccggtttt	ctactacgaa	gattctcaac	gccccctgac	caagcttggc	780
aactggctaa	acaaggcctt	tgatgaatgc	catcgctgaa	cttggacact	tctgagcgaa	840
ggagagctac	aaaggactcc	acactggatc	atgcaactgg	ttccgtgaca	accttaacct	900
tttggacctt	tttcgaggnc	canaacttcc	cttggtgggn	cacggttgan	gcttcnaag	960
gaggatgccc	ttgttgcccc	caccnncgag	gatgcctttg	ngggccgnt	ngccttcant	1020
ttanaaggcc	caatttgnc	tantagggag	tgggggttaca	aattnactgg	ccggcggttt	1080
anaacgg						1087

<210> 144
 <211> 702
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(702)
 <223> n = A,T,C or G

<400> 144						
caccacaatc	ctcttcgccc	tcactctccc	aagccatccc	ttcgtcaatc	cagacaagag	60
aacatatccg	tcaagatggc	tccctccaac	ctgcctccg	tcatgaacgc	caccagccag	120
gacatcgaga	ccctgctggc	cgctcagtg	caacctcggt	ccaagaacct	ccagggtcac	180
atggagaact	acctctggaa	gacccgtcag	gatgggtgtc	acgtcatcaa	cgctcggaag	240
acctggggaga	agattgtcct	ggctgcccgt	gtcatcgctg	ccattgacaa	ccccgcgcag	300

atctgtgtca	tctctgcccg	tccctacggg	cagcgtgccg	tctcaagtt	cgccgcccac	360
actggtgcta	cgccattgc	tggtcgcttc	acccccgggt	ctttcaccaa	ctacatcacc	420
cgatctttca	aggagccccg	tctgatcate	gtcaccgacc	cccgaaccga	cgcccagggt	480
atcaaggagg	cttcttacgt	caacatcccc	gtcattgccc	tcgccgacac	tgactctccc	540
accgagtacg	tcgatgttgc	catccccacc	aacaacaang	gtcgccacgc	tatcggtgcc	600
gtctggtgga	tgctcgccgt	gaggtcttcg	gcttcgtggg	accatctaca	accgcgagaa	660
cccctggggac	gtcatggcga	tctttacttn	taccgtgacc	cc		702

<210> 145
 <211> 988
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(988)
 <223> n = A,T,C or G

<400> 145						
atatctcccc	caaaatgggt	tctgtacaaa	atttcctctg	cgaagtcgtg	ccccaggcac	60
ctgaagaccc	tctcttttgg	cttgacagag	agtacaaggc	cgacgacagt	cccaacaaga	120
ttgatcttgg	tatcggcgca	tacagagatg	agaatgcaaa	gccctgggtg	ttgccagtcg	180
tcaagaaggc	tgatgagatc	ctccgaaaac	acccttgaac	tcaaccacga	gtacccccca	240
atcgcggtt	ttggcagctt	cacatccaag	gctgncgagc	tagtcttttg	ccccgattct	300
tcagccatcc	aaganaagcg	ctnaacgaca	ctacanacaa	tctctggtac	cggtgccgta	360
cacttgggag	ctcttttcct	tgcaagttct	acaagggcaa	ccagactgtc	tacctntcaa	420
atcccacatg	ggcgaaccat	caccagatct	tcaagaatgt	tggtatgtcg	atcgacacat	480
acccttactt	tcacaaggag	acnaagggcc	tggatttcga	gggtttcaag	aagactctgc	540
aatccgntcc	cgagggttcc	gtttcgtcct	tnatgcatgc	gcacacaacc	ctactggtgt	600
cgaccctacg	caagatcaat	ggacttgaga	ttgnttntat	tatgaaggag	aagaaccact	660
tccccttctt	cgatactggc	taccaaggat	ttgccttttg	ggatcttgtc	aaggatgcct	720
gggtatccg	atactttcgt	cgaccagggc	tttgagcttg	ttggttgctt	agagtttcgc	780
caagaacttc	ggcctctacg	gagagcgcg	cgggttgctn	cagccgtca	catctcctgc	840
tcttggggct	tcaaacacaa	tcactcgcat	tggtcttcaa	ttggctatcc	tccagcgatc	900
tgaaatntcc	aacctctctn	tgtacggggc	ccgaatngtc	agcactgttt	tnaacgatcg	960
cnaccttttg	gtgngggggg	ggaaacct				988

<210> 146
 <211> 778
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(778)
 <223> n = A,T,C or G

<400> 146						
ctttctgttc	tcttatctct	tatcgaaaat	ctacgtcatc	tcttactccc	ccactttccg	60
ccgcttcact	tacaccaaac	cgccaaaatg	aacactgggc	ttgtcaacag	ccgnttnctc	120
tccaagccag	atgaggtcgg	cgtcgttgct	gtcggtttct	caggcggcca	gcccaaagct	180
ggtgtcgata	ttggccctgc	tgctctcatc	cagtcgggtc	ttctcactga	gatcccgcat	240
gagctcggct	acaagctctt	tggtgacgag	aaggtccagc	agttcgagga	tctgatcccc	300
gagtcagacc	ctgacttccg	cggatgtaan	aagccccgcc	acgcatctgc	ggtgactcgc	360
aagatcgcc	cgcacaccta	tgagcactca	cgcgaggggc	gcatgactct	caccttcggn	420
ggtgaccaca	gcatttgccat	tggtactatc	gcccgaactg	ccaaggctac	ccgggagcgt	480
ctgaaccgca	agatcgctgt	tatctgggtt	gatgcgcacg	ccgacatcaa	cactcctgag	540
agcagtgaca	gtggtaacat	ccatggatat	cctgttgctt	tcttgaccgg	tctggccaag	600
gagganaagg	aggagtnttt	tggtcggtc	gaggatgata	tgctcttgag	cggttaaaaag	660
ctggtgtaca	ttggtcttcg	atccggccac	attggcgaaa	anaaaatcct	tccgtgaaca	720

ccggcatcaa ggcattcaac atgcacgatg tccacccgcc acggtattgg ccgcgctcg

778

<210> 147
<211> 989
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(989)
<223> n = A,T,C or G

<400> 147
gtgaaactca cctgaggatc cattcgagtt ttgttgctac ttgtcgcatc gccaatcgtc 60
attgccttgt tccgttatcc ggtctccctt cgcagtcctta gcttagtacc ttggatctgc 120
tctggtttac tctactacat ctacccagac accaacagtc gctttgacca tctcatcta 180
ccctcgact agacatcttg gttgctgctc ttgcgcatcct tcttcgactt tataccagc 240
ccctcctatt tctcgattat tgcgacgcaa caatggccca gcccggcgtg caatcattga 300
agtgtgtggt gactgggtgat ggtgctgttg gaaagacttg tctactcatt tottatacca 360
caaagtgcgtt ccccggcgaa tacatcccaa cggctcttga caactactct gctagcggtta 420
tggtcgatgg caagcctatt aagtcttggc ctctgggata ccgctgggtc aggaggatta 480
cgacagactg cgaccccttt cataccctca gaccgatggc ttctcattt gcttctncat 540
cgncagccct ncatcattcg acaacgtaaa ggcaaagtgg taccctcgag atcgancatc 600
atgcgccccaa canttcccat taattttngt cggaaactaaa ctcgatcttt gagaggatgc 660
atccaccctc gaatctctcc gacagaagcg catggagcct gtatcatacg agcaggcgct 720
gacctgcgc aaggagatca angcctacaa gtacctgag tgttctgctt tnaccanag 780
aaaccttaag agtgtttttg acgaagctgt cggggcgctc ctcaaccctc gaccncgct 840
tcgaagcaaa agaanaanaa gtgcnctatc ctgtanatat ctnatgaagt caccgccatg 900
gcacacgcgc gtttgaagat naacaaaanc tcttgacgac cnaaacacng aatattctgg 960
atgcccacna gcatggctct gattntaga 989

<210> 148
<211> 832
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(832)
<223> n = A,T,C or G

<400> 148
caaaaatctc catttgctct cctgtaaagg cagcaccgca cccaatctc cctcctccc 60
aattgcaccc ggctgcaatt gctctccttt catctccaaa acctcccgta tacctcta 120
atgttccgga acgcccctcg acagtcgacg cgcgcgctcg gcgctgtctc tgccgctggc 180
agggtcgctg ctctccgaaa tgcgcgaccc gcctccatca acgccgctcg attctacgc 240
tccgacgcca aggettctcc caccgaggtc tottccatcc tcgagcagcg aattcgtggt 300
gtccaggagg agtccaacct cgctgagact ggccgtgtcc tttccgctcg tgatggatc 360
gcccgtgttc acggtatggc caacgtccaa gctgaagagc ttgtcgagtt cgcctccggt 420
gttaaaggaa tgtgcatgaa actcgaggcc ggccaagtgc gtgttggtct gttcggttcc 480
gatcgtctcg tcaagaaggg tgagaacgct aagcgtaccg gtgagattgt tgatattcct 540
gtcggccctg agatgctcgg ccgtgtcgtc gacgctctcg gtaaccccat tgacggcaag 600
ggtoccatca acaccaagga gcgacgcgt gctcagctca aggctcccgg tattctgccc 660
agaaagtccg tcaacaagcc cgtccaaact ggtctcaagt ccatcaaccc catggttcct 720
atcggccctn ggtcagcgtg angttgatca tgggtgaatc gccagaccgg ttaaaaatgc 780
cgttgggtcc caacaccacc ctttaaccaa aancgatgga acnatngcaa cc 832

<210> 149
<211> 644
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(644)

<223> n = A,T,C or G

<400> 149

cgctgaccct	ccaaacctgc	gtcatggcgt	cccggagact	ggctttgaac	ctctcgcgag	60
gtctgcnaaa	ccgtgctggg	ttttcgggcg	ccgttcnttt	cacacgaggc	tttgccactc	120
cctctaccgt	nggcaagact	cagactacaa	ctcttaagaa	tggattgact	gtcgctaccg	180
agcaactgcc	ctttgcgcaa	acgtcgaccg	tcgggtgtctg	gatcgatgcc	ggttcccgag	240
ctgagactga	tganaacaac	ggtaccgccc	acttccttga	gcctctcgct	ttcangggta	300
ccgccaagcg	aactcagcag	caattggaat	tggagattga	gaacatgggt	ggtcacctga	360
acgcctacac	ttcgcgcgag	aacaccgtct	acttcgccaa	ggctttcaac	tctgatgttc	420
cccagtgtgt	cgacatcttc	tccgatattc	tccanaactc	caagctcgag	cagtccgtta	480
tcgagcgtga	gcgcgacntt	atcctccgcg	agtccganga	ggtcaaaaag	cagggtgagg	540
aggtcgtttt	cnatcacctc	accccacttg	ttttncaca	ccagcccttt	gggccgacna	600
tcttgggcct	tgnaaaaaca	tncngacat	ccccgaatcg	gctt		644

<210> 150

<211> 2459

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(2459)

<223> n = A,T,C or G

<400> 150

cccaatatcg	catacggcat	tcctgacttg	gatgctaccg	tgcgcgcata	tgtcaacatg	60
acatccactg	gcgagagcgt	cgcattgtgt	gaggcagact	tttccaccgg	aaagacagtt	120
gagcaactat	cagtcaaattg	ggtcactgcc	atcatcatcg	gaataggact	catatcctca	180
gctctgatct	cgctggcggg	ctatggcaat	gcctcctctc	accttgctgc	caacaccctc	240
gctctattca	catactttcca	agcccaagct	attataggac	ttacaggaat	caccatgcct	300
cccattgttg	atgcgtggac	tcagaacttc	caatgggtcca	tggggcatta	tcgcgcttgg	360
ttgggatgca	agatatcttc	acctggatat	agcgcgccac	aggcggcaca	cccgcctcgca	420
tcttcgatca	tcttgccact	tcttcggttc	aagtcgccaa	gcgatctatc	gagtatatcc	480
ctggtgctgc	agctctgggt	cgccgtggct	ttgccatgtc	caaacggtcc	aacattgagc	540
ttgagaacgg	ctcattctcg	gtctacggca	tcacgcgtgt	ggctttcaga	tcccggatcg	600
agacaacgaa	tcttttcctc	actgcgctca	ccttctttat	cgtcttcata	gtttttgctt	660
gtatcctcgt	tctcatcgcc	aaggctcatt	tcgacctgtg	cgcaaaaaca	gcttggtatca	720
agcatgagcg	cttccttgag	ctccgaacag	agtggcgcac	gctcctcaaa	ggcattcttc	780
ttcgacttac	cctcatgggc	tttgctccca	tcgctatctt	ttctctctgg	gaattcactc	840
aagttgactc	ggctgccttg	gtagtctctg	cgtctctctt	cttccttgcc	gtcacgatca	900
ccctcgcat	ggcagcattc	aagattgtca	cctttgccag	acatagcaac	ccagtcatca	960
ctctgtactc	ggactcgcg	attttgaaca	agtggggggt	cttgatatatt	ccctatcgag	1020
ctactgccta	ctactttggt	gngcccagc	ttgcctatat	tcttgctcaag	agcatgttta	1080
tcgctctgag	ccagaagagc	ggcgtagtgc	aagcggtgnc	ctcattatta	tcgaggtggc	1140
tgctttgatc	gcgacaagcg	tnatgcgccc	tttatggata	anagcgtgaa	ctcggttcaac	1200
attgcatctt	cgtactcaac	ttcctnaacg	ccatttgcta	ttatttttac	caatgttttg	1260
ggatgccta	gaatgggctc	ctcagtcacc	gggcttggtg	tatttggtgt	caatgccgca	1320
ttctctttga	tccttctcct	tatgatcatc	atctcgagtg	cgttggtgtt	ttggaggaag	1380
aatccggatg	cacgatacca	gttcatggct	gatgatcgan	catcctttat	gaagtccaag	1440
tcatccacgc	agctttgac	aatgacgcag	ctggaacctc	ggctgccaca	gcccgtgggg	1500
accaacaaaa	cattcacttc	tttttgaacc	caaccattca	tctacatcat	cccatccgaa	1560
ataccatcaa	cccaagaaca	cttgcatcat	accactgcca	tcatgcaaat	cttcgtcaag	1620
acccttactg	gcaagaccat	cacccttgag	gtcgagtctc	cagacactat	cgacaatgtc	1680
aagtccaaga	tccaggacaa	ggaaggcatt	cctcctgacc	agcagcgact	gattttcgct	1740

ggtaagcagc	ttgaggatgg	ccgcaccctc	tccgactaca	acatccaaaa	ggagtcaacc	1800
cttcatctcg	tcctccgcct	tcgtggtggt	atgcagatct	tcgtcaagac	cctcacaggc	1860
aagaccatca	cccttgagggt	cgagtcctca	gacactatcg	acaatgtcaa	gtccaagatc	1920
caggacaagg	aaggcattcc	tcctgaccag	cagcgactga	ttttcgctgg	taagcagctt	1980
gaggatggcc	gcaccctctc	cgactacaac	atccaaaagg	agtcaaccct	tcatctcgtc	2040
ctccgncttc	gtggtggtat	gcagatcttc	gtcaagacct	cacaggcaag	atcatccctt	2100
tgaggatcaat	ctcagacact	atcgatcaat	gccagccaag	atgctacgcc	cgtctccctc	2160
cccgtgccac	caactgccgc	aagcgcaagt	gtggtcacac	caaccagctc	cgacctaaaga	2220
agaagctcaa	ataaacgatt	actccatgga	tatggcgtct	gggatttggc	atttgggggt	2280
cgatggcgag	gacagaggag	agctttcttt	tgttcacacg	aggctggttg	ttttttaaaa	2340
tagcatgtgc	agctccggca	atacattcta	gatgatgcc	atatgacgat	gtgccgtgcc	2400
gtaagggtgtc	ccggccagac	ccctcaaaa	aaataaaaag	cattcaagct	tcaaaaaat	2459

<210> 151
 <211> 636
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 151						
ggtggtctcg	gacagctgtg	tgacttgctc	accgcccctg	aggaccgctg	caaccttgac	60
aacttctccc	tcgagaagta	cagnttcac	gtcatctaca	agaccgctta	ctactctttc	120
tacctccccg	ttgcgctcgc	cctccaccag	ctcaacctcg	ctaccccaag	taaccttaag	180
caagctgagg	atatccttat	ccctctcgga	gagtacttcc	agatccagga	cgactacctc	240
gataactttg	gcaagcccga	gcacattggt	aagattggta	ccgatataca	ggacaacaaa	300
tgttcttggt	tcgtgaacca	ggctctcgcc	gttgccaccc	ctgagcagca	caagatcctt	360
gaggagaact	accgccgcna	ggacgatgaa	aaggagaagg	tcatcaanaa	actctacgac	420
gacttgaagc	ttgagcagct	ctacctcgac	tacgaggaga	angncgttgg	ccatattcgc	480
gagcgcattg	cccacattga	cgaaaagtgg	nggcctcaaa	aanactgtgt	ttgangcctt	540
ctngncaaaa	tntacaagcg	cagcaagnaa	gctgganttt	taatgtatta	aagangacat	600
ganatanacc	ggttgaaggc	aaaagttctt	tgtctn			636

<210> 152
 <211> 1686
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1686)
 <223> n = A,T,C or G

<400> 152						
gaattttttt	tttttttttt	tatgtgatta	aagtcgtatt	ctacgtatcg	atcaaacaaa	60
gaaacaccta	acngtagaat	aagatctttg	aacaaaagaa	accccaacgc	caaaacacaa	120
aacccttccn	attgcctgat	gcgccacgcg	cttcgctcgca	ggtcattcct	ttgcctgctg	180
gagaggagtc	gaatactcca	acatctcgta	attttagtag	ccgtttatcg	gcggcggtga	240
tatcgagtaa	taggtcagat	tgacgcttag	aaaaggcagt	ccaaacagca	gcagcatgcg	300
agaccagcta	gaagaccggt	catgagaccg	ccgcgcgcgc	caccaccgtt	tcttcttgaa	360
tcatcgttgg	ggtaatatgc	ttgaggggga	ggctggccgt	agggaccctg	ctgaggagga	420
taggggccct	ggccagcggg	aaagggtcct	tgttgctggt	tgtagtagcc	catctgagga	480
ggagcttgct	ggtagtagcc	ttgaggaggg	ggcgcgccgc	cctgctggta	cggatcttgc	540
tgataaccgc	catatgtagg	ttgaggggca	cccgggggag	ggccgtaggc	tggagggttcg	600
tcttgcttga	aggccattgt	gatagtagag	taaagcgcta	tgcgacaaca	gataggaggt	660
ggatcttaga	gtcgcgcaaa	agatagatcg	tcaggtagca	ggaagatccc	nttgttgatn	720
agganacgnt	gtgaaacggg	agcagagatt	ggcacnagng	ggagncgatg	cagagatgtg	780

cccttagatc	ggatgantgg	tagctgttgg	aanggcttct	cgccagcagc	gacaagaaga	840
gcagcgtgag	gcccagagacc	atcaggggta	gtagcnttga	catcggcaac	aatgttcttg	900
gtcttggtga	agtcgataaa	ggtttgagcg	ccgagagaca	tgcacatntt	ctctttctcc	960
tcaccaccat	caatggcaat	ggcgtggatg	cccatagcct	tagcgtactg	gacagcaatg	1020
gaaccgagac	caccaccagc	accgacaata	gcaagagant	gaccggcctt	gacaccagac	1080
tccttgatac	ccttgtagac	ggtgataccg	gcgcaaagaa	tagggggagat	ggcctcgagg	1140
tcacactcct	cagggatgcg	agcaacgtgg	atagccttgg	cgacagcgta	ttgctggaaa	1200
gaaccatcga	cgggtgaacc	ggagagaaga	gcctcagcgc	agagagactc	gtcggcggtt	1260
tggcagtaag	agcagcttaa	gcaagagcca	ttgagccact	tgataccgac	cttctcgcca	1320
atcttgagat	ccttgacaag	ctcgccgagg	gcgacgacaa	caccggcacc	ctcgtggcca	1380
ccaacaaggg	gcagcttggg	gtcgaggggg	cagtcaccct	gccaggcggtg	gagatcagtg	1440
tggcagacac	cggagaactt	gacgttaacg	aggacctcat	cgggaccggg	cttctggacg	1500
ggaatctgct	tgtactcgat	gggaccagcg	gtcttctcga	agatctgagc	ccactgctgg	1560
gaaggaattt	ggggagcggc	cattttgatt	gttggggtgg	ttggttggtg	ggttgaaggg	1620
tatcgaaagg	ttgtcgtgaa	gactgaagag	ttgttggtga	gagtgttgga	gagttggttg	1680
atgatac						1686

<210> 153
 <211> 581
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

<400> 153						
cganatgacc	cgcatcatct	ggcagggtcat	caaggacaag	ttcatccacc	cctacctcga	60
catcgacctc	aagtactatg	atctcgggtct	tgagtaccgt	gacgagacca	acgatcagggt	120
caccattgat	gctgccgagg	ccatcaagaa	atactctgtc	ggtgtcaagt	gtgctaccat	180
caactccgat	gagggtcgtg	ttgaggagtt	caagctgaag	aagatgtggc	tttctcccaa	240
cggcaccatc	cgaaatgccc	ttggcgggtac	cgtcttccgt	gagcccattg	tcattccccg	300
tatcccccg	cttgttcctg	gctgggaaga	agcccatcat	cattggccgt	caogccttcg	360
gtgaccagta	ccgcgccaa	gatgctgtcc	tgcccgggtcc	tggttaagctc	tccatgggtct	420
acacccccga	gggtggccag	cccaggagaga	ttgagggtctt	ccaattcaag	gaaggagggtg	480
gtgttgccag	actcagtaca	acaccgacaa	gtccatcact	ggattcgctc	acgcttcttt	540
caactcgcta	atgacaaggg	tctccccctct	ctacatgaag	c		581

<210> 154
 <211> 1137
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1137)
 <223> n = A,T,C or G

<400> 154						
tccactgggtg	agtataccac	tgatcaatct	tatgtaattt	tcattcgccgt	cgtcttctctg	60
ggagaaacat	cagcaatgct	attccagtag	actacgagta	tcacaaaagc	acggacagcg	120
atcaactaca	tattcgagct	tcgacgcca	aagggtgctt	acgatgacat	aggggaatgag	180
cctagctgtg	agaagaacct	gaatgggaag	ggcatcgata	tttcttgcca	agagctcgcc	240
tttgcgatc	ctcgtcgacc	taaactgccc	gtgcttcgag	gtgtggacat	cagcatcgaa	300
cctggcaaga	tggtagctct	cgttggggca	tctggatgtg	gcaagtcaac	tatgattgca	360
ctacttgagc	ggttttacga	tccaaccagt	ggcatgataa	tggcggaaag	tcaagatatc	420
agcacaaga	ataggcgatt	gcatagacga	gacatcgctc	ttgttcaaca	ggagccgggt	480
ctgtatcaag	gttcgatccg	agacaacata	tccctcggtg	tcgaagaggg	caacccgcct	540
gacgacgaca	tcattcgaggc	ttgcaaacaa	gccaacgtct	atgattttgt	gtcctctctt	600

<400> 157
ctttcttcttta ttactcttcta caatgactgt caacaaacgc acaaagcagt ggtggaagca 60
ggccactatc taccaaactc accctgcac cttctgcgac tccaatggcg atggcatggg 120
agatcttcaa ggcacatcat ccaagttgga ctatatttcc agcttaggtg ttgatgttat 180
ttgggtctgt cctatgtatg actcaccaca agttgacatg ggctatgaca tctctaacta 240
tgaagatgtc tatgggtccct acggtactct ccaagatatg gaagagttaa tccgcaagac 300
tcatgaaaag ggcacgaaga tcatgcttga tcttggttat aaccatactt ctgacaagca 360
tgccctgggtt gaggagtcaa gacttagcaa ggatagcccc aagcgtgatt ggtacatctg 420
gcgacctgcc aagtactcag atgatgggtca acgtctccct ccaaacaact ggcgctccaa 480
ctttggaaag ggcagtgtct gggaatggga tgaggcaaca agggagtatt atcttcatct 540
ctttgctaag gagcaacccg atctcaactg ggaagaaccc aagagaccan aaagggccat 600
ctatgcntcc tctatnggaa tt 622

<210> 158
<211> 1435
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1435)
<223> n = A,T,C or G

<400> 158
catctcccaa gctcaactca agctcaagct cgcattctac gccagcaaat tcgtccattt 60
ctcacaactt cttcacccaa aaacacctct aatcaataac catggctgag atccgcgcaa 120
agctcgatcat tgcggcgcat ggtgcttggt gtaaaacctg tttgttgatt gttttctcca 180
agggcacttt ccccgaggtc tacgtcccaa cgcctcttca gaactatgtc gccgatgtcg 240
aggttgacgg caagcacgtc gagctcgccc tatgggatac tgctggtcag gaagattacg 300
accgtctccg acctctttct taccocgact cccacgttat cctgatctgc ttcgctgttg 360
actctcccca ctccctcgac aacgtccagg agaagtggat ctctgagggt ctgcacttct 420
gccagggtct cactatcatc cttgtcgggt gcaagaagga tttgcgatac gaccagaaga 480
tcatcgagga gctccgaaaag acgagccaga agcccgtttc ccccgaggag ggtgaggaga 540
tccgcaagaa gatctctgct tacaagtacc ttgagtgtc agccaagacc aacgaggggtg 600
tccgtgaagt gttcgagcac gctactcgcg ctgctctgct gtcacgcagc acccgtagca 660
agtctcaca gaagtgtctt gtctgtaaag ggcgccatcg aagccctttg aacgcagccg 720
acgcacacat accgtggcct gactctgcgt tgtaatcctt tgtcacaagt caacctcaac 780
ttggcccccg cagttcggat gaaacggggc cgtggcgggc aaaaaggcca gggctgtcgg 840
catgcatcgg ttttctcgga atctggagtt tgatctcgtc tcgctcatgt ctggtccatc 900
ggcctacacg ccgacctttc tcgctggatt gatggttttc tagtcggtgg aagcccatgg 960
tttcttgga ctcctgaatc tcgcaggggg gttgctatta tcgacagata cctcatcttt 1020
tttattatca cactggcag gcgagcggga cctttgtttt atgtatgtgc ttgccgcgta 1080
tggggagggtg ggccagatgt ctttttttgt tgggggcttt tgaggaggag gaggaggagt 1140
gactctcggt ccttgctctc ctgtctagtc tgtcagtgca ggctgatgga cgaanaatca 1200
ctcgggagat gttacaggag gccagganan actctgtgga ctggttaccg cgaaaaccgt 1260
ttgcgtctgc ttatgtgtgg atatgggact cggtcggggg aaccaagtc aagtcaggcc 1320
ataaatcttt tcgttttttc tcttgagacc tcaaaaccgt tccttaaac atggagatgg 1380
gacatntnt tgcgtagggg ccgcgncggg tnatctcttg atttttttna aaaaa 1435

<210> 159
<211> 796
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 159
 tgagcggaga taagatggac gtcgaggtcg cggagcagaa gatgaactcc atggagcaca 60
 gcgagcagca ctacttcaag agctacgac accatgggtat tcacgaggag atgttgaaag 120
 atgaggtccg aacacgatcg tatatgaacg ccattatgca gaacaagcac atttttaagg 180
 acaaggtcgt tctcgatgtt ggctgtggaa ccgccattct ccccatgttt gctgctaagg 240
 ccggtgctaa gcatgttatt ggtgtcgaca tgtccacat catttttaag gcccgtaga 300
 tcgtcaagat taacggcctt tctgacaaga tcactcttct ccagggaag atggaggagg 360
 ttgagctccc ctccccagg tgcacatcat catttncgaa tggatgggat cttcctnctt 420
 tacgagtcga tgcttgacac cgtcctctac gcccgtaga cttaccttca gaaggatggc 480
 ttgatcttcc cgacaaggcc accatcttct tgcgcggtat tgaggatggc gactacaagg 540
 aggacaagat tgagttctgg aacgatgtta cnggttcgac tacaccccc ttaaggccct 600
 gnttttttgn gaacccctcg tgacacttnt gangtcaagg ttggtgncaa ccganccnt 660
 ctgnccttac cctgatcttt acacctgcnc cgcgcgacc tggntttcca agggcccttt 720
 aacttttccg taaccgcagc attnntcccc ccctgggggg cggggttgaa nttgacttta 780
 ccgctgcccc aagcct 796

<210> 160

<211> 902

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(902)

<223> n = A,T,C or G

<400> 160
 gttagggacg cttaaact tttctctttt tttctctccc cccaaaaatc ttgttctctt 60
 gtttctctca tcaacagaaa acagcagcac ccaacctcag ctattattct ctcaatacct 120
 gctgcatacc tatagccgcy tcttcaata cctaagaatc gacattctct tttaacgtca 180
 cctaccatgg ccgaagagaa ggcagtcggc gcgcctgcgc tcgacaccaa catcgagact 240
 ggcggcttcg atgagaagcg aggacaagct cccgctaccc acaaccccaa ggctcccgtc 300
 gccgaggatg aggagccga tgaggacatg gacgacctga tcgaggacct cgagtccgag 360
 gacggccacg agatcgacga cgaagaggag gccactcccg gnggtggacg tgtcgtccct 420
 gaagaccagc tccagactga ctctcgtgtc ggtttaactg aagcagaggt tatcgcacgc 480
 anaaagaagt ggggcctcac ccnatgaaag aanaaagana gaacatgatt ctcaagttcc 540
 tcatgttctt cgggtggcca attcaatttg tgatggaagc tgccgctgtt ttggctgctg 600
 gacttganga ctggatcact ttggcggtat ctgcgctctc ttgcttctta acgcttgtgt 660
 tggattttatt caggagtatc aagctggcag tatcgtggaa ganctgaaga anactcttgc 720
 tctcaaggct gttgtctctc gtgacggtac tctcaaggag atcgaagccc ctgangtcgt 780
 tcccggatgat atccttcaag ttgaagaagg tactatcatt cctgctgatg gtcgtttcgt 840
 caccgaaggc tgcttctgcc aggttgatca tctgccatca ccgganaatc tctcgccgtc 900
 na 902

<210> 161

<211> 925

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(925)

<223> n = A,T,C or G

<400> 161
 ccaactncat cttgnatntt gcatctngca tcttcattct tnatnaacac cacagctcgc 60
 aatactcttt gtcgagcatc tctattcaca ttcaaccggt tcgattctc gatccgattg 120
 cccatcatga agagcgctct tcttaccgct gccgcgcttc tgggctctgc ccaggccggc 180
 gttcacaaga tgaagctcaa caaggttcct cttgccgacc agctggctat gaactccgtt 240
 gaggaccacc ttcagagcct cggccagaag tacatgggtg ctgctcgcgc caagaacgct 300

gccgactacg	cttttgctac	caacgtcccc	agcgttgagg	gtggccaccc	cgtccccggt	360
tccaacttca	tgaacgctca	atacttctcc	gagattacca	ttggtactcc	tccccagagc	420
ttcaaggttg	tcctcgacac	cggtagctcc	aacctttggg	ttccttccca	agagtgtggc	480
agcatcgct	gctacctcca	ctccaagtac	gactcatctg	cttcatccac	ctacaanaag	540
aacggcagcg	agttcganat	ccattacggc	tctggcagct	tgtccgggtt	cgtctccaac	600
gatgtcgttt	ccattggcga	cctcaagatc	aaggaccagg	actttgnttg	aggctaccaa	660
ggagcccgg	ctggccttcg	ntttcggncc	ctttcgatgg	gacccctcgg	ctcggcacia	720
ccgaattgcc	gngaacggca	tgggcccctc	cttttaccac	aggggttaac	aaaactcctg	780
gacgacgccg	gttttgtttt	ctaccttgac	ggtaagaggg	ccaaancgag	gctactttcg	840
gggggggtgac	aagggtccaag	aacactgggg	actcgattca	tttctttcnc	cgcaagggtt	900
antgggaggg	cnaccttntg	cctttt				925

<210> 162
 <211> 857
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(857)
 <223> n = A,T,C or G

<400> 162						
atcctcaaga	agtacgatgg	tcgcttcaag	gacatcttcc	aggaagatct	acgacaccac	60
ctacaagaag	gatttcgagg	ccaagaagat	ctggtagcag	catcgccctca	ttgacgacat	120
ggtcgcccag	atgatcaaga	gctccgggtg	ttacatcatg	gctcttaaga	actacgatgg	180
tgatgtccag	tcgacatttg	tcgcccagg	cttcggctct	ctcggctctca	tgacctctgt	240
cctcatcacc	ccgatggcca	agaccttcga	gtctgaggct	gctcatggca	ccgtcactcg	300
ccactaccgt	gagcaccaga	agggcaatga	gacctccacc	aacccatttg	cctccatctt	360
tgccctggacc	cgtgggtctta	tccagcgtgg	taagctcgac	gacactcccg	agctcgttgc	420
cttcgcccag	agcctcgagc	aggcctgcac	tgacactgtc	gacatcgacg	gtatcatgac	480
caaggatctt	gcccttgcca	ctggcaagtc	tgagcgcaag	gactatgcca	ccaccaacga	540
gtaccttgat	gctggttgagc	gccgcctcna	gaagaacctc	aaggagaagc	tgtaaaccatc	600
tttacaatgg	attcccaaac	ttccctaat	cactcaatac	ttccgcttct	ggctctcttt	660
acactgcaag	ancacactct	atcttcaggc	atcggcgctc	aatttggttg	caccgtctga	720
atgcatctca	ctcccaacaa	accacnagac	ctcacctctt	gtggcttctt	gacatccatc	780
tctcacggaa	aaaaaaaaag	gttgtcnatn	cttcatcacc	ggaacccctg	caaggcccct	840
gccgcaacta	caattat					857

<210> 163
 <211> 1049
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1049)
 <223> n = A,T,C or G

<400> 163						
ggaanaattc	gggcccagc	aatttttttt	tttttttttn	gaaggatgaa	atctcttttt	60
catttcagac	cgtaagcca	tcnatcacca	tagcctatac	gatctgaagt	gtcctaaccg	120
gccaacctat	gcaatgaaac	acaatggatt	cgtgactccg	cggcaccagt	ttccagcttc	180
ccatcagttc	ataaaacatt	cccgtcttag	tatcgcttgc	cctcgcgcag	agtatcggcg	240
aactcgcca	ggggacttcg	gatgagcttg	gtctccttcc	agaggttagg	ggtaggaat	300
ccgtaggtgt	tggagacggc	aacgaaaagt	gccttgaggg	tgctctcgag	ggctctgggt	360
gaaccggcag	aggatgtgta	ggcgctcttc	gacacggcg	agctggagga	atcgcttgac	420
agcggggag	gcaacgaggc	cagtaccacg	gggagcgggg	atgagacgaa	cgggtgacgga	480
accgcacttg	ccgctctcct	tgggtgggaaa	agagtggacg	gcaccaaggt	tggtacccca	540
gtaaccacgt	cggacgggga	tgacgcttga	gcttaacgat	gatgatggcg	gcacgggatg	600

cggtggcaac	ctccttgag	gtcttgatac	cgagaccgac	gtggccctcg	gagtcaccaa	660
tgatgacaat	ggccttgaat	cggttgcgt	gaccggcacg	ggtctgcttc	tggacgggct	720
tgatcttcat	gacctcatcc	ttgagcttgg	gcagnaagtt	gtcgacgac	tggactactct	780
tgatgggag	agagtgaagg	tagatctcct	ccatgctgtt	gatcttgccg	gccttgacga	840
gacgaccgag	cttggtgacg	ggctgccact	ccttctcctc	gttcttaccg	cgaccacggc	900
cacggccacg	accgcgtcca	cgtccacggt	caccacctcg	ggaagcgaag	cctccaccgc	960
gagaagttcc	tcggtcagcc	attgtgtctg	attgtgttga	ttgagctggg	gggtgggagg	1020
gagaagttag	gtgctacgca	agagcaaag				1049

<210> 164
 <211> 728
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(728)
 <223> n = A,T,C or G

<400> 164						
gcttgctcaa	caaggagcag	ncaagcttct	tttgatatca	tggatgtcac	tacctcagac	60
cgaagccccc	gctcgtcntn	ttgccgcgca	ggcgcttgca	cnaatnttga	taagcacgaa	120
tcctgcactt	gtctttggtg	gaaacagatc	tacccctatt	ggtgctgctg	taaggccact	180
cgtgtccatt	attccacccc	acccggctgc	tcagacgcga	gatctcttgc	cctcctttga	240
ggctctgatg	gcgttgacca	atcttgcttc	tatggacgac	gaggagtga	gacgcagcat	300
aatcaacacc	gcgtggacgc	agattgagga	acaaatgcta	gcctccaaca	cacttgtttc	360
aagagctgcc	gttgaacttg	tctgtaacct	tgtgcagacg	cctgaggctg	ttgctctcta	420
tgctgaaaaa	actgccaagg	cccgcgaatc	tcttcatgtt	ctcactgctc	tagctgatgc	480
acctgacgcc	ggaaccgcga	gcgctgctgg	tggtgcattg	gcgtcactga	ccaactttga	540
angtgtcatc	cgaagcatta	ttagccgaga	ccgcggcgtc	aaatttattc	tgggaatgtg	600
tgtggacgan	gaanaagata	tccgacatcn	aggcgtgttt	gtggtgacaa	acatggtcac	660
agcggaaggt	gaantcngcg	aacttgcaen	ggaaaaggtc	aagaacgaag	gaagctcnaa	720
acctcaag						728

<210> 165
 <211> 922
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(922)
 <223> n = A,T,C or G

<400> 165						
cttgcaccca	acaattcgag	ggacgactaa	ccccagcagc	acaggaaatc	caaattcttcg	60
ccgaccgggt	tgaggatttg	tttgtctagc	cgtcgactga	gctgcctttc	tttccttttc	120
tttaatcccc	ccagaaaaga	cggttacgat	gtccagcttc	gagcaagttg	tcgtcatoga	180
tggcaagggc	catctccttg	gccgactcgc	ctccattgtc	gccaagcagc	tccttagcgg	240
tcagaagatc	gttatcgctc	gttgtgaggc	ccttaacatc	tctggagagt	tcttccgcgc	300
caagctcaag	taccacgccc	acctccgaaa	gatcacccga	tacaacccca	cccgcggtgg	360
tcccttccac	ttccgcgctc	cttcagaaat	cttctacaag	gccgtccgtg	gcattgatccc	420
cacaagaccg	cccgtggtgc	cgctgctctc	ganccgctca	aggtcttcga	aggtgtcccc	480
ctccttacga	caagacaana	agtcgtcggt	ccccaggtc	tccgcgttct	ccgactccag	540
ccgggccgca	agttctgcac	tgtcggccgt	ctgtcccaag	aggttggtcg	ggaattacca	600
ggatttcggt	cccgatttg	aggagcgaag	aaaggctaag	ggtgccgcct	actacgagcg	660
caagaagatt	gctgcccaga	actggccgat	gccaaagaag	acgccactgt	caaggaggag	720
acctcaaagg	ctcttgccaa	cttcggctac	taagctgttc	atatnccctc	acctgggaatc	780
ttgccggcta	gatacagctg	gcaacgctat	catttctatg	cgtttcatta	gatgcgccgg	840
nggtcaaang	gattacttga	tttntgantg	atggcaaggt	gntngaggat	aaatgtcnat	900

ccccaaanaa tgttttttnaa aa

922

<210> 166
<211> 1247
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(1247)
<223> n = A,T,C or G

<400> 166
ggttttcccc ccttcttctt ttctcttctt cactccaccc aacaatctcc cctcagtcct 60
ttgtcgtctg aataaccatc ttccacaatgg ctgcctctac cggatccacc aaggctcgacg 120
ctgtcgtcca gaacatcaag gctgagactc ctgagaagaa gtctggcctt gccctctact 180
cccgattcgc cettgccggt gctgtctgct gttccgtcac ccacgggtgt ctcacccccg 240
tcgatgtcgt caagaccgct atccagctcg accccgctac ctacaaccgc ggtctcatcg 300
gtggtttccg ccaggtcgtc aagaatgagg gtgctgggtg tctcctcact ggtgtcggcc 360
ctacctttgc cggttacttc ctccaggggt ctctgaagtt cgggtggttac gagttcttca 420
agcagcagtg gattgacact ctccggtacg agactgcttc caagaaccga actgctgtct 480
acctggcctc ttccgccact gctgagttct tcgccgatat cgtctctctgc cctcttgagg 540
ctacccgat cctctcgtc tctgagccca cctacgccag cggctcgtc tctggtctcg 600
gcaagattgt caaagaacga aggggtgtcg tgctctctac gccgggttctg gacccattct 660
cttcaagcag atcccttaca ccattggccaa gttcgtcgtt tcgagaaagg tcttttgagt 720
ctgtctttcc gcactttccc caagaaggac ctcttcgacg gtatgcagac tgnhgccaac 780
cttggtctcg gtctgaatgg cggtttcgcc ggtgncatcg ttttttagcc cggcgacacc 840
atgctcttca agatcaaaca agaccaaggg tctcccnggt gagggcactg tctctcgtct 900
cgtcaagatc ggtaaggagc tcggtatccg tggtctttac tctggtatcg gtgncgtct 960
cttcatggtc ggtactctca ctgcaggcca atttgccatt tatggcgact tgaagaaagc 1020
tatgggtgct actggtgggtg tngagatcgc tgcttaaacg acctgaatac atttngataa 1080
ttgtggagaa aaagtacta ggtgcaaagg atgaanggggt naatagccgt ttncaagntc 1140
ttgatgcact ttccggcatt tcgaaanacc atgatagata atgtcactna agngcaggat 1200
gcttttacna atncttctct taaccttgta aatcgttcca aaaccgt 1247

<210> 167
<211> 646
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 167
gccaaaggttc ccttccctaa ccctacgact tatgacgcca ttctgcgata ccatctcgag 60
atctgcgctc ctggtttccg tcaattcggt tctactctcg ctgctttcgc tccaacgac 120
gctatcaagg ctgagatgaa ccgtctcggt agcgacaagg actacttcca tganaagacc 180
ggccctcact actacaacat cgtcgttttc ctctccagtg tcagcaaggg tgagaagtgg 240
accacaattc ctttctccgc ctttattgag ggtctcacca agctccagcc ccgttactac 300
tccatctctt cctcctctnt ggttcagcct aagaagatct ctatcactgc cgtcgttgag 360
tcccagcaaa tccttgccag ggatgaccct ttccngggtg tcgctacaaa ctacctnttt 420
gccctgaagc anaagcagaa cggcgacccc aaccagcac ctttcggnca nacatatgag 480
cttacaggtc cccgcaacaa gnacgatggg atccatgttc ccgttcatgt cgtcactnca 540
acttnaagct accttcggat cctggcaagc ctgtcattat natnggccct ggtactnagg 600
gtccctcctt ttccgggggt ttcctccaag aaccgtgcca agngntg 646

<210> 168
<211> 1486

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(1486)
<223> n = A,T,C or G

<400> 168
tgagattcac aaggggtattg gttatgcgcc cgagaagtac ggcgtcggtc tgtgggtcgca 60
gaacagagct gagtggcaga tcgctgattt tggcgtgct tctcaatccc tgtattcagt 120
ctcactctac gagactctcg gtcccgacac aacagaatac atcatcaacc atgccgaggt 180
cgctgtgtgt gtctgtctctc ttccccatat ccctgttctt ctcaagatgt cgctctgact 240
tccaggcctg aaactcatcg tgtctctcga tcccttgag caggggtgaac tggcttctca 300
caccaaagcc tctgtcctga atgagattgc ttctcatcat ggaattcaga tcttttccat 360
ggctcagggtt gaggagattg ggcgcaagtc tggacgtgca cctcaacccc ctacccgaga 420
agatatctgc accatcaact acacctctgg tactactggt aaccccaagg gtgttttgat 480
cactcacgga aacgcggtt ctgctatcgc aggtggcga acgaacggca acgtgagccc 540
caaggatact cacatgtcgt atttgccctct tgcccacatt tatggccgac tcattgatca 600
gattgtctgtc gctgagggtg ctgctgattgg tttcttccgg ggtgacatcc tgggcttggg 660
tgacgatatg aagatcctca agcccactgg tttcatctct gtctctcgac tctttaaccg 720
tttcaattca gccattcgca cagctactat cgaagccgat ggagtcctgt gcgctcttcc 780
ccgacgtgtt atcgatacca agaaagccaa tatgcgacta ccgccaggaa aggcttccaa 840
caccacttct ttgtacgacc gaatctggac tcccagggtt aaggccgctg tgggcatgga 900
caaggntcac agcatggtca gtggcagcgc ccaacttgat cctgatgttc agcagttcct 960
acgtgccgcc tttgccaacc actttgcaca aggttttggc atgaccgana catacgctgt 1020
cggtccatc caggcccgag gtgatttcac tactggaaac atcgccggtc ccatgtgttg 1080
tgtggaactc tgcctcgagt ccgttcccga gtctgattac actgtggatg acaagcccaa 1140
ccctcgtggc gaagcttctc ctccgcggtc ctgttatttt ccgtgagtac tacaagaacg 1200
atgaggagac ccgcaagact ctggatgccg acggttgggt tccataagcg gtgacatctg 1260
cgaagtggac aagatgggtc gcttcaagat cattgaccgc aanaagaacg tcctcaagct 1320
cgcccagggc gactacatct cccctgagcg tatcaanaat gtttacatgg gcagcaccag 1380
cctcgtcaac gcggttttcc gtccacggng acggcactca ntctcgttg gtcgcgattt 1440
ttggcattga tgtggaaaag cttttgcccc attcgctaac aagaat 1486

<210> 169
<211> 552
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 169
gtgggtgttt cagctacaag cgtggacgaa acttcaaaag tttgatttta gagacacacc 60
gaacaaaacc tttgccaagc tcaagaccct ctttgaggga agtgatatgt atcagcgagc 120
ttcgccaact atcgctcatc tcaaagaagt tgtagagtat tgtaagcact tgagtgtagg 180
gacaaangtc tacatcaatc ctctcaacag tctgaaggag gcctttttaca cagggggcgt 240
tcttttctcc tgcctctatg acaagaaggt caangatgtt tttgctgccg gtggcagata 300
cgatcaattg atcaaggaa atcgacctaa agttggcagc cagtttggag agcgtcacgc 360
tgttggattc agtttggcgt ggggagcggg tagcaaaaac cccaaaagct ggtggacggt 420
cgttcttgaa gaaggctgaa gatgaatcaa atggtctatt caacgctcga cnatgtgact 480
gtcttgttgc cagtttcgat gctgctgtgc tganatcgtc aggtgttgan atactccaga 540
ctctttgggc gc 552

<210> 170
<211> 1522
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1522)

<223> n = A,T,C or G

<400> 170

aaggcgtacg	acacttttga	ggatatcaac	tcagaccctg	aaattgccga	ttctctgcga	60
aacctgtacc	agcaccctga	ctacgtcgaa	ttgtaccccg	gcacgcgtcg	agangaggca	120
aaaacgccta	tgggtccagg	tgtcgggtatc	gctccacagt	atacaatctc	ccgagtgggt	180
ctctcagatn	ctgtggctct	tgttcgtgggt	gacaggtaact	acactataga	ctaccatcca	240
cgcaacttga	ccaattgggg	cttcaaggaa	gttgattacg	acctcaagat	caaccatggc	300
tgtgtcttct	acaagctctt	cttgccgcgca	ttccctcagc	acttcaaggg	caattccgct	360
tacgctcact	accccatggg	tatcccttca	ganaacaaga	anattctcac	tgacctgaag	420
cgcgccggtc	gttttgactt	tggctcgtct	gcgcccacag	caacacgcac	caacattgtg	480
ggctacaagg	cagccaagta	catccttgaa	gaccagggtc	agtaccgtgt	ctgctgggag	540
gagggcctca	agcaccttat	gggtgagggt	gggtggacgt	ttatgctgtc	tggcgacaca	600
gcgctgcacg	cacagcagcg	caagtgcattg	ggctcgtctgc	tgtacaacga	cacctggcgc	660
aacgcgggta	agtcgttcta	ctcgacaacg	gccgagatgc	ttctgaagga	aaagtcatac	720
aagcttgacg	gtaagacaca	agttgatgtc	gtgcgcgacg	tgggcaacgt	tgcacacaca	780
cactttgtcg	cgaggatggt	caaccttccc	ctcaagacga	agcagaacct	caagggtgtc	840
ttttcggaac	aggagctgta	catgatcctt	gcagtcactc	ttgtgtgcat	cttcttcgat	900
attgaccctg	ccaagtcttt	ccctctgagg	cagggtgcca	gagagggttg	gcagcagttg	960
ggtaagattg	tggagatgaa	cgtcaaactt	gctaccagcg	ttgggtatcaa	agggattggt	1020
taccagcaag	cccaacaaga	acgatgatcc	gctcgtctgc	tacgggtgaga	acatggccaa	1080
gggtctgaan	aagctgggtc	gagcattgat	gacatcgtgt	ggagccagat	cttgcccact	1140
gctggggcta	tgggtgccga	tcaggctcag	gtgtttgccc	aaaccctgga	ttgggtacct	1200
tctcctgctg	gtgagaagta	tcgccctgag	cttcacgtga	ttgccgctct	ggagacaggg	1260
aacgagacgg	atgctcttct	gctcggctac	gcgatggaag	tattcgcattg	gctggtacat	1320
ttggactgta	ccgcgaacca	caaccgccga	ttcatccaaa	aaaatnacgt	cgtgaagttc	1380
ctgtcnaggc	tggtgacaaa	tctttgtttc	ctttgtcaca	ctgccaaaana	cccaacatct	1440
tccccaacct	cgaagaattg	atcctcncct	cctctggacc	ntatatccct	atgctttgcc	1500
ccatcttgct	tttgaaaaaa	na				1522

<210> 171

<211> 630

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 171

gtcacactcc	cctactccgt	acgtgagggt	atcaacatct	tccttgacgg	tcacatcccc	60
accgaaaact	tgcgattccg	tgatgagtct	ttgaccttca	naattgcaga	naccgccgat	120
gagttccaaa	tcgacaagtc	gcgtgcattc	acctacccca	agatgganaa	gacctagggc	180
agcttcaagc	tcagcatcga	agctgggtgac	ttcactgatt	ccgagatcat	tgtcatgatg	240
gggtgagaacg	gtactggaaa	gacaaccttc	tgtcgtntct	tggccggcgc	cctgaagccc	300
gacagcaana	agagcgtccc	cgagatgcga	atcagcatga	agccccagac	cattaccccc	360
aagttcgatg	gtactgttcg	ccagctgttc	ttcaanaana	tcaagcagtc	tttnttgtct	420
ccccagttcc	agaccgacgt	tgtcaagccc	ctcaagcttg	acgacttttt	gaccaagaag	480
tcaaaaacct	gtccgngngt	gaattgcaac	gngttgctat	tggctcttgc	ctcggnatcc	540
ctgttgatat	ctaccttata	gaagagccct	ntgnctacct	tgattncgag	cagngtttat	600
tcgcctcggg	ggttatnaaa	cgatttatna				630

<210> 172

<211> 625

<212> DNA

<213> *Fusarium venenatum*

<400> 172

tgcgacgcca	tctggatgga	gtccaagctg	cccgattacg	ctcaagccca	acagttcgcc	60
gaaggtgtcc	acgctgtgtg	gccagagaag	aaactcgect	acaacctatc	tccatccttc	120
aactggaaag	cggccatgcc	tctgtacgaa	caggagactt	acatccgacg	cctgctaagc	180
tcggttactg	ctggcagttc	attactcttg	caggcttgca	cacaacagca	ttgatcagtg	240
accagttcgc	aaaggcttac	agcaccgtcg	gtatgcgtgc	atacggtgag	cttgtccaag	300
agcctgagat	ggaccaaaaa	gtcgacgttg	tcaaacacca	aaagtggagt	ggtgctccta	360
cgtcgacgag	ttgcagaaga	tggctactgg	tggcattagc	ttcacggctg	ctatgggctg	420
cggcgtgact	gaagatcaat	tcaaatagat	gtcaccgcgag	cgagtgatgg	gatgattacg	480
gaggcgagga	aacgagacgc	gatgtctcgt	gggaaaactt	tatggatgtg	ggaaaataaa	540
aagacaagcg	gcgaagcttt	tataatcttt	taagcattta	aatatcatgt	actttctgca	600
aattctgact	tgcatttccg	tcaaa				625

<210> 173

<211> 588

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = A,T,C or G

<400> 173

ggaaagtact	ctgaagtctt	tgagggtatc	aacgtagtca	actaccagaa	gtgtgttggt	60
aaggtttctga	agcctgtcaa	gaagaagaag	attaagagag	agatcaagat	tcttcagaac	120
ctggetggcg	gccccaatgt	tgttgccctg	cttgatgttg	ttcgcgactc	gcagagtaag	180
acaccgtctc	tgattttcga	gcatgtcaac	aaacccgatt	tccgaagctt	gtaccccaag	240
ttcaatgata	ttgatgtccg	attctacatc	tttgagctcc	tgaaggccct	cgattttctgc	300
cacagcaagg	gaattatgca	tgcgatgttt	nagcctcata	accgttatga	ttgatcatga	360
gaaccgaaag	cttcgtctga	ttgattgggg	tctggcncga	attttatcac	cctggtagcc	420
gaatacaatg	ttcgtggctg	cctctcgtta	tttcaagggc	cctgaggttg	ttggctcgatt	480
tccaggagtn	ccaatacnag	ccttgatatg	tggagccttg	gagcccatgt	tgctctctga	540
ncttttcccc	aaagagcctt	ttttttcacn	ggaancagaa	ctccgant		588

<210> 174

<211> 588

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = A,T,C or G

<400> 174

gacggctttg	ctaacgtcag	cgtcgacacc	tggcttgagg	tcattcccca	attgattgcg	60
cgaatcaacc	aaccgaacaa	gcgcgttcag	caatcggtgc	ataacttgct	tgccgatgtc	120
ggacgagctc	atccacaagc	tttgggtgat	cctcttactg	tcgccatgaa	gtcctggcag	180
aacacaagac	gatctcgttc	cgcagctcaa	attatggaca	gcatgcgaca	gcatagcgca	240
aacttggtcg	ctcaggcaga	cattgtcagc	cacgaactca	ttcgcgtggc	cgtcttgtgg	300
catgaacttt	ggcacgaagg	actggaagaa	gcttcgcgtt	tgtactttgg	tgaccacaac	360
attgaaggca	tgtttgcaac	tctggagcct	ttgcacgagc	ttcttgagcg	tggacctgan	420
actcttcgtg	agatctcatt	cgcgcaagca	tttggctcag	accttaagga	agctcaagan	480
tgggtgccggc	aatacnanac	aagtcaagac	tcaatgaact	gaaccaagca	tgggatctct	540
actaccangt	gttccgtaaa	tcacangcag	cttcctcagg	ttactact		588

<210> 175
 <211> 756
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

<400> 175
 tctcaattc ttttacttcc tacaaaacat cgcaatcatg tcgctgtcca acaagctctc 60
 catcgctgac gttgacgtca agggcaagaa ggtcctcatc cgagtcgact tcaacgtccc 120
 tctcgacgcc gacaagaaca tcaccaacaa ccagcgaatt gtcggtgctc tccccaccat 180
 caagtacgcc ctcgagaatg gcgccaagtc cgtcatcctc atgtctcacc tcggacgccc 240
 caacggctcc cccaacgaga agtactccct caagcccgtt gtcgccgagc tcgagaagct 300
 cctcagcaag aaggtcacct ttgccccga ctgtgtcggg cccgaggtcg aggagatcgt 360
 caacaaggcc gaggatggct ctgtcatcct cctcgagaac ctccgattcc acattgagga 420
 ggagggtctc tccaaggata aggaggcaa caagaccaag gccgacaagg ctccaggttga 480
 ggctttccgt aagggtctga ccgctcttgg cgacgtttac atcaacgacg ctttcggcac 540
 tgccaccgtg ctcaactcctc catggctcggg gtccgacctc cccaaaaggc ctccggtttc 600
 ctcgtaaga aggagcttga gtactttggc aaggcttttg agaaccacca gcgccccttt 660
 ctgccatcct gggggngcc aaggtctccc aaaagancca cttaatcaca accttttttg 720
 aaaggtcaac acnnttttat ttgnggggga ttggcn 756

<210> 176
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<400> 176
 ctggaatcac cgcaacgttc gacgatcagc ttccgcagaac atcgccatca tgtctacccg 60
 aaggcccaaa ttctctcagc aggtgcttat cgacaccact ccgttgccct cggacattcc 120
 cgctgtcaag gaggtcgggt ccagttctgc gcctcttctt tcagcctctt tcttcatcgg 180
 cgctcgatgc cgcgactaca gcgatgatta catgcaatgc aagaacgaca accccggccg 240
 aggagagttt gagggtctga aggaaggctc acgagtcact agatgtgcct ccagcgctcat 300
 caaggacatc aacaccact gtctggccga gttccgcaag cactgggaat gccttgaaga 360
 ccgaaaccac cagctatggc agtgccgcc tgctgagtg aagctcaaca agtgcgttta 420
 cgataacttg aaacttgaga agaagattcc tgaccagccc accaactcga ctcccgttca 480
 cctccgacca aagcagatct ttgccgacgt gcgcatcggc cctggtgatg gtaagccctt 540
 tgttccgggg caggaggatg cgcacaatag aatgctggaa tcagttaaag t 591

<210> 177
 <211> 587
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 177
 ctattgcccg ccagattccc ggcttctgcg ctcttgtoga ccgtaacgtt ctctcaacg 60
 atattatggg cagcatcgaa agaacttgtc tccgacactt ctcaacatgt tcgctgtgcg 120
 cttggcacca gatcagtggc ttggtccta ttcttgggaa agcaagaaac cattgaccac 180
 cttctcccat gttccttcag atgctcaagg acgantttcc cgangttaga cttcatatca 240
 totcaaagct cgagcttgtc aaccaagtta ttggcatcga cctgctctcg cagtcactcc 300
 ttcccgaat tgtgcaactc gccgaagata agcaatggcg aatgcgactt gccattatcg 360
 agtacattcc ccttctggcc agccaactcg gtgttcaatt cttcgatgan aanctcagca 420

[illegible][illegible]

00000000000000000000

[illegible]

00000000000000000000000000000000

[illegible][illegible]

tgacaacgtc	aaacagacgg	agtcggccag	cttcgtttcg	agagtcgata	tcgctgggtg	360
tgagggcagc	agcactgggtg	ttgttgcggt	caatgatgat	agactcggtg	gagaactggg	420
agtagatagt	cgtggactcc	ttctcagaag	ccaagatttg	gaaaccagcc	ttcagggtcag	480
agtcgcgggc	agacttgggg	aaggagatgg	agctcttaag	aaggtanaac	ttggagtcng	540
ggttgttgtc	aaaaagtggc	gatcctgact	tgctgatgtt	tcgaccagct	tcaataatgg	600
gcttaccttg	gtgaactcgg	ccatgggcta	cgancaataa	cctgctttat	ggngggcgag	660
cttcaggatc	ctggctcgnt	tnttttaacg	cgccatgagc	ccttctnngc	anaaaaactt	719

<210> 182
 <211> 1045
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1045)
 <223> n = A,T,C or G

<400> 182						
tgccaattgc	ctaagccatc	aatatgatct	cgagatcgac	ccttgccgca	accgcgcagc	60
aggctgccc	ccagtccctg	cgcgtccagc	gacnaacata	cgccgccgct	gcttcgaccg	120
gatcatacga	gacctcggat	gcgtctggcc	tcaagattgc	ctcacgggat	gcccacggcc	180
ctactactaa	gctcgcgtgt	gtagctaagg	ccggtactcg	ataccaacct	ctccccgggc	240
tgactgctgg	ccttgccgag	tttgccctca	agaacaccca	gcgacgatct	gctcttcgca	300
tcactcgca	gtctgagctc	ccttggtggtc	aattggcttc	ttcccactcc	agggaggctg	360
ttattgtcga	ggccaacttc	ctccgcgagg	atctgcctta	ccttactgag	ttgctcgctg	420
aggtcatttc	catgactaag	tacactaccc	acgagttcca	cgaggatgtc	gagcgtgttc	480
ttaccataag	caggccgcct	caacgccgac	gtcgcgcgca	ctgntnttga	caacgcccac	540
gccatcgctt	tccactctgg	tctcgggtcc	tccatcctcc	ccagcttata	aactccttac	600
cagaagtaca	tgaacgagga	gtacatcgcc	agcttcgcgc	atgccgctta	cgccaagtcc	660
aatatcgccc	tcgtcgccga	cgggtgectct	gccgatagcc	tctccaagtg	ggttgggtcaa	720
ttcttcaacg	atgtgccctc	caccccccca	aacggcagac	cctnaagacc	gaggccgcca	780
agtatttgg	tggtgagcag	cgaacaaaat	ccactgncgg	caactctatc	gtcattgnc	840
tcccggtaac	agttacgagt	ctggcaagcc	tgagaacgct	gtcctggctg	ntttcttgg	900
ggcaagcaac	tgncaagtgg	gcttntgggt	taacatgctg	gccaaaggc	cggtggnact	960
gcngtttaac	gnnaaaactt	caacttcttt	atthtgacgn	cggctcttgg	cgggtcaagt	1020
aacggtctgg	ccgctttgtn	cgcaa				1045

<210> 183
 <211> 508
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(508)
 <223> n = A,T,C or G

<400> 183						
agcacgacga	gatgggtgctt	actgctttcc	gagtgttcaa	caacgctatc	ctcaagacca	60
actacttcac	acccacaaag	gttgccctga	gcttcgctct	tgacccctct	ttcctccctg	120
acgtcgagta	ccccaaagcc	ctttacggca	tgctcctcgt	catcagctcc	gagtctcgag	180
gtttccacct	ccgattcaag	gacatctctc	gtggtgggat	ccgaatcgct	aagtctcgca	240
acaaggaagc	ttacggcatc	aatgcccgat	ctctcttcga	cnanaactac	ggtcttgcca	300
gcactcagca	gcgcaagaac	aangatattc	ctgaggggtg	ttccaagggt	gttatccttc	360
tggaccctaag	cagcaaaaac	gtgctcgca	agctttcgaa	aaantacatc	natngtatcc	420
ttgatctctc	ccgcccgctg	anacacctgg	ttatcaaaaa	ccccattgtt	caacctttac	480
ggcaaggaag	aaaatctctt	cctgggggt				508

<210> 184

<211> 658
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(658)
 <223> n = A,T,C or G

<400> 184
 cgagaaggag tctggcctgg ctctgtgtgt tggttccggg tccgctggta tcgctgagct 60
 ggctgtcttc caccctgtcg acaccattgc gaagcgattg atgagcaacc agtctcgtat 120
 ctctggttcc agccagttga accaagtcac cttcaaggac cacgcctccg ctctatccgg 180
 acgaaagtgc gtttctctct tccctgggtct gggatacgcc gccggttaca aggtcctcca 240
 gcgagtctac aagtacgggt gtcaacctgt cgctcgtgat tacctggcca agcactatgg 300
 ctctgacttc gagaacgctt ttggcaagaa gactggcaag gctattatgc actccactgc 360
 tggaagtctg attgggtatt gtgagatcgt ctctgctctc cgatgtcctc aagatcaagc 420
 gtcagacaaa ccccgaggct ttccgcggnc gtggtgtcct caaaatgggt ccgatgaagg 480
 tttcggcttg tccgtggntg ggggtggact gncgcgctaa cgcctcgtgt tcgttcgctc 540
 tgtcngnggc tctgccttcg ccaaggatac cttttncacc ttgaggatac aacaaggcca 600
 ctgggtncaa aactttgtgc tttcattgcg gggccttggc tttnttggcg ncttcccn 658

<210> 185
 <211> 1030
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1030)
 <223> n = A,T,C or G

<400> 185
 gtccctctct ccgagcttcg actttccaac ctttctttgt tctgtctctg tattctttgc 60
 accatcatca attggcagag acacagcaat catgttcaac cttcgtcgcc tttttgcgtc 120
 ggccctgttc cttgggctcg gcctcctctt cctcgcccag acggccgagg ctgccaaggg 180
 tcccaagatc acccacaagg tctacttcga cattgagcag ggtgacaagc ctctcgcccg 240
 cgtcgtcatg ggtctctatg gcaagactgt ccccgagacc actgagaact tccgcgtctt 300
 ggccactggg gagaaggggt tccggttacga gggctctgct ttccaccgcg tcatcaagaa 360
 ctttatgatc caggggcggg acttcaccaa ggggtgacggc actgggtggca agtccatcta 420
 tggcgaccgc ttcaaggatg anaacttcaa gctcaagcac accaagaagg gtcttctctc 480
 catggccaat gccggccgtg acaccaacgg ctctcagttc ttcattacca ccgttgtcac 540
 ctcttggctc gatggcaagc acgtcgtctt cgggtgaagtc ctcgagggct acgagattat 600
 cgagaagatt gagaacagca agaccggagc ggcggaaccga cccgtcgagg ctgtcaagat 660
 cgccaagagc ggcgagcttg atgtccccc tgaagggtatt cacgttgagc tctaaagagg 720
 caacattgca cttgtccagt ccgttctcgc caccgttgat aaacttccaa aaaaaaggc 780
 aggatttgcg gatgcgtaac cctntgtccc gtttaggcctt gccggcacat ctgaagttcc 840
 cttgctgaaa aagggttgct tccactggat ggtctcctat tcagaaggct tggcctcttc 900
 cncatctttg ctgggtgncct ctttgttggg ctccgcagcg cccgacagca ctctcgattc 960
 taagcgactc gagaccgggt cttttataaa gaacaagaca agacaatata atacctgaca 1020
 ttccaaactc 1030

<210> 186
 <211> 765
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(765)

<223> n = A,T,C or G

<400> 186

ntcttcgttc	aancgctggc	ctatcgattg	cggcagcggc	agctacattt	caaaaaacaa	60
ctagaaaacc	agccatcgag	tttgggtgtaa	ggaaaatgca	cagcanggtt	gtcattatcg	120
gttccggggc	tgctgcccac	acggnctgctg	tctacttggtc	acgagccgag	ttgaagccccg	180
ttctctatga	gggtttcatg	gccaacggta	tgcgcgctgg	cgggtcaattg	accaccacca	240
ccgaggttga	gaacttcccc	ggtttcccca	agggatatcat	gggaggcgag	ttgatggaca	300
acatgcgagc	ccagtcgcgag	cgcttcggca	cagaaatcat	caccgacacc	gtcgctaccc	360
tgcacctctc	ttcccgtccc	ttcaagtaca	ctaccgagtt	ctcccccgag	gagacacaca	420
ccgccgagac	cgctcatcctc	gccaccgggtg	cctcagcccg	tcgtctcaac	ctccccgggtg	480
aggacaagta	ctggcagaac	gggtgtctccg	cctgcgctgt	ctgtgacgga	gccgtcccaa	540
tctttcgcaa	caagcctctt	tttgtcattt	gggtggtggtg	actccgccgc	cgaggaggcc	600
actttcctca	caaagtacgc	cagccacggt	accgtcctcg	tccgtcgcga	tgtcctccgt	660
gccagccgaa	ccatggccaa	ccgacttgct	aaccacccaa	gtgcactgtc	ttgttcaaca	720
gcgggtgcc	ctgaaatccg	angtgggtgaa	ganggtctca	tgaac		765

<210> 187

<211> 1602

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1602)

<223> n = A,T,C or G

<400> 187

atagtctcgt	ctcaaacaga	gacagatcac	aacttgacat	aaaagagctt	gatccccaccg	60
ctttctagtc	acaacatcat	catccatcaa	tctcatactt	tcattcaatc	atcatctctt	120
catctcttct	gttgaccatg	aaacttcttc	aacttgccac	cctgggtggct	tccatcagcc	180
cattcgccag	cgcagcagac	gcaaacgcct	ggaagtcgcg	aaacatttat	tttgctctca	240
cagatcgtgt	tgcgcgtagc	ggtagtgata	gcggcggtaa	cgctgcggc	aatctcggaa	300
actattgcgg	tggaaccttt	aagggtcttg	aggctaagct	cgactacatc	aagggcattgg	360
gattcgacgc	catctggatc	actcctggtg	ttgagaacac	ggatggcgga	taccacggat	420
attggggcaa	aaatctttac	gaggtcaatg	ccaagtacgg	aaccaaagac	gacctgaaga	480
gtctagtcaa	cactgcccac	agcaagaaca	tgtacgtcat	ggctgacgta	gtagcaaatc	540
acatgggtcc	aggcatccaa	aaccacagac	ccgaacctct	gaaccaacaa	agttcttacc	600
actcttcctg	cgcaatcgac	tacaacaacc	aaaacagtat	cgagcagtgt	gagatcgctg	660
gcttgcccga	tctcaacact	ggtagcgcaa	cagtcaagaa	ggttctcaac	gactggatct	720
catggctcgt	ctcggaatac	agcttcgatg	gtatccgcat	tgacaccgtc	aagcacgtcg	780
aaaagggctt	ctggcctgat	ttccagaagg	ccgtggaggt	cttctctatc	gggtgaagtct	840
gggatggaag	ccctgattac	cttgagggtg	actcaaagggt	catgcctgggt	ctattgaact	900
acgccatcta	ctaccccatg	aaccgcttct	accagcagaa	gggtgaccca	tccgcagtgg	960
ttgatatgta	caacgagatc	agccaaaagt	ttgacgaccc	aactgtcctg	ggaacattca	1020
tgcacaacca	cgataatcct	cgatgggttaa	gccagaanaa	cgaccaggcc	ctcctcaaga	1080
acgcccttgc	ctacgttatt	ctctctcgtg	gtattcccat	tgtctattat	ggcaccgagc	1140
aggggttacgc	tggaggcaat	gaccccgcaa	accgtgagga	tctctggcgt	agcaacttca	1200
agacagactc	agacctttac	cagactatct	ccaagctcgg	aaaggccgct	ccgctgttgg	1260
tgggtctcgca	ggaaacgacc	agaagtccct	caagtccaat	gacagtgcac	ttatcttggga	1320
gccgtgccga	tagcgatcta	attgttgtga	ctctgaatcg	aggaaaagga	ttttccggag	1380
agtactgnnt	caacactggc	aagaacaaca	angacttggg	gacagagatg	ctangccaaa	1440
ggaaactgtca	agtctgacgg	taacngccag	ctatgtgtta	agctacacta	acggngaacc	1500
ccgagggtct	ncgntgcggg	aaactaaatg	gngngncgag	tttnaaaaga	actagtactg	1560
ggtacaagcc	ttttgggggtg	gattctactt	tcttatctta	tg		1602

<210> 188

<211> 1236

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1236)
 <223> n = A,T,C or G

<400> 188
 tttttttttt ttttttaggcc cttttntttt tggggggcatc agattttttgc attcctttttt 60
 ccctatgacc gtccgtgaca tgcagtaacc gcgataatcg ataaaccagg catccggccc 120
 atccccacc gtgtgtatgc gcgtgcgcta acgacacggg cccatagtcc acgccataac 180
 aaatcaatcc acccttttct ttaacatcat cgtgatacca tgcccaagag agagaaagtc 240
 ggggtgctggg ggcggacaac ggttgagaag aggtagctta gataccgagc ttggtcttgc 300
 gccaatgcct tcgcttancc ttgtagcgga ttgtgtttgca gttcggaggc gaaccctctt 360
 caactttgaa catctcatcc cgcactacta acgccagtcg cggaacccga ctgtacagca 420
 aaaatgtctg acaacggcga gatcgaggtc gagaactccg ccctctacga ggtgcttctt 480
 aaggatgttg ttaaggagggt tggcaatgtc aagctcttca acaagtggga ctacgatgtt 540
 gagggtccgc atctctccct gactgactac atttccctgc gaaaccccggt ctacgtcacc 600
 cacaccgctg gcgcatatgc caccaagcga ttccgcaagg ccaactgccc tatcattgag 660
 cgattgacca actctctgat gcaccacggc cgcaacaacg gaaagaagct catggctgtc 720
 cgaattgtcg ccacgccttc gagatcatcc acctcatgac cgaccagaac cccatccagg 780
 tcgctgtcga cgccatcgtc aactgcggtc ccggtgaaga ctctaccgga attggttccg 840
 ccggtaccgt ccgacgacaa gccgttgatg tctctcctct ccgccgagtc aaccaggcca 900
 tctctcttct caccactggt gccgcgagag ccttttttccg caatgtcaag tccattgctg 960
 agtgccctgn ttgaggagct tatcaacgtt gntaagggtt ctagcaactc ttacgctatc 1020
 aagaagaagg atgagttgga gcgtgtggcc aagagcaacc gataaaagggt gcaaagggtg 1080
 atcacgtctg gaagggttggt ctttggcgtg ttccggctta tttcagaatt gcattttgcg 1140
 ttcacggtg ctggggaacgc ggctatggat tttcttaggt ggctacagat tcaataaaaa 1200
 agtcgggctc cctgagaggt aaatgaaatg aactcc 1236

<210> 189
 <211> 818
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 189
 ggagttcgag ggcaagaagc ttgtcgacat caccaaggac tttgagctcg aggagaccga 60
 ggaggagaag aaggcccgtg aggaggagga gaaggagtag gagaaccttg ccaagtctct 120
 caagaacgtc ctcggcgaca aggtcgagaa ggttgctgctc tctcacaagc tcggctcctc 180
 tccttgcgct atccgaactg gtcagttcgg ttggtccgcc aacatggagc gtatcatgaa 240
 ggctcaggcc ctccgtgaca cctccatgtc cagctacatg tcctccaaga agactttcga 300
 gatctctccc aagtctgcta tcgtccagga gctcaagaag aagggtgaga acgacngtga 360
 gaatgaccgc actgtcnagt ccactgttca gtcctctctc gagacctctc tccttgctct 420
 tggcttcacc attgaagagc ctgctgggtt cgccgaccgc atccacaagc ttgtccagct 480
 cggcctcaac attgaggagg atgactccgc tctgtctgat gctgatgcta ccgacgccct 540
 gtcgtgccc cgccgggtga cagcgccatg gaggangtcg actaaacgat caatgcattc 600
 taaacgggat accataaaaa gtcaacggan ttgaagggtt tcgggttttta tnancaacaa 660
 ggtctttgtt ttctgggttt tatgcggaact tgnccgattt gaacagcccg ccttatcttg 720
 ccataattct cagttctaga antaggacca ggtgtaactt aagttagctt tatgatcacg 780
 agagagatga agtagatgcy aaaatggaaa tgggtatan 818

<210> 190
 <211> 663
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(663)
 <223> n = A,T,C or G

<400> 190
 ttgctctcc gaccagcgaa ttgcaatcaa cacaacaccg cgacaatggc tgacgaatac 60
 gacgccgagc atgctgccga gctcaagaga aagagagcgt tccgaaagtt ctccctaccga 120
 ggaatcgacc ttgaccagct cctcgacctc tcctccgacc agcttcgcga tgttggtccac 180
 gctcgtgcc gccgcaggat caaccgtggt ctgaagcgcc gcccctatggg tctcatnaag 240
 aagcttcgca nggccaagca ggaggctcag cctaaccgaga agcccgatct cgtcaagacc 300
 cacctccgag acatgattgt cgnccccgag atgatcggtg gcgtcatcgg catctactcc 360
 ggcaaggagt tcaaccagggt cgagatcaag cctgagatgg gtgggtcacta cctgggtgag 420
 ttctctatct catacaagcc cgtcaagcac ggtagaccgc gtatcggtgc cagcgactct 480
 tctcgtttca ttccccctcaa gtaanaagtt tgcgggtcttg ggtgggtttct gcattcacgg 540
 acattttggg cgaaaaggac tggttctggt agatggacta ttaaaacatc tatcaaaatt 600
 actgatgaca atgggtncca tgatagtaca ataaaggaca ttggccgctt gatgacttcc 660
 ttc 663

<210> 191
 <211> 581
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

<400> 191
 aggctagcga ctcaactggg ggactttctg gtgttgagtg gtctgcttgg cccaaggaag 60
 atctcagctt cgccgagggt ttctgtcgccg tcagcaacat cattttttgcc ttcagtttcg 120
 cgatcggtca attctccttc atggacgaga tgcacacccc tactgattac atgaagtcca 180
 tctatgcctc atgcttttate caaatctcta tctacacct gaccggagcc ctttgctacg 240
 cttttatttg acctgctgtg cagtgcgctg ctctgttgtc cgctgggcca cttattttcca 300
 agatcgctt ttggtgtcgt ttgctgttta tcttcatctc cggttcgatc aactcgactg 360
 ttgccctccg atatcttcat ggccgtatgt tcaaggactc gattcttcga tacgtcaata 420
 ccccctatgg ttgggtcagc tggatcactc ttgtcaccat tttcactatc gtcgcatggg 480
 tcattgctga agccattccc atcttctctg acttgccttc tcttgccctg gctctntttg 540
 ngtctgggtt cttcttcttg atcccaaggt gtcattgtgg t 581

<210> 192
 <211> 696
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(696)
 <223> n = A,T,C or G

<400> 192
 tttttttatg tncaatgggt ggactccaat ttgtggatac taaatacaat gataaaacaa 60
 catatgatat cattaaaatc atggnccgga aagaaaccct tcgttatata acgcacataa 120
 ttatgaaacg cttgacttga ctctcatat ccttttttgt tatctttgcc agttctgggt 180
 ccgcttcata gcttcaaagc agggctagaa ggtccagctt gagtaattct cgttggtata 240
 aagcgatgta aggaagtcag catagtcctc gccagtaacc tgaccggaga agtattgagc 300
 agcgagggtg tncctgtttc cnttaggggc agaggcagca agctgatcgg cagtntcttt 360
 gaggagcttc aaagcatagg acttgtcaac acgcttgccg tcagcgggtg tgacgccatg 420
 cttaaccac tgccagagct gactgcgaga gacttcggct gtggcagcat cctccataag 480

gtagttgatg	ggaacacatc	ccactcctcg	gatccaggcc	tccatgtagc	cgagaccaat	540
gttgaggttc	ttcttgatac	cctcttctgt	gatggtgcc	gggacgttca	tggtgagcaa	600
gtcgttctgg	ccgatggtga	catcgtctct	gcgcacgaaa	agctgggttag	gagtaggcat	660
gtgcttgctg	aagatctcgg	tagcganact	ggccnn			696

<210> 193
 <211> 1020
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1020)
 <223> n = A,T,C or G

<400> 193						
cggactttgc	tcttcaaccc	acgagcaact	actaacccga	acgattcaag	atgcctccca	60
aagccggcaa	gaaggctcgt	cccgcctctt	tccctcaggg	taaggctggc	aagaaggctg	120
ccaagaaccc	tctcctcgag	aagcgacccc	gcaacttcgg	tatcggccag	gacatccagc	180
ccaagcgaaa	tgtctctcgc	atggtcaagt	ggcccgagta	tgtccgcctc	cagcgccaga	240
agaagatcct	tcagatgcgc	ctgaagggtc	cccggctctt	tgctcagttc	cagcacgtcc	300
tcgaccgcaa	cactgctgcc	aggctttcaa	gctcctcaac	aagtaccgac	ctgagaccaa	360
ggccgagaag	aaggagcgte	ttcttcagga	ggctaccgcc	gtcaaggagg	gcaagaagaa	420
ggaggatgtc	ttcaagaagc	cctacactgt	caagtaccgg	netcaaccac	gttgttgggc	480
tgattgagaa	caagaanggn	ttctctcgtc	ctcatnccca	acgacgtcga	gccattgag	540
ctcgggtggct	tccttcttct	tctctgcaag	aagangggta	ttccttacnc	cattgtnaag	600
gcaangggcc	gtttnggaac	tgtcgtncac	aaaaagaccg	ttggttgctc	tcgccattac	660
cgagggtccg	tccgaggaca	agacttgagc	ttttcaagtt	ggtttccggt	gtcaaggatg	720
gttaccttga	gaagcacgac	caggcccggc	gacaatgggg	tggtgggtatc	atgggtgcca	780
aggctcagat	gaagatcatc	aagaagcaga	aggctctnga	ggctgctacc	aagatctaag	840
tctaatttgt	ttataccctt	caaatgcatt	gcgaaaatgg	gatcaacggt	gttgacgggt	900
tcacggcatg	gaaaatgaat	gatttttctc	gggttacttt	ttgttcccat	ccccactcgc	960
agtacatga	ggggctggte	acccaacctt	cttaaaaata	gatgatgagc	ttgcttctgg	1020

<210> 194
 <211> 483
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(483)
 <223> n = A,T,C or G

<400> 194						
cagggactgg	aagcttttga	caagctaact	atcgagaaa	ccagaactct	tgatgtcgat	60
gatctcgatg	aagagggttg	gaggatcgcc	agtcttgaaa	agagaattgt	cgaaatcgga	120
aaccttggtg	agggtgctgg	tggcnccgte	acaagggtga	agctcaaggg	tggtaacact	180
gtttttgctt	tgaagggtcat	cactacgaat	ccggatcccc	acgtaaagaa	gcagatcctc	240
cgagagctag	gatttaacaa	ggagtgcgct	tcanaccata	tttgcaagta	ttatggtgca	300
tttgtggacc	catctacggc	caccatctnt	atcgcaatgg	agttctgtga	aggtggctcc	360
ctcgacagtn	tttacaagga	agtaaaacgc	ctgggaggga	aaacgggaaa	aaaagtgtctg	420
ggtaaaattg	ccgagggtgt	tctcgggggt	ctaacaatcct	gcacccccga	cnaatnatto	480
ccg						483

<210> 195
 <211> 593
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 195

cacaacgata	tcgtccagag	tttgacatgg	aacgccagcg	gaagcatgct	cgccaccacc	60
tcgcgagata	agaaaattcg	tgtgtgggat	gtccgacagg	agaagcccgt	ccacgagggc	120
cctggccacg	gtggtgccaa	gaacagtcgc	gctgtctggc	tgggagagca	caaccgtttc	180
gcgacaaccg	gcttctcgcg	tatgagcgaa	cgacaaatag	ctctttggga	gcctggcagg	240
acagagccca	ttggcggatt	caccatgctt	gactccatct	ctggtgtctg	tatgcctttc	300
tgggatgatg	gttcaaactg	cctgtacctt	gctggcaagg	gtgacggtaa	tattcgatac	360
tttgagtacg	agaatgacaa	attcgagttc	ctcagcgagt	acaaagtcgg	gcgaccctca	420
cgcggtatgg	ctttcatgcc	tcgacgaggc	attaacactc	atgagaatga	ggtcatgang	480
gcttacaaga	accgtcaacg	atgcttacat	cgagcccata	ttaattttact	ggcccacgac	540
gtggccgaga	acctttcang	gccgatatct	ttccccctgn	tggtgggaac	caa	593

<210> 196
 <211> 654
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(654)
 <223> n = A,T,C or G

<400> 196

caccatctga	ggattgctta	ggaaggcaat	aatcttattg	tcgaggcatc	atgcagattt	60
tcgtcaagac	cctcacgggg	aagacgatca	cccttgaggt	ggagtcttcc	gacaccattg	120
acaacgtcaa	gtccaagatc	caggacaagg	agggcattec	cccgaccag	cagcgactta	180
tctttgctgg	taagcagctc	gaggatggcc	gcaccctgag	cgactacaac	atccagaagg	240
agtctactct	ccacctgggtc	ctccgcctcc	gtggtgggtg	taagaagcgc	aagaagaagg	300
tctacaccac	ccccaaagaag	atcaagcaca	agcgcaagaa	gaccaagctg	gccgtcctca	360
agtactacaa	ggtcgactct	gatggcaaga	tcgagcgctt	tcgacgcgag	tgccccagcg	420
acacttgctg	tgccgggtgtc	ttcatggctg	ccatgcagga	ccgccagtac	tgtggtcggt	480
gccacctcac	ctacgtcttc	gacaagcagt	aaatgtatca	acacgggatt	gggattgatt	540
gatgacggaa	cggattgggt	gccaaaaatg	ggcgttgaaa	ggctgtagca	caaagcacat	600
ccggtttctg	aaattatgca	ttcacgctta	agaagacaaa	aaacatgata	cctn	654

<210> 197
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 197

gaattctcga	gattggtttc	gaagatgaaa	tgcgacagat	catcaaggct	cttcccaagg	60
aggaccgaca	gactatgctc	ttctccgcca	ctcaaaacaac	caaggctcgag	gatcttgctc	120
gtatctcgct	gcgacctggt	cccctataca	tcaacgttga	cgaggagaag	cagtacagta	180
ctgtggaggg	tctcgagcag	ggctacgttc	tttgcgacgc	cgacaagcga	ttccttctac	240
tcttctcttt	cctcaagcgc	aaccttaaga	agaagatcat	tgtcttcttc	agtagctgcg	300
cttgtgtgaa	ataccatgcc	gaacttctna	actacatcga	cctttctgtc	cttgacctca	360
cgnaagcaga	agcagcagaa	gcgaaccaca	ccttcttcga	atctgtaacg	ctaacagggg	420
accctgatct	gcaactgatg	gccgtcgtgg	tcttgatatt	ccttctgtga	ttggattgtc	480
agttcgaccc	ttcggatgan	cctcgtgact	acattcacen	gtcgtcgaac	cgtcgaggca	540

gcaacacaag gccgtcacta tgttcntnag ccaacgancg ggntcttgcg atntaagggc 600
ctngtgtccc gtancggttg attcccgc 629

<210> 198
<211> 965
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(965)
<223> n = A,T,C or G

<400> 198
aatttttttt tttttttttt ttgaaaactc ggggtgtcatt catcaaggta tcaattttcca 60
tatccctgtc atgaatccct gtcattgagta aaacgccgag cacaatgcag attttttttt 120
gaatccatta ggtcctattg accgatccct taaaagccgt ttttaaagac aatcccttag 180
ttcatctggc ggacgagggc gttgatagcc tcctcgcggg taccaaggct accaccctcg 240
ataaagtgtc tgaaccttgc ggggacggaa acccaccagt aagggttgaa aagcttaaaag 300
ggccagagga aagttgaagg cctgcttnaa gttggggccg acagtgtaga tctcgtggaa 360
tgagatcctc aacacagaca aatgcgggtac ttgccgaggt tctcctcaac aatgaagttg 420
tcggtaagaa cagttcgtg cttgttgacc ttcccgtagc cagcgttgta gatgagctcc 480
ttgacgggtc tcagggttggg gtaaccgtag gcgatccaag gctcgacaac cttgagcatc 540
tcagtgtatg ccttggtgac cttgacgaag acaccgttgt tgatctggag gagacggaga 600
agctggagga tcttgccggg cttggggggc atcttgttga tacccttgat acggacgacg 660
aagatcaggt tggcctcagc agggacgtag gcagagtcct cagacttggc aacgcggtga 720
agacggatct tctcacgctc agcatcgcgg tactcttgaa cgtacttctc agcacgcttg 780
aagatgacct gacgcttctc cttgttggca gtcttcttct tctcaacggc gtcggcgcg 840
tcagcacggg ccttctcctg agacttgccg ttcttgagaa ggggtctcggg gaccaggatc 900
tggtcgttgg taggaacggt agcaaccatt ttgtcggcga cggctgttgg aagagtcggg 960
tagtg 965

<210> 199
<211> 887
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(887)
<223> n = A,T,C or G

<400> 199
gacctttctc ttagtgtcta cttaccctcc tggattctcc catcaacaag gctggcaaac 60
tccagatcta catccatacc gccaaagggcg tcctgattga ggttttctccc tcagtccgca 120
ttccccgaac gttcaagcgt tttgccggtc tcatggtgca gcttctgcac cgctgtcta 180
tccgctccac caactccaac gagaagctgc ttccgctgat tcagaacccc atcactgacc 240
acctgcccgc caactgtcgc aaagttacgc tgagtcttga tgcaccactt gtcaaggttc 300
gtgagtgggt cgaatcttcg aattccaagg acagcatctg cgttttctgt ggtgcgatgg 360
ccaagggatga ggataacttc gccgactctc ttgtggatga gaagatttct atcagcaact 420
tctctctgtc cgccagtgtt gcttgttagca agttctgccg cgtgtctgaa gatgtttggg 480
acattatgta atgtccaccc atcccaagtg gcgtcggcaa gaaaccgaag ctgcgacgaa 540
cgccaagcgc cggctcgccc aacgatgata caacatcgtc gctggganca agacggttcg 600
gtggtaactt ggaatgcctg ggggtgttcgc tgtcncctgt ttttgcaacc aaaacatggg 660
gcgttcaaca tcgggtccaa gacttgaatg ttcgtcttga tgggtctctt caacatgatc 720
cacactttcc tctttgttct ttctttctg ttggctcagc gactgtctc tggttttgcc 780
cttttagcaat taanggccat gttgcccatt tttatcctgg atcggacatg cttaccctta 840
gtcctaccga tctaaccaag gaacatcttg tgaaaatggg caccatc 887

<210> 200

<211> 875
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(875)
 <223> n = A,T,C or G

<400> 200
 actccgctcgt cgtcaatcca cgtagtcgaa ccagccgtca aaatgagcgc ccaggccctt 60
 aacaagatcg ctcccaacag cccctcgagg cagaaccctt ccgagctcga gtcgagcatc 120
 gccagagctc tcttcgacct cgagtcacaac acctccgata tcaaggctcg tctccgacct 180
 ctccagatcg tctctgctcg tgagatcgag gttggccacg gcaagaaggc tattgtcatc 240
 tttgtccccg tcccttccct gcagggttc caccgcgtcc agcagcgtct caccctgtag 300
 ctcgagaaga agttctctga ccgccacgtc ctgatcctcg cttctcgccg catcttgccc 360
 cgccccaagc gatctgcccg ctctcgcaac aaccagaagc agaagcgacc cgttcgcgaa 420
 ctctcaccgc cgtccacgac gccatcctcg aggatctcac ctaccccgtc gagatcgctg 480
 gcaagcgctg ccgcaccaag gaggacggtt ccaagctcct caaggctcatc cttgacanan 540
 aaggancgtg gtggtgttga ntaccgntc gacactactc tgaggctctac cgtcgcttga 600
 caggccgcaa cgtcaacttc gagttccctc agagcggtcc cgtgactac taagtcggtg 660
 cgtctacttc agagatgaat tagtagtacg aggcacaaac aaaataccaa acgtctttac 720
 acatcaattc aagggtctggg agtgctattc tttaaacatg gttggtttgg tcatcaaaaag 780
 gggctcggcg tctttaaaga aagtagcttg ataaatggta caagctgcgt atgatttgac 840
 aagacaacct aaacacttct gtccaaaaaa aaaaa 875

<210> 201
 <211> 639
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 201
 caaggacgcc aagggtcgatt attgtgaagt aatggagttc tgtgctggag gagatctcta 60
 cactctcggt ctctcaagtg ggaagctcga agttcaagaa gccgactgtt tcttcaagca 120
 gatgatgcgt ggtgttgaat atctacatga aatgggctga gcacatcgcg acctcaagcc 180
 cgagaacctg ctgcttacca cccgcggcgc ccttaagatc acagatttcg gcaacggaga 240
 gtgtttccga atggcctggg aaacggacgc gcataatggta tctggcctat gcggttctgc 300
 ccctacattg ccccgaggaa tacactgata aggagttcga cgccagagct gtagacgtat 360
 gggcctgtgg tggtattttc atggcaatgc gaaccggccg tcacctttgg cgactggcta 420
 agaaggatga agatgaattc tatgcccgat accttgaggg ccgccgagac gaggaaaggt 480
 accgncctat cgagctcttt catcgggccc gtgncgcaac ggaatttact cgggtttgat 540
 cctatctact cgccggttga cagtgcctaag tnccttaagtc aaaaatggga cgcgagacaa 600
 ctatgcaagg ctggtgnaaa aggtctgtaa tgacaggaa 639

<210> 202
 <211> 818
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 202

gaat	tttt	ttatagcaat	tgtatcataa	tgtcatcata	catggagatc	60
tgggattgat	atccgaattc	ctcgtcacgc	atcgtgcaca	tcatgatttg	ttogttgaag	120
actttgtgat	ctat	ttttcagacc	cgtctcccat	gatcagatcc	ctaaccgtaa	180
tgtcgatgca	agcaatccga	atagactcca	cgtgtcgaaa	tatgactttg	tttccatcca	240
cgcgctcttc	gcttaagaac	ggggcttctc	cttcttctcc	ttccacagag	caaggagacc	300
gacaccagag	accttgacga	ccttgaatcg	cacaccggga	atatcacctc	tggccttgcc	360
cttgcgaccg	aaaccagcca	ggaggacctc	gtcgttctcg	tccacgaagt	tcaagcaacc	420
gtcattgggg	acgaaggcag	tgaccttctt	tccgttcttg	atgagctgaa	cacggacaca	480
ctttcgata	gcggagttgg	gctgcttggc	ctcgacaccg	accttctcga	ggacgatgcc	540
cttggcgtgt	gaagaaccac	cgaagggaga	ggacttataa	gcggtaccga	gggcacgctt	600
cttgtaggcg	agatcggccc	atttctggtc	ctttcggttt	gttcgcagct	tacgggcggc	660
gttaagacca	cggggtttgc	ctccagccat	ttttgcggat	ctgtctgtgg	atcgacgacg	720
ggttggtgca	aggtaagcct	tgctggaaat	cgtcagaaac	tacgtattnt	ccaccgatgt	780
tgccgtccgc	gttgagnttc	cgacccatga	acttcccg			818

<210> 203
 <211> 628
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

cgaaaaacac	tttaaagaaa	ccaagatat	catcactctc	aaacctgtac	ggctctctcc	60
tgctagcagc	catggagcct	ttcagcggta	gttttgtcca	ggcctgattt	gggacacact	120
cttcaggtca	ccaaacatgt	ctccccctgc	tgccatctcc	cccacttccc	gctctgctga	180
gcttgctacc	tctaccacca	agctccctgt	ccacgcgggc	aagaacgtta	acaccaagac	240
cattgaggaa	atgctcggta	actgggatga	cttcaagttc	gctcccatcc	gaaagagtca	300
ggtctctcgt	gccatgactc	gacgctactt	ccaggacctg	gacagctacg	ccgagtctga	360
cattgtcatc	atcggcgctg	gatcctgcgg	tctgagcgct	gcctacgtct	tgggcaagaa	420
gcgtcccgat	ctcaagaatg	ccatcatcga	ggcttcagtg	tctcctggcg	ggggtgcttg	480
gctcggcgga	caactcttct	ctgccatgaa	catgcncaag	cccgtgatg	ctttcctccg	540
tgagatcngg	gttccctacg	aaggacaaag	gtaattacgt	ggtgggttcaa	cacgctgcct	600
ctttaacctc	tacatcatgn	ccaaggtt				628

<210> 204
 <211> 497
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(497)
 <223> n = A,T,C or G

caagactttg	acaagagcat	cgagcttgac	ccctcaatga	cgcaaagnta	tatcaagcgc	60
gctagcatca	gtntggagct	tggnagacct	gaaaaggccg	aggccgagtn	tgccaaggcc	120
ctcgagcagg	acaagaacga	ccncgatggt	tactaccacc	gtgcccaggc	ccatttcate	180
aaggcgacc	ttgccgatgc	tcagaaggac	taccagaagt	ngatcgacct	cgataaggac	240
ttcatcttct	ctcacatnca	actnggcgtt	acccagtaca	agatgggctc	nattgcctcg	300
tcaatggcta	ctttccgacg	atgcatcaag	aacttcccca	agggtcccga	tgtttacaac	360
tactacggag	agctactcct	agaccaaggc	aacttctccg	aagccgttna	gaaattcgat	420
accgncatgg	agatggagaa	gcagactaag	cccatgttca	tgaacgtcct	gcccattatna	480
acaaggcctt	tggtctt					497

<210> 205

<211> 564
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 205
 ggcacaccta ttcagaatga tctgacggaa tacttctctc tcacaagttt tgogaaccca 60
 gatctgcttg ggacacgctt ggagtttcga aagcgatatg aaattccgat cttgcgaggt 120
 cgagatgcag acgcttcaga agcggatcgc aagaaggggtg acgagtgacac tgcagctota 180
 ctcagcgtgg tcaacaaatt cctgatccgt cgcacaaacg acattctttc caagtatttg 240
 cccgtcaagt atgagcatgt tgtgttctgc aatctcgcac cgtttcagtt tgatctctac 300
 aactacttca tcaaaaagtc tgagatcang ctcttttgcg aagtaaggga agccaacctc 360
 tnaaaccatc aatattctca aaaagctttg caatcatccc gacctgttga atatgtcgga 420
 tgatctacca agctcggaga agtgctatcc catgatactt cctaaagaac acttggtcgt 480
 gatcngaggt caatctggta cctggtaaatt ggccgntga acgcatgctg gtcnctccnc 540
 canaccaaatt aaaaaatgtc tatic 564

<210> 206
 <211> 925
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(925)
 <223> n = A,T,C or G

<400> 206
 ctctctgtct gactccaagg gagctctcgt cgccaaggag ggttcctctt tcaactcctga 60
 gcagatccac aacattgccg ccctcaagat taagcaccag tccctgactg cttttgagca 120
 ccaggacaag ttcacttgga tcgaggggtg ccgcccttgg gtccatgttg gcaagggttga 180
 cattgctctc ccaacgctac tcanaacgag gtcaacaagg aggaaaccca agcccttctg 240
 ggaggctggg gcttttcatc ttgccgangg gtncaacatg ggttgactg ctgatgccat 300
 tgacgtcttt gaggtcacc gcaaggagaa ggggtgcacag gctcttttgg acgcttcaag 360
 naaaggcctt caactgtggg ggtgtcgcgg tttctgggtt ttgagatggc ccaaaacagc 420
 cagegtattc agtgggtccna gaaggagggt gatgaccgcc ttaaggccat catgaaggat 480
 gccttcgtcg ccggccttga naccgccag aagtatgtcg aagccaagga gggcgagctt 540
 cccagcttgg tcgccggtag caacattgct ggcttcatca aggttgctga agccatgcac 600
 aaccaggcg actggtacta ggatggacaa tccgggaaag catgaggcga gagatccgat 660
 actaacagga agaccgttat acccgagctg agctcacatc aagggttattt ggtccttcag 720
 aactctcaca aagtctctgc ttatttctgc atggaatggc gttctctttt gcactatctg 780
 ggcattgcatt ctgtagggcg ttggaggggt tcaagaatgg aacattgtct ttacttttct 840
 tctagataga ctggattgga ttttgcaaat ttgtttactt ttctatagnc ccggtagtac 900
 tcagaataaaa agaagatctt tatic 925

<210> 207
 <211> 1007
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1007)
 <223> n = A,T,C or G

<400> 207

cgataatcaa	tccgacttta	tttccgatac	aaatatctac	taaagttgat	tgactagaat	60
ttatcacata	ccgctaccat	gtcgggtcta	acggaaaatc	tccctgccaa	gctttcaaaa	120
gattgcctcc	ggcaaagtgc	gcgatctttt	cgagcttcct	gacaagaaca	cgcttctctt	180
cgtggcctct	gatcgagtct	cagcctacga	tgctgtttct	aagaacgcaa	ttcccgacaa	240
aggaaagatc	ttgacctctc	tttcggcaca	ctgggtccag	gtcttgacng	agcgcatctc	300
tgactgcgc	acctatttca	ttagcctcga	tgccccgtgag	ggtgttagtg	ctgaggaggc	360
tcagatcntc	aagaacagat	ccatggctcg	caagaagctt	tctgtcatca	agattgaatc	420
catcgtgcga	ngctatctga	ctggctccgc	ttacaaggag	tacnagaaga	acggtactgt	480
tcatggtatc	accgtcgaaa	ctggtatgga	agaagctcaa	aaattcaagc	agcccctggt	540
ggacacctag	caccaaggcc	gatgcnggag	gagcatgacc	agaacatcca	ccccgacgac	600
gcttggaagg	aggtcggcga	ccgcgagact	gcggaccgcg	tcaaggagtt	gtccttgaag	660
atctacgacg	aggcctccaa	gtacgctgaa	nagcacggca	tccttctggc	tgacaccaag	720
tttgagtttg	ccaaggatca	agagggcaac	atctacctcg	tcgatgaagt	actaacacct	780
gactcttntc	nattctggcc	agcagccggc	tacatgcctg	gccgtgacca	ggacagcttc	840
gacaagcagt	tcattccgaa	ctggctcacc	aaggaaggac	tcaagggcaa	ggagggtgtc	900
nagctttccc	aggatattgc	ccagctcatc	aaaaccgctc	cgagaggctt	tcttttgtga	960
ccggtaanaa	attcgangac	nccgttagcc	aatnggcggn	agggatt		1007

<210> 208
 <211> 724
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(724)
 <223> n = A,T,C or G

<400> 208						
gtcaagatgc	gtgagattgt	ccacgttcag	gtcggccaat	gtggcaacca	agtcggttcc	60
agcttctggg	ctaccgtctc	caaggagcac	ggcattgatg	gcagcggcgc	ataccacggg	120
accaatgacc	agcagcgtga	gcgtatcaac	gtctactttg	ctgagggtgg	caacgacaag	180
tacgtcccc	gtgctgttct	ggtcgatctt	gagtcgggac	cccaggatgc	catccgcgcc	240
ggtcctcttg	gccagctttt	ccgccccgac	aactacgtcg	ccggtgaggc	cagtgcocgg	300
aaacaactgg	gccaaagggtc	attacaccga	gggtgccgag	ctcgttgagg	aggccatcga	360
cgttggtccg	cgcgagggtcg	agaactgtga	ccaccttcag	ggcttcagct	gacgcactct	420
tttggttggt	ggtaccgggt	tccggtattg	gtacctttct	ttntgtccaa	gatccgtgan	480
ggagttcctt	gatcgcatga	tgggcacctt	tttcggtcat	gccctcgccc	aagggttccg	540
ataccggttg	tcgaacctta	caacgccact	ttgtttctta	accaagttcg	tcgagaaact	600
ttgacgagac	ttttttgttt	cgaacaacga	nggtttgttc	atatctacga	aggaccctaa	660
gncgccgacc	ttntacgcga	tctaaatact	gattcancgt	atggccgggt	nacanttttc	720
catt						724

<210> 209
 <211> 736
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 209						
tccaattcca	tcttccgcaa	ccgccaagat	gggtttcatt	gaggacgagc	tgaagcagct	60
taaggatgtc	atcagcacca	tcgacacgcg	cattaanaag	ctcgaggcgc	gagccaccgg	120
cggccctgtc	tctaccgagg	agatccgaat	gattctcatc	ggccccctcg	gtgctggaaa	180
gggtactcag	gcccccaaga	tcaaggagcg	cttctcctgc	tgccacctgg	ctactggtga	240
catgctgcga	tctcaagtcg	ctaagaagac	ccctctcggt	gtcgaggcca	agaagatcat	300
ggatgcgggc	ggtctgggtca	gcgacgagat	tatgattggg	atgattaaag	aggagctcaa	360

caacaataag	gagtgccagg	gcggtttcat	tctcgacggt	ttccccgaa	ctgtccccc	420
ggctgaggg	ctcgatgcta	tgctcgcaga	gcgcaagcag	aagctccagc	acgctgtcga	480
gctccagatc	gacgactctc	tgctcgttgc	ccgtattact	ggccgattan	tccatcccgc	540
ttccggcgct	cataccacac	cacctttaac	cctnccaagg	agtncatgaa	ggatgacatt	600
actggggagc	ctcttntcca	gcgaagggac	aacaatgccg	atgctctaaa	gaacccttgc	660
tatcctacca	caagaaacaa	gcttgtgggg	gctataccaa	aaantggtn	tggagggctt	720
accgcgcaaa	accgga					736

<210> 210
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 210						
gccgaccaag	aagaagcctg	acatgggtcc	cgagagcgag	cgcttcctac	gatgttgccg	60
cgacgtcgcg	aatgccctca	ttgaggacca	cgaagcctca	aaggctggcc	gcacaactcg	120
cgacatcaac	ctcaactcgc	tacgaaacaa	gctcgccaag	aagcacaagc	tcatgaacat	180
tccacctttg	accgccatca	tcgcctccat	ccccgagcac	tacaagaagt	acatcctacc	240
aaagcttatt	gccaaagcca	ttaggacgtc	ctcgggtatt	gctgtcgttg	ccgtcatgtg	300
caagcccat	cgatgccctc	atatcgctta	taccggaaac	atctgcgtct	attgccctgg	360
aggacccgac	tccgatttcg	agtacagtac	acagtcatac	accggctaag	aacctacgtc	420
gatgcgagcc	atccgcgcgc	gatacgatcc	attcgagcag	gctcgaggac	gtgttgatca	480
actcaagtcc	tcgggcattc	cgcgacaagg	gcgagtacat	natcatggga	ngaactttta	540
tgtttttttt	gagtcatacc	gagangaatt	nattggccag	cttcacaacg	ctnttcaggg	600
ggtattaaac	tacaatgggc	gacgagncg				629

<210> 211
 <211> 868
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(868)
 <223> n = A,T,C or G

<400> 211						
gagtttttat	ctctcatgcc	gnggggaagt	tgtagtttag	ttggtcttgg	tagatgcccc	60
attattttgct	acttccagat	acatcctatc	ctcttataca	agatttttct	cttctctttc	120
ttcatcttct	aacgatattg	tttttattta	tatacacaat	ggctaccaac	attacctggc	180
acccttctct	atcgcgcaag	gagcgcaacg	agaccgcg	tcagcgcggt	ctcaccatct	240
ggctgaccgg	tctctctgcc	tctggcaagt	ccaccgtcgc	cactgctctc	gagcagcacc	300
ttcttcacct	gggcgtcgcc	gcctaccgtc	tcgatggcga	caacgtccgc	ttcggcctca	360
acaaggatct	tggtcttctc	gaggccgacc	gaaacgaaaa	cattcgtcgc	atctccgagg	420
ttgctaagct	gtttgccgat	tcttccacca	tcgccatcac	ctncttcac	tntcctaccg	480
acagatcgca	aggtcgctcg	tgagctacac	gagcaggcta	ctcaagggtg	tgacgagcct	540
atccctttcg	tcgangtcta	cgtcgatgtg	cccctcgagg	ttgctgagca	gcgcgacccc	600
aagggtctct	acaagaaggc	tcgtgctgg	gaaatcaagg	atttctactg	catctctgct	660
ccttatgagg	agcctgagaa	ggctgagatt	accatcaaga	ctcatgaaaa	ctctgtcgag	720
gagtgtgtag	ctcagatcgt	cgagtggctc	aacgagaagg	gttacctcaa	caagaaataa	780
atatgtaa	gatgattgtg	ttntgcgttt	caacaagata	gataggggat	taatgtcatg	840
tngactacgg	acgtngtcac	atgcaggc				868

<210> 212
 <211> 715

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 212
agcatccatc aacttttcaat cccctcagcg aagaagcacc ctaatccctt ggtcagggcc 60
ccttatttta cgacactccc aaagctatgg ctaccattcg taccgatctt ccaggcccca 120
tcggggataa gaagctggag aagaagccca tcaagttctc caacttgctt ctgggcgctg 180
gtctcaacct ttctgaggtt accacactcg gtcagccttt ggaagtagtc aagaccacta 240
tggcagcgaa cagaggcgac agcatggcta cggctttggg acgcgtatgg gcccggtggtg 300
gtcctctggg cttcttccaa ggcctcatcc cctgggcttg gattgaagcc tccactaagg 360
ccgagtttgg tgggtggtatc cttggtggtg tcactggcgg tgctcgccan gcttatgcca 420
ctatgggttt ctgcacctgc atgaagacag tcgagatcac taagcacaag ctcgctgcct 540
ccggtgtcaa gcctcagacc accttccaga ccttcgcaga aatctaccgc aaggaaggta 600
ttcgtggtat caacaagggt gtcaacgccg tcgctatccg ccagatgaac aactggggta 660
gccgtttcgg tctcagccgt cttgccgaag gttggattaa gtccttaccg gttaa 715

<210> 213
<211> 714
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(714)
<223> n = A,T,C or G

<400> 213
ctttatccct atacaatcaa gttgccactc tcgaggttgc accattcttt gatcattctt 60
tgctgcgcca aggccaggat cgtctcctca acgtaacaac agcatcgttt tctccgacga 120
cctatatctc ttagctttga cagctgtcac atacaccgtc cctgcaagag acaccgaaaa 180
agaccacaca accgcaaaca tggcgcaggc tgggtggctc tacaacaacc ccttgaagaa 240
gttcaagctg gtgtttctag gagagcagag tgttggcaag acctctttga tcacacgatt 300
catgtacgac tctttcgaca acatgtacca agcgacgatt ggcattgatt tcctctccaa 360
gaccatgtat ctcgaggacc gaacagtgcg attgcagcta tgggataccg ctggacaaga 420
acgattccga agtctgattc cctcctatat ccgtgattca agcgtggccg ttgttgtcta 480
tgatatctct aacgccaaagt cgttccaaaa caccaagaaa tggattgatg atgtncganc 540
cgaacgaggt aacgatgtta ttattgtgtt nggttgggcn acaagacggg tttgaacgac 600
aagcgagaag tcncttcccc agcaggggga ggaagaagcc cagaagaacc acctgatgtt 660
tgctcgagaca agcgcaaagc tgggtcacaa cnttgaagaa cctattcaag aaaa 714

<210> 214
<211> 687
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(687)
<223> n = A,T,C or G

<400> 214
cgcccaacgt cctaacagtc caataccgcc aaaatgggtc gcgttcgtac caagaccgtc 60
aagaagtccg ccaaggtcat cattgagcgt tactatccta agtcaccctt ggacttcgag 120
accaacaagc gtatctgtga tgagatcgct atcatcgctt ccaagcgtct ccgcaacaag 180

attgccggtt	acaccacca	cttgatgaag	cgaattcagc	gtggccccgt	ccgtgggtatc	240
tccttcaagc	ttcaggagga	ggagcgtgag	cgaaggatc	aagtacgttc	ctgaggtctc	300
cgctctggac	ttcaccaga	actccgagag	cggccagctc	gacgtcgaca	ccgagaccaa	360
ggacctcctc	aagcaccttg	gcttcgagtc	cattcccgtc	aacgtcatcc	ccgtcactca	420
gcagcagatt	cccagagcgtg	gacagcgata	cggaaaccgg	ccccgccgcg	actaaaaatt	480
tggtttatgg	gattattatg	ggtgtcaggc	atttgcaggg	tttctactat	tggcgtcttt	540
aggacagtga	gtgcataggt	ctcaaagaaa	gactttacga	ccccccaaa	aagggtcgcc	600
anttttngag	gantcactgt	gacctgacn	caatttttcc	ttttnnngaa	tgaacttgcn	660
aaggcagttc	cnaanagga	ttgactg				687

<210> 215

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 215

cttaattctg	tacctgtacc	aaaaccagca	gtttgcagcc	atcgagacct	atgttcagca	60
ggtcaacccc	ggccgagctc	ccgaggttgt	tggcggtctt	ttggatgttg	actgcgacga	120
gaacgtcatc	aagcagcttc	tgagctcggg	caacccccag	agtatcaaca	ttgactcact	180
agtatcgga	gtcgagtctc	gcaaccgcct	caagcttctt	ttgcctttcc	ttgaggccac	240
tctccagggt	ggcaaccagc	agcaagctgt	ttacaacgct	cttgccaaga	tttacattga	300
ctccaacaac	aaccctgaga	agttccttaa	gggagaacga	ccagtacgac	acccttactg	360
ttggaaagta	ctgtgaaaag	cgtgacccca	acttggettta	tatcgcttac	tctaagggtc	420
agaatgatct	ggagcttgct	aacatcacca	atgagaactc	catgttacag	ggctcaggct	480
cgatacctct	tggagcgatc	cgatgccgan	ctttgggggt	tcgttctgan	cgaaaacaac	540
atcatcgctg	ttctgttgct	gaacaggcca	ccgctacagc	tgtcctgaa		589

<210> 216

<211> 513

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(513)

<223> n = A,T,C or G

<400> 216

ccgacagact	gcccagctctg	cattcgctcga	cgaactcaag	gccgacattg	cccaaaaggc	60
agctgagaac	acaagaatga	agacgctgat	tgacgatctt	caacagcggg	tcaaggctgg	120
cgccaccgcg	cccattggcta	acggcaagac	gatccagcag	cagattgccg	agtttgacgt	180
catgaagaag	agtctcatgc	gcgaccttca	gaaccgatgc	gagcgtgtgg	tagagctcga	240
gatctctctg	gatgagacac	gagagcagta	taacaacggt	ctccgatcgt	caaacaacag	300
ggcgcacaga	agaagatggc	gttcctcgag	aggaacctgg	agcagctgac	ccaagttcaa	360
cgccagctan	tcgagcagaa	ctcanegctc	aagaaaagagn	tgctttcgct	gncgcaagct	420
cattgnccga	atgagcgtat	ccagacctgg	aagcctgctc	aggatagcng	ganaagatgg	480
ttgtgngaac	cacaagttcg	aggtnaacta	ctt			513

<210> 217

<211> 775

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(775)
 <223> n = A,T,C or G

```

<400> 217
cagaagctcc tggacgagcc cgtcttcgct ttctaccttg acggtcagga gggccagagc      60
gaggctactt tcggtggtgt tgacaagtcg aagtacactg gcgacctcga gtacattcct      120
ctccgccgca aggccttactg ggaggtcgac cttgatgcca ttgctttcgg cgacgaggtt      180
gccgagcagg agaacactgg tgccatcctc gacaccggta catctctgaa cgtcctcccc      240
agcgctctcg ctgagctcct gaacaaggag attggtgcca agaagggcta caacggccag      300
tacaccattg agttgcgaac aagggtctct ctctgcccga catcactttc acccttgctg      360
gttccaacta cagccttccc tccaccgact acatcctcga ggtccaaggc agctgtatct      420
ctaccttcca ggtatggact tccctgagcc cgtgggtcct cttgttatcc tcggtgatgc      480
tttctcctga cgatactact ctgtctacga cctcggaag aacgctgtcg gtctggctcg      540
cgccaagtag aaatgaacat ttatgtatga attattcaat agcgcatggg aatacncagc      600
atggacacgg ggttggacaa tggcatggga ctactagtgt gaactgtacg acagaattga      660
gtatgctgta ttgaggaaat tgcttctcag aattgctgct ctataatatg aactttatgg      720
acttttgga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaattcc tgcgg      775
  
```

<210> 218
 <211> 733
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

```

<400> 218
catcaccacc tnaggccctt tcttcccctt acccctnaaa gcgctgcgag cgtagttatt      60
tctctcccca tacttntttc ccncaaactt caaactctcg tcttagcttt ttaagcttca      120
tttatacaag atgaagggcg agattcttca cctccacctg ggccaggctg gtacacagct      180
cggtaactct gcttgggagc tctaccttct ggagcacggt ctcgcccccg acggtcgacc      240
tgaccccaat gctcccgaata ttggtgacct cggttctttc gagaccttct ttaccgagac      300
aaacagcggg aagtatgttc ctcgatctct gttcgtcgat ctcgacctct cgctatcga      360
tgagatccga acaggcgaat accgcaacct tttccacccc gagctgttgg tcaagtggaa      420
aggaggatgc cgccaacaac tacgcccgtg gcactacacc attggcaagg agaaggctga      480
cgaggctcatg gaccgcattc gtcgtgtcgc cgacaactgc agtcttctca gggtttntctg      540
atcttttact ctttcggggg gggtagccgg tcttggtttt gggctcttct cctcgagcgt      600
tttccacttg attatggnaa gaagtcaact tgagttggtt gttaccctgt cccganatga      660
attgcggtgt gaggctanaa gttgctntta ctaaagactt ttggaactcn ctgncttctt      720
ttgttacaag gng      733
  
```

<210> 219
 <211> 1124
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1124)
 <223> n = A,T,C or G

```

<400> 219
gcgagagcgc tacatccagg atacacgtat ccactgctgt ctcttcttca tccagccatc      60
aggccactct ctcaagccca tcgatattgt tgcctgaag aagctttccg acgtcgtcaa      120
cgtggtgect gtcattgcca aggccgacac cctgactgtt gaggaacgcc aggagttcaa      180
ggagcgcata aaggaggagt ttgccttcca caacctcaag atgtaccctt acgacaacga      240
cgagtttgac gacgaggagc gtgctttgaa cggccagatc aagaaccttg ttcccttcgc      300
cgttggttga tccgagaagt cgatcatcgt caacggtaag caggtccgcg gtcgccagaa      360
  
```

cagatggggt	gtcatcaacg	tcgaggacga	gactcactgt	gaattcgtct	acctacgaga	420
cttcctcctc	cgaacccacc	ttcaagacct	tatcgagacc	acctctcaga	tccactacga	480
gaccttccgt	gccaagcaac	tgcttgccct	caaggaaagc	agtgcctcacg	gtggtgctag	540
cagcccgacc	catcagccct	gcccgcgacc	gcgagctcag	ccgaaactcg	caacgaatga	600
cgatgaacgg	ctactaagct	gaatttgtgt	ttgaagttgt	gctggcaatg	gagcgacngc	660
gtctcggggc	agctcgatag	cccgcatctg	ttacgacact	ccacatattt	cacggcctga	720
tgtacagcaa	cccaaaagca	attgcttgcc	acggaagggt	ctcgtagtgg	actctgacca	780
cagtgaaccc	ctgaaggcct	tacatcgttt	cgatgacatc	ggcatgacgag	caaggacgag	840
agcagcattc	ttgggggtatg	aaccagatga	gagatgggga	ctgggtccgtt	gagatccaga	900
tacccgtttc	ctgggttacgt	accttgggga	ctgtctgctg	gtcagtccgt	atcgaagctg	960
tacacgactt	tcttcttttt	ctttcagtgt	tacccccgga	gaactatttg	gccttttttt	1020
atgctttaat	aagaccgatt	acccatact	ctaactctgga	gttagtttcg	ttgcctacat	1080
agtgtatcaa	attcgattgg	agtttctctga	cgtaaaaaaa	aaaa		1124

<210> 220

<211> 492

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(492)

<223> n = A,T,C or G

<400> 220

gttaaggctg	ctattgatgc	ctttggccgc	gtcgacattg	tggtcaacaa	tgctgggtatc	60
cttcgcgaca	aggcattctc	caacatgaac	gacgagctct	gggacctgt	cctgaatgtc	120
cacctncgag	gtacctacaa	ggtcaccaag	gctgcttggc	cttacttctc	taagcagaag	180
tatggccgcg	ttctgaacac	tacctcaacc	agtggatatt	acggcaactt	tggccaggcc	240
aactacgctg	ctgctaaatg	tggtatcctt	ggattctctc	gcgcccttgc	tctcgagggc	300
cacaagttgg	catctatgtc	aacactatcg	cttccaacgc	tggtactgcc	atgaccgcac	360
tatcatgcct	gaaaagatgg	tcaggtcttt	caaagcccga	tacatagccc	ctcttgccct	420
gctctttgta	gtgncaagtg	gcctaacctt	tngcggtttg	tccangtttg	nagcngttgt	480
gccgtnagct	ca					492

<210> 221

<211> 561

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(561)

<223> n = A,T,C or G

<400> 221

catctacgct	gtaattcagg	atgatgctgt	ggccttttgg	ggcttccaga	agttcatgga	60
gcgcatggaa	cgcaacttcc	tacgtgatca	atctgggatg	cgcaaccagc	tcctgacgct	120
tgatcaactc	gtccagttca	tggatcctgt	actctggaac	caccttcaaa	aggccgacag	180
caccaacttc	ttcttcttct	tcagaatgat	tttggtttgg	tacaaacgtg	agtttgaatg	240
gctagatata	ttgcgattat	gggaagggtt	gtggacagac	tacatgagtg	ccaacttcca	300
cctcttcate	gcttttgcaa	ttctaganag	acatcgcgat	gtcatcatgg	agcacctgca	360
gcactttgac	gaagtgtca	agtnatttaa	cgagctgtcc	accacaatcg	atctcgaagc	420
aactctcatc	agggcagaaa	gtctcttcaa	gaaattccaa	aggctcgtcg	atgcagtcga	480
caagaancaa	aacttccctg	ctccccgttt	caatcctaan	aatcttctgg	atctccggaa	540
tcacagggtc	agggccccc	a				561

<210> 222

<211> 570

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(570)

<223> n = A,T,C or G

<400> 222
cattgagctt gctgagaagc acaacgcctt cattggcggc gacgacttca agtctggcca 60
gactaagatg aagtctgccc ttgttgactt cctcatcaac gccggtatca agttgacttc 120
aattgctagc tacaaccatc ttggcaacaa cgacggcaag aacctgagtt cccagaagca 180
gttccgctcc aaggagatct ccaagtctaa cgtcgttgat gacatggtcg aggccaacca 240
cgtccctttac aagaagggcg agcaccgccga tctactgcgtt gtgatcaagt acatgcctgc 300
cgtcgcagac aacaagcgtg cccttgatga gtactacgcc gagattttca tgggtggta 360
ccagaccatt tcgctcttca acatctgtga agactctctc ctgccttctc ccctgatcat 420
tgacttggtc atcattgccg aaatgatgtc tcgtatccag tgggaaggccg tgtcttccga 480
cggcactgct actaccgaat acaaaagttt ccacagtgtc ctgagtgtcc ttagctacat 540
gctcaanggc ccctgacccc cctggcactc 570

<210> 223

<211> 692

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 223
cttttcccgt aagctccctc cccaattcta ccatctccag tcatctcacc acatttctct 60
ttataaccact tcgtccttca actcttctat ctccctgaac tccgtcgccg tctccatcaa 120
cgtctcttct tttccccttt cccatacaca caccgtaatc cacagccatg gaggaagaag 180
ttgctgctct cgtcacgcac aatgggtcgg gtatgtgcaa ggccgggttc gccgggtgatg 240
atgctccccg agctgttttc ccttccattg tcggtcgccc ccgtcaccat ggtatcatga 300
tcgggtatggg tcagaaggac tcgtacgttg gtgatgaggc tcagtccaag cgtgggtattc 360
tcacactgcg ataccccatc gagcacggtg ttgttaccaa ctgggaacgac atgganaaga 420
tttggcacca cactttctac aacgagctgc gtgttgcccc cgaagaacac ccngtcctgc 480
taccgaggct ctatcaacct caantccaac cgtganaaga agaccagat tgttttcaag 540
acctttaacc cccccgtttt ctacgtnttt atcaagcccg ttctgtccct tgtacccttt 600
ccggtcnta ccaccgggtt tcgtttgact tgggaagngc actacntngt ccattanaag 660
gttcnccttn ccccccttgc nggtaanggg tg 692

<210> 224

<211> 548

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(548)

<223> n = A,T,C or G

<400> 224
gctctctgat agactctcca atgatctctg catcgatcat cgcgccctacc tngagaagcc 60
ccgaacaacc gttggctgga agggctctcat caacgatccc gatatcgaca actntttcaa 120
gatcaacaag ggtctccgtg tttcccgcga gctttttggt gacctaacca ctcagggtct 180
cccaattgcc actgagatgc tcgacacatc ttcccctcag ttcccttgccg actgtatctc 240
tggtggcgcc attggtgccc gtaccacoga gtcccagctt caccngagc ttgcctctgg 300
tctttctttc ccgctcggtt tcaanaacgg tacagacggt agccttggtg ttgccattga 360

cgctattggc	gctgctgccg	tcaacaccac	tttatgggtg	tcaccaagca	gggtcttgct	420
gttttaccac	aaccaagggt	aacgagcact	gnttcgtcat	tctccgnggg	ggaaccaagg	480
gtaccaactt	tgacaangag	agcgtccagg	ctggtaaana	aggctcttca	ngaaaaanaa	540
acaaaagg						548

<210> 225
 <211> 889
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(889)
 <223> n = A,T,C or G

<400> 225						
cgacgcccga	cgacgcccga	gggtccaagtc	tcaaccttca	caatggcttc	cagacctacc	60
gtcactattc	tcggcaaaga	tggtgctccc	actggagcta	cccacgccat	tcctgctgtc	120
ttcaccagcc	cgatccgacc	ggacattgtc	cagcagggtc	acaccggcat	ggccaagaac	180
aagcgtcagc	cctactccgt	gagcgagaag	gctggtcacc	agacctctgc	tgagtcttgg	240
ggtaccgggc	gtgctgttgc	tcgtattcct	agggtttctg	gtggcggtag	tcaccgcgct	300
ggtcaagctg	cttcggtaac	atgtgtcggt	ccggtcgtat	gttcgcccct	acaaaaattt	360
ggagaaaagt	gcacgtccga	gtctcggtcg	gacaaaagcg	atacgccgtt	tgctctgcct	420
cgctgccttc	cgcggccggt	cctctgttca	ggcccgtgga	caccagggtc	actccgtccc	480
cgagggttcc	tctggtcac	gacttccgct	ggtttcgagg	ctgctgncat	tgccaaganc	540
tccgctgntn	tcggtcttct	gaaggctggt	gggtccggtg	aagactcaac	aaggtnaaga	600
actccaagaa	cttcgtgctg	gtaagggcaa	cttcgtggcc	gccgccaccg	ccagcgacgt	660
ggcccttttg	tcactactc	cccagagact	atgggaagga	cttattaccg	ctttccgcaa	720
caatcactgg	tgctganact	ggcccgtcac	cggctctaac	ttcttccaat	tggttctggg	780
ggtgaccttg	ggtcaattat	gtttggacct	ccggtgggtt	caagggtttg	anacatctac	840
ggttcnccac	tgaaggttcn	cccacaacgt	naattcccc	tccttcaac		889

<210> 226
 <211> 643
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 226						
cctctaccta	aattccccga	aataaaaaacc	aaaaaccgtc	aaaatgggtca	aggctgtgag	60
cgttctccgc	ggtgactcca	agggtctccg	taccgtcgtc	ttcgaacagg	agtctgagtc	120
tgctcccaact	accatcacct	gggacatcac	cggtaacgac	cccaacgcca	agcgaggatt	180
ccacatccac	accttcgggtg	acaacaccaa	cggctgcact	tccgntggcc	ctcacttcaa	240
ccctcacaac	aagacccacg	gngctncttt	tgacgagacc	cgncatgttg	gtgatctcgg	300
aaacgtcgag	actgacgctc	agggcaatgg	caagggttc	gtcactgact	ttcttatcaa	360
gctgattggc	ccccacagcg	tcattgggcg	aaccgttggt	gtccacgctg	gtactgacga	420
ccttggaag	ggtgacagcg	aggagtctct	caagactggg	aacgctgggtc	cccgacctgc	480
ttgnggtggt	attggtatct	ccaactaagc	agtgccgaac	tgaattgaat	gaaaaaaaaat	540
gccattactc	agttgctttt	tgtttagcaa	aatttcagcc	atgaacaatg	atgtgtctca	600
tgatattoga	tagcaacaat	caatccaatt	naagtgantc	nat		643

<210> 227
 <211> 549
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(549)
 <223> n = A,T,C or G

<400> 227
 gagcaacttn aggcagccaa gcgtgcatct ctgttctntc gtgttgagcc cagccataag 60
 tcccgactgg ttgatctnct tcagtctctt ggcagaagtt gttgccatga ctggtgatgg 120
 tgtcaacgac gctcctgccc tgaagaaggn tgatatcggt gttgccatgg gttctggaac 180
 cgatgtctcc aagctggctg ncgacatggt ccttgctgac agcaactttg ccactatcga 240
 gggttgccatt gaggaagggc gctccattta caacaacacc caacaattca tccgttatnt 300
 catctttttc aataattggg cgaaagtggg ttccatcttt ctcacgggcg ntcttggnat 360
 gcccgaggct ctgggttctg ntcagcttct ctgggtaaac ctagtcactg atgggncttc 420
 ctggcaccgn tttgntcttt aaaccttttg aacacgacat natgaaagcg ttgcccccg 480
 gaaggcgaga tgangngctc atttggnccg ggtgggnntt ttttttcngt attttggtaa 540
 ttnggaaca 549

<210> 228
 <211> 610
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 228
 attattgtta aatatctctg agatattata tgagaccttc actcatctca aagctcagag 60
 ccactccaat cgctgccaaa atgcctgttc accatctcat ggtcggcacc tggacccttc 120
 caggagccat cttcactttt gcttttgatg acgaggctct tactctcaag cttgtcaaga 180
 ggactgagat tcccgaagat gagcctatct catggatgac tttcagtcac gatagaaaag 240
 ccatatatgg cgctgccatg aagaagtggg ccagtttcgc agttgagtcg ccaacctcaa 300
 taactcacca agttttctac ccaatggagc acgaccccaa tgcttctctt gcgacaacca 360
 ataccgcgc catcttcctc ctggcttgca acaagcctcc ttactcagtc tactgcaatc 420
 cattctacga ccacgcgggc cacggngctg ctttcaccac cgacaacacc acaaaagctn 480
 ttaaggagaa cgttcaaaac tacccttacc agcctaacac tgggatncat gggatgggct 540
 ttgaccccgga ggangagtat tttactntgg cganctttgc gccaaaaagn tttggaccat 600
 tggccgnnng 610

<210> 229
 <211> 525
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(525)
 <223> n = A,T,C or G

<400> 229
 ggaatgtcgg tggctcggat atgcanaagc aggagatccg tgaagctgtt gaattgccct 60
 tgacgcactt cgatctttat aagcagatcg gtatcgacct tctcgcgggt gttcttttgt 120
 acgggtcctcc tggtagcggc aagactatgc tggtaaggc cgtcgccaac tcaaccaccg 180
 ccaacttcat ccgagttgtt ggttctgaat tcgtccanaa atacttgggt gaagggcccc 240
 gaatgggtcc agacgttttt cgtatggctc gcgaaaactc acccgccatc atcttcatcg 300
 acnagattga cgccatcgcc accaagcgat tcgatgctca aaccgggtgcc gataganaag 360
 ttcancgtat tttgcttgac tgtcaatcaa atggatggtt tcaccagact gtaatgtcaa 420
 ggtattatgg caccaaccga gccgatactn tggatcctgc cttctccncc cggacgtttt 480
 gaccgaaaaan caatttccn gctgganacc gtgtgagcga cgttt 525

<210> 230
 <211> 620
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 230
 ttggcacatc gcttcgcata tatgacttgg gtatgaggca aatgctccgc aagtctcagg 60
 ccgaagttgc aacacagcag attgtgtctc tcaacacaca aggcagtcga atcattgtag 120
 gcgatgttca gcagggcgct acttacgttg ttataagcc tgcttctaata aagcttattc 180
 catttgcga tgatacaatc gcaaggtgga ccacatgtac aaccatggtg gattatgaat 240
 cagtcgctgg tgggtgacaag ttcggtaata tgtttatcgt acgttgcctt gagaaggcca 300
 gtgaagaggc tgatgaggag caatccggct tgcattctgat caatgcccgga gactatctcc 360
 acggcacacc tcacagagtg agcttaatgt gtcatttcta caccaggac attccgacta 420
 gtatcactaa gacgagcttt gtggttgggtg gacaggaaat ttgctatgg agtggtatca 480
 tgggcacaat cggagttttt attccatttg tcagtcgtga agatgcagac ttttttcaga 540
 acctcgagca acaccttang acagaagatc cccactccgc cggacgaaga tatctcatgt 600
 atcgtggcta ttaagcccct 620

<210> 231
 <211> 595
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(595)
 <223> n = A,T,C or G

<400> 231
 nccaaaaanc nattatcgcc cncctgccc ccatnttttg tttcgaggac aacctcttgc 60
 tgaagctggc tgggtgttact aaccttttca cttccaacaa catgcaagag aagttctacc 120
 ccgttcattc cattgatgtc ggtgctgctc tngagaagat cttcttcgac gacaccactg 180
 gtggacagac cttcgagctt tacggaccca agaagtacag cntggaggaa atttctgtta 240
 tggttgacaa gganattttac aagcagagac gacacgttaa cgtgccaaag gctattctga 300
 agcctgttgc tgagctgctg aacaagggtgc tttgggtggca cactctgtca gctgatgagg 360
 ttganagaga gttcttggac caagtcatcg accccaaggc caagaccttn aaggacctcg 420
 gcatcgagcc tggngacatc atcaacttcc ctaccactat ctgnaaggat tncgaaccag 480
 aactactacg atcttcccct gcgacaaaaa anganaacgg gaaaaaaaaa aatncctccc 540
 ctntctggacn attgnaaana aaangaatcg gnttttgcgn gctatngatg cnnga 595

<210> 232
 <211> 661
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

<400> 232
 attccgtggt gcttctcact ttccaattct ctacacaaatt taaaacgcaa caatggatcc 60
 atgcatggag ctcaagcaga acacgacaat tgctgtgctc ggtgcttctg gtgatctggc 120
 gaaaaanaag acgtatcctg cacttttctg tctttaccga aaccagttcc tccccaagga 180

tgtcaagatt	gtaggatatg	cccgtactaa	gatggaccac	gacgaatata	ttcgacgcac	240
caagtcatac	ataaagaccc	ctacaaagga	gattgagcaa	caacttgaag	acttcgctgg	300
gctttgcacc	tacgtctctg	gtcagtacga	caaggacgaa	tccttccagg	gtctcgagca	360
gcacctccaa	gaagttgagc	aggatcgccc	cgaaaaccac	cgtctgttct	acatggcgct	420
cccccccagt	gtcttcacca	ttgtttctca	gcacctcaag	aagatctgtt	acccaaaaac	480
ggcatcgcg	gtgttctntcn	tcnaaaaccn	ttcgcaagat	cttgccaagt	cccgcgaaact	540
tcaaaattcc	cttgaccctg	actggaacaa	acaggaactg	ttccaatcca	cattacttgt	600
naganaaagg	tcaaaacacc	ngatcctcca	attggtaccc	ttccccgcgc	cccttgaaac	660
g						661

<210> 233
 <211> 845
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(845)
 <223> n = A,T,C or G

<400> 233						
cccctacctc	gacctactgc	tatcgattgc	ttaataccta	taccaacctc	ttcttttttt	60
ggttctgtcc	ctgaaaaacc	tcccaaccca	aacacgttcc	tattcaactt	caacaagagc	120
ttaccccgcc	aaatccgaac	cccgcctaat	cagacatacc	tcacccaaat	ggtcggtctt	180
ggctctcgtc	gccctccctc	cogaaaggga	tctatggcgc	atgtcccca	ggacctcgcc	240
gaagagatta	acaagcttga	gaatctcttc	acggtagagc	ccagcaagct	taaggagatc	300
accaatcact	ttgtttctga	actcgccaag	ggctctcagc	ttgagggcgg	tagtatccct	360
atgaacccta	cctgggttat	gtcatacccc	gatggctatg	aaaccggcac	ctacctggcc	420
ctcgatatgg	gcggcaccaa	cctgagagt	tgccaaatca	cactcactga	cgagaagtct	480
gagttcgaca	tcattccagtc	caagtaccgc	atgcccgcgc	agctcaagtc	cggcacctct	540
gaagagctgt	gggaatacat	cgcogaatgt	ctctaccagt	tcctcgagac	acaccacgga	600
gactgcagca	aattgganaa	aatccttntt	gggttcacaa	ttcttgtacc	ccgncnccca	660
aaactacatt	cgacgaaggg	gtattcttca	acgaanggac	caangggcct	tgacatttga	720
cggggctcgan	ggcaaaacat	tgtncccatg	ttcnaggagg	ccttgaangn	tttaggggtt	780
cttttnaact	tgggggtttt	atnaatgatc	ttcccgcccc	attgatggct	tcnctaccc	840
caaan						845

<210> 234
 <211> 615
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 234						
attgggcacg	caaaccacga	gcctctgcca	acttcaacga	caactacagc	caaaatgcct	60
cccaagctcg	accccaatga	gattaagggtg	atccacctcc	gcgccactgg	tggtgagggtt	120
gggtgctctct	ctgctcttgc	tcccaagatc	ggctcctctgg	gtctttctcc	caagaagggtc	180
ggagaagaca	ttgccaaaggc	tactggtgac	tggaaaggct	tgccgcgtaac	tgtcaagctc	240
accatccana	accgtcaggc	tgctgtttcc	gtcgttccca	ctgcttcttc	cctcatcatc	300
aaggccctca	aggaaccccc	cagggaccga	aagaaggaga	agaacatcaa	gcacaacaag	360
tctgtcgccc	tcgacgagat	cattgagatc	gcccgcacca	tgcgatacaa	gtctttcgcc	420
aaggacctct	ctgggtaccgt	cagggagatt	ctcggtagcg	cctacagtgt	tggtgcccag	480
gtcgatggca	agcctcccca	ggctatcatc	gaagctatcc	aaagcggcga	tatcgacatc	540
cccgangagt	aaattcgggtc	tcttacgaaa	cccaatnccn	caaaacaaga	acaatagatc	600
cattgtctga	tggtt					615

<210> 235
 <211> 618
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 235
 aaactgtatt ttgttttatt ttttttagcca gctctttctaa taaaagggtcc cttgcggact 60
 tgttctacca tgagctgagc tcgaagcgac tgatttccca tcttcaaaat gtctgtcatt 120
 ctctgtacag ctggatacga tcatactatt agattctggg aagctttatc gggatatctgt 180
 tcacgaacaa tccagcatcc cgactcccag gtcaatcgcc tttgtatctc ccccgacaag 240
 cggtagccttg ccgcccgttg ccaccacacc gtcaagctct acgatataca atcgacgaac 300
 ccgaaccgcg ttttgacctt cgaggggacac accggcaaca tcacaggcgt agcctttcac 360
 tgcgagggaa aatggatggg tactagttcc gaagatggta ctggtaagat ctgggagacg 420
 aggactggat caattcagcg aagctataac catgggtgcc cagcaaacga tgtcgtaatc 480
 caccccaacc aggggtgagat tatcagttgc gacaggctcg gaagtgtcag agtgtgggat 540
 cttggnccag aacaaatggg cccatgagct cattccaaaa ggaagacgct tcagtctntt 600
 agcgtcaccg tagccagg 618

<210> 236
 <211> 649
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 236
 gagcattacg tctacacgaa tcttgcgact cctcgatcag ttcaccatcc accatctatc 60
 tttccttcaa ctgaaagctt cttctcagct gaatttcggt atttcccctt tcctttaaca 120
 acccttgaaa tctaaatcca ccaactttag tcgccaaaca ccgccaaaat gggtcacgaa 180
 gatgctgtct accttgccaa gctcgctgag caggccgagc gatatgagga gatgggtgag 240
 aacatgaaga ttgtcgccgg tgaggaccga gatctcaccg tcgaggagcg aaaccttctc 300
 tccgttgccct acaagaacgt cattggcgcc cgccgtgctt cctggcgcat agtcacctcc 360
 atcgagcaga aggaggagtc caagggcaac tcttttcagg ttaccctcat caaggagtnc 420
 cgacagaaga tcgaggccga acttgccaag atctgcgaag atatctcgaa gtccttgaac 480
 agcaactgat tccctctgcc aagtctggcg aatccaaggt tttctaccac aagatgaaag 540
 gtgactacca ccggtacctc gccgaattcg ccattggcga ccgccgangg ctttgccgna 600
 agtccttagg ctnagggttc nttagttgcc anatgggttc ttcnccncc 649

<210> 237
 <211> 518
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(518)
 <223> n = A,T,C or G

<400> 237
 tctccacgaa gotttagaga agtccacca ggacactcta cactcgtcca agcagatggg 60
 agctgtcttc tctgacaagg accctnaggt gatggacacg attgagtgtc tcatgcacgg 120
 ctatgtcacg tggcacttgt gcgatcacag gtaccgttga atgagatcta cgaaaaggtc 180

aaaggacaaa	agaccgagga	cgctcagaag	ttctgcaagt	tctatgagca	gggctgctaa	240
cgtcggagcc	gtttcgccct	cggagtgggc	ttatccacct	attgcgcaac	tggcaaacat	300
tcgggtccaag	gatgtgaagg	atgtgaagga	tgtgaaggag	attcagaagc	ctctgctgag	360
ctcaattgag	ctagtggaaat	gaccgacggt	gagatggaag	tatgttttgc	gggtactcgc	420
taggagaata	ctggtcgttt	atcatgatta	caaatagctt	ggttatgttt	ttattagcat	480
ttacagttga	acaaggataa	ttactactga	aaaaaaaa			518

<210> 238
 <211> 799
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(799)
 <223> n = A,T,C or G

<400> 238						
ctcaactcta	cctgccttac	tatctccaac	ctcaactatt	aatcccagca	aagctcacca	60
ccacaacccc	gccccgaata	acgcccttaa	caaaattact	cgggtagctc	aaattcatca	120
tgtttcgaaa	caactacgat	aacgattccg	tcaccttctc	gccccagggc	cggatattcc	180
agatcgagta	tgctgcagag	gcagtgaagc	agggctctgt	tggtgtcggt	attgctagca	240
agactcacgc	cgttctgtgc	gctgtcaagc	gaaatgccga	ggaactctca	tcttaccaga	300
agaaactctt	caccgtcgac	naacatgccg	gtatcgcaat	cgtggcctt	acctccgatg	360
cccgtgttct	ttccaacttc	atgaagcagc	aatgcctagg	ccaccgactc	acctatggcc	420
gtgccatccc	cctccgatcc	ctcgtcgaca	tgattggcga	gaaggcccag	atgaacaccc	480
agatgtncgg	caagcgacca	tacggcgttg	gtctcctggc	ttccggtggt	gaatgagcgt	540
ggtcctcacc	tggtcgagtt	ccagccctca	ggcatgacag	aagagatgct	tttttttgcc	600
atttggcgcc	cgaagccaaa	tgggccgaac	ataccttggg	cgaacattg	attcctttgc	660
cgattgctcg	aaagaagact	gattcagcat	ggctcgaagg	ccttgaaaga	aagtctggtc	720
caggacaagg	actttcagta	ganaacacat	ccgtcggcgt	agtgggcac	aacatagtgg	780
aatggcagga	agaaggctcg					799

<210> 239
 <211> 610
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 239						
ggattctgag	gtcanggctg	agaagcaaaa	cactcggttc	caagatgtcc	acggttgcca	60
tgaagccaag	gaanaactcc	aggaagtcgt	cgagtttttg	aanaaccctg	agaagtttag	120
cgacctcggt	gccaaagcttn	ctaagggcgt	ntccctgggt	ggcccccccg	gtactggtaa	180
gacgcttttt	gctcgagccg	ttgccggnga	agccgggtgt	cctttcttct	acatgtctgg	240
tagcgagttt	gatgagatct	ttgttgggtg	tggtgccaa	cgagtccgcg	agctctttac	300
tgccgcaaaa	acaagtcccc	cgccattgtc	tttatcgatg	aacttgacgc	cattggaggc	360
aagcgtaacc	ctagagatca	agcccacgct	aaacagacac	tgaaccagct	gcttaccgaa	420
tttgacggtg	tttgatcaag	acagcaagat	catttnnatt	ggagccncca	acttgnccaa	480
agatgctgga	taangccctt	actcgtcctg	gacgctttga	tcgacatgtn	aatgttgact	540
tgccccattt	agaggcccaa	tcnccttttt	aaccccatgc	ccagaaaanc	aaagtttctn	600
ccgatgtcca						610

<210> 240
 <211> 639
 <212> DNA
 <213> *Fusarium venenatum*


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<400> 245
cgacgagata atccatcaac gcgatcccca atttctcacg ctcattttcc ctttgccgggt      60
cttctttgat ctacctatcc tcagggtcatt tcttctattc tttatctttc ttctttcaaatt      120
cgataccccc ccaatcccac ccatcatggc acccaaggga aacaagtact cggttatctt      180
gccgacatac aacgagcgcga agaacctccc catcattacc tggttgttga accgcacott      240
cactgagaac aacctcgatt ggggaactcat catcgtcgac gacggatccc ccgatggaac      300
ccaagaagtc gccagcagc tcgtcaagggt ctactctccc cagtcctccc tcaagccccg      360
cgctggtaaa ctccgtctcg gaacggccta cgttcacgggt ctcaagtttg tcaactggcaa      420
ctttgtcatc atcatggacg ccgacttctn ccaccacccc aagttcatcc ccgatatggg      480
cgctcttcan gagaagggca actacgatat cgtcaccggg actcgctatg ctggagatgg      540
aggcgtcttt ngctgggacg tcaagcgaaa gttgtcagcc gtggcgccaa cttgttcgcc      600
gacactgtct gcgggctggc gtgagcganc tgacangcag tttccgctctg tacaagcgtg      660
ctggcctgga gaangctatt gntaccacaa gagagtaagg gttacagggt tccaaaatgg      720
agcttatggg tcgtgccaag gntatnggct gnactggcgc cgagggtcca tttcnttgtc      780
gaacgtttgt accggaaaga agcaacttgg cgganacaaa      820

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<210> 246
<211> 657
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(657)
<223> n = A,T,C or G

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<400> 246
aaagaagaag gatttgggta aaatcgnccc caccgtcgaa tgtcgatgcg gttacagatt      60
ctgctttggc tgcccaaacc cagatcacca accggccccc tgtgatttgg ncaanaaatg      120
gttgaaaaag tgtgccgacg actcaaaaac tgccaaactgg atttcggcca acaccaagga      180
atgcccaaag tgtaactcga ccattganaa aaacggaggc tgcaaccata tgacatgccg      240
aaagtgaag tacgaattct gctggatgtg catgggcctc tggtcgagc atggaactag      300
ttggtacaat tgtaacagat acgaggagaa gagcggctcc gaggtcgtg atgcccaggc      360
aaaatctcga acgtctcttg agcgctatct acactattac aaccgctacg cccaaccatg      420
agcaatcggc caaactcgac agggatatcg ctcanaaaac cgaaaagaag atggnccagc      480
tttcagagtg cttcaggcat gttctggatc gaagtccaat accttaactt ngngtccca      540
ggttntttta acctgncggc aaacccttaa ggggacatat gcctttgnct tntatnttgc      600
cagaacaan ctgncanaaa attttngang gtaaccaaaag gcntgaatgg tgnggat      657

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<210> 247
<211> 476
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

```

```

<400> 247
gatgaatggg acattgccag catttgccat actctgacca accgccgcca tggnnagaag      60
accatcgctt atgctgagag tcatgaccag gcccttgngg ganataaaaac gctcatgatg      120
catctctgtg atgctgagat gtacaccaac atgtcgactc tctcgccctt gactcctgtt      180
gttgatcgcg gtatggccct ccacaanatg atccgtctgg tgacacacng ncttgaggga      240
gagggatatc ttaactttga gggtaacgag ttcggtcacc ctgaatggct cgacttcctt      300
ngagaggggc acaataaact tttttggtno gctcgacnac agcttaacct cacagatgat      360
cctntgctcc aatacaaagt tcctttgacc cttttgaccg ntttgatgaa ccaaaccgan      420
ggccaantnc ggggtgggtgg nttgcnccct agggcgtaca tttactgaa ncatga      476

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<210> 248
 <211> 711
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 248
 tcttttttgac cgtctcacta cctctcaact caacaagcat ttgaccagct atatgaaggg 60
 actaactgct aagggttttcc gtacctacaa cgctctcttc acaatgtcga ctctgtctcaa 120
 caagcttgct agtgaccctc gctctcgcgg tacggctgca nagaaggatga agctgtacaa 180
 cgattgcaac cgtgaagttg ctattctgtg taaccacaag cgaaccgttg gcgcctctca 240
 cgagcaacaa atggccaagc taggtgacag gattaaaggc ctccgatacc agcaatggcg 300
 taccaagatg atgatacttg acattgactc gagctacaan aanaagaagg gcgccgctg 360
 gttcgagaag gatgaggagc tgaatgatga gtggatcaaa gatcaccagc agttcttgct 420
 cgaggaaacag cgcacaaaga tccagaagaa gttcgagaag gacaatgaaa agcgccaggc 480
 tgacaaggag aancccctac ctgagaagga gctccaggac gactcccggc ttgtgaanga 540
 aatggaaccc atnttcatga aggggaacca gaaccacaga agtttggggc tgaaggccaa 600
 gccctnccgt tgacaagttt ttccagggtg ttgacaattc cataacntc agaccctgac 660
 tccnggcccc gatcttatng ttacaggagt ngtctcgccc cccaaatcaa t 711

<210> 249
 <211> 716
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(716)
 <223> n = A,T,C or G

<400> 249
 cagnatcacc acgccaaacc gacaagatgg gccgtcttca cagcaacgga aagggcattt 60
 ctgcctctgc tctcccctac tctcgatcct cccctgcgtg gttgaagacc acccccagagc 120
 aggttgctga gcagatctcc aagctcgccc gtaagggtgc cactccttct cagattggtg 180
 tcattctccg tgactctcac ggtattgccc aggtcaagca cgctactggt aaccgaatcc 240
 tgcgaattct caagtccagc ggtctcgccc ctgagctccc cgaggatttg tacatgctta 300
 tcaagaaggc tgttgctgtc cgaaagcacc ttgagcgcaa ccgcaaggac aaggactcca 360
 agttccgtct cattctcatt gagtcccga ttcaccgtct ggcccgttac tacaagaccg 420
 teggtgtcct cccccccacc tggaagtacg agtccgctac tgccagcacc atcgctcgctt 480
 aagcgaacat aaaaacgacg gctggccaag ttccgatgga agtgatgggt tcccggatca 540
 cggagttagg gacaaattat ggggaaagct tgcatttaga gccatgatgc ttatgcgccc 600
 tatctgggag gaccgacagc gaagtcgacg gctcaataga aagctcttcg atcgctgcaa 660
 aacgcatgta tgcaatgggt aactaaacc cggtgacgat aaaattctta aacctg 716

<210> 250
 <211> 906
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(906)
 <223> n = A,T,C or G

<400> 250
 cagaaattga acccccccat cgctctctaa tcttttaaacy ttgcaaatca taagcagcgt 60

tttcgctatc	tggttttctct	gtggcggtga	gaatcacgaa	gagaacgggt	ttttcgctg	600
gtcttcagtc	tacacttgca	aagcctggtc	aggttatggg	ttangacgca	ttagacagtt	660
gaaaattcgt	ccgaagaagg	cctattaatc	attctgctcg	tc		702

<210> 253
 <211> 849
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(849)
 <223> n = A,T,C or G

<400> 253						60
ctcacatcac	ctctatcttc	tctctcagtt	aacgctgagc	ctgaccttgc	ttctgagact	120
gttcaactct	ccgataacat	aaactcttat	tcagccatgt	ctgttggaat	ctactctctt	180
ccggcggtgc	cgtacgccta	tgatgccctt	gaacctagca	tctctgctca	aatcatggaa	240
cttcaccact	ccaagcatca	ccaagcctat	gtgacaaatc	tcaacgccgc	actcaagaac	300
tacgccaccg	ctacttcgtc	caacgacatc	gccggccaga	tcgccctgca	gtccgccatc	360
aagttcaacg	gcggcggcca	catcaaccac	tccctcttct	gggagaacct	cagtcctctt	420
agctctccag	actccaagcc	cgaaaagcgc	cccacgctcg	gtgctgaaat	ctccaagacg	480
tggggcagca	tcgaggcttt	ccaagagact	ttcaagaaga	ctctgctggg	tctgcagggc	540
agcggctggg	ggtggctggg	caaggacgcc	cagggcttgc	gtgtcgttac	caccaaggac	600
caggaccttg	tcgtgggagg	agaagtgcc	atcttcngng	tcgatatgtg	ggagcatgcc	660
tactatcttg	cagtacctta	atgggaaagg	ctgggttatgt	tgataacatt	tnggaatgtc	720
atcaactggg	angacggccg	aggctcgttt	caccggctcc	cgtgagggat	gctttcaaag	780
gtcctggcgn	agcttcttnt	ttaaaccggag	ttgacatatt	gaanaacgag	tttnnaaggc	840
ccaaccgact	cttnatacca	tagnccatct	catttatattt	gngantggca	nattaaaaac	849
acccaactt						

<210> 254
 <211> 906
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(906)
 <223> n = A,T,C or G

<400> 254						60
ctggaagaat	tcgcggcgca	ggaatttttt	ttgaatagag	cttgatcatg	cattaaattc	120
agcgcaagaa	atTTTTTTT	tccttttctt	aaggacccat	tccgatgcgt	tatgttaacc	180
tcattctgtc	gttaaccatg	agacagttag	aaatccttga	acaccatgcc	aggggccaac	240
actcctttct	tcatcagctt	ttaatgacaa	gcttacttgt	ggagcttgcg	ctggtagaaa	300
gcgagctcct	cacctccag	gatgtaacca	tcgacacggc	cggactgacc	gggtcggctg	360
gaaacaacag	cgtacaatcg	accggcctcg	aactgcttct	cgatggcgct	cttcgacctt	420
gccgcgggca	gacatgcgag	cagcntgctt	tttctcaacg	gcgttggaat	tcttgacctc	480
ctcctcggtc	ttgccctcct	tggcggcctg	ggccttcttg	cgtcttcggc	caagagcctg	540
accgtagtgg	gcctcgtagc	actgtcgga	gggagcggca	tcaacctgga	cgacggcgct	600
cttggttagg	tgttggttcg	gaccaactcg	ttgttggaag	ggtggtaggc	gacggcaatg	660
acacgggtct	tcggggtcag	gccctcgga	ccccaggcga	agttaccgga	gtcgagacgg	720
agggcacggg	acttgtgggt	accacctcgg	gttcggacgg	tgtggatgcg	cttggggcca	780
atacgggtgt	tggcaccctg	gcgaccagcc	tcgaaagcgc	gcttcttctt	gtagtaggca	840
cgcttggcac	cggaggcgga	gcgcttgtgt	cgagagtcac	gcgaaatacc	catgattgcg	900
gtttctgatg	atgttggcgc	tcaccaggca	atcgaattgg	cggatggctg	taggagtga	906
cttttt						

<210> 255

<211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 255
 cctcactcta ccagaaaaac atgtcttccg ctctctctcaa ctcggaacccc gtggccacccc 60
 cacctcgtec tccgtctccc gtccacaact tccgtactct cgcgcgccac gccggcgctc 120
 cacatgaccc cgcacccgga gccgtgatcg agtctatctc attgtccacc acctttgctc 180
 agtccgctgt tggcaaacccc gttggcgagt acgantactc tcgatcttcc aaccctaacc 240
 gtaccaactt cgagactgct gttgctgctc tcgagcatgc caagtacgct ctgcgccttct 300
 cctccggctc cgcaccacc gccaccattc ttcagantct ggctgccggc agccatgtca 360
 tttccgtctc cgatgtctac ggggggtacca ccgttacttc acccangtcg ccaaggccac 420
 ggcgtaagg tcaactttcac accagaaatc gaagtgcana tcgccgaaca catcactccc 480
 gatactcgtc tgatctggat cgaaantcct agcaaccac actgcgcctt gtcgatatcc 540
 gaactgtcgt cactgangcc acaaacatgg tgttcttgtt gttgttgaaa ana 593

<210> 256
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 256
 acttcttaac gctggaaaca acaatcctag tgcctctcct ttcgtcatcg cagcatccaa 60
 cgctggactc aagggatacg actccttcat gaacgtcatc atcctcgttt ccgtcctatc 120
 tatcggcggt tccgtgtgtg acggtggtag ccgaaccttg gtagctttgt cgcagcaggg 180
 ttacgcacct aagatcttct ctttcatcga caagtccgga cgacctcttc ccgtgttgt 240
 ctctatcatc gcaattggtg ccctcggtta tatcagtgtc aatggagaag gcactactgt 300
 tttcatctgg ctacaggccc tttcgggttt ggctgctttg tttacctggg gatctatctg 360
 cctgtgccat attcgcttnc ggccgcctgg aaataccatg gccacacctt cgacgaaatt 420
 cccttcagca tgtctttggc gtttggggat cttggatggn ctcatcatca ttggtatcgt 480
 cctcatcgcg caattctata ccgccatgac caacattgac ggatctcttg ggacnngaga 540
 agggttcttt caagcctacc tggctattgc tgnngggatc tatttatata atcggatcct 600
 cttgnaaccg gaaggctgga ngaanaaaa n 631

<210> 257
 <211> 645
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

<400> 257
 tttgagctta ccggtatccc ccctgcccct cgtgggtgtcc ctcatatcga ggtctctttc 60
 gagctcgacg ccaacgggtat cctcaagggt tctgcccacg acaagggcac tggcaagcag 120
 gagtctatca ctatcaccaa cgacaagggc cgtctcactc ctgaggagat cgagcgcag 180
 gtcgccgagg ctgagaagta cgcgcaggag gataaggcta cccgtgagcg catcgaggcc 240
 cgaaacgccc ttgagaacta cgctttctcc ctcaagaacc aggccaacga tgaggagggt 300

cttgggtggca	agatcgatga	ggaggacaag	gagactatcc	tcgatgctgt	caaggagacc	360
aacgagtggc	tcgatgagca	cggcgctgac	gccaccgccc	aggacttcga	ggagcagaag	420
gagaagctgt	ccaacgctgc	ttacccccatc	acctccaaga	tgtaccaggg	aactgggtgga	480
ctcttggttag	cgagaangga	tgacaacatc	cacgatgaag	ttgtaaacgc	ataaaactgga	540
tgtttgggaa	aagaacataa	ataaaaacat	tctgggtgtt	ggttggagct	tccatgcccc	600
gtatgcaaaa	gtagataaccg	caatgttatg	atgaattttc	agccc		645

<210> 258
 <211> 702
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(702)
 <223> n = A,T,C or G

<400> 258						
cttcgcttct	cttttcacct	cctttttctct	ttcttcaaca	aatcttccca	aagaaagttc	60
ataatatacct	tccttattca	ttttactcca	ccatatcaaa	caatcatggg	cgttcaaact	120
gttgagttca	agcccttcca	ggaccagaag	cccggaaactt	ctgggtcttcg	aaagaagggtc	180
actgtcttcc	aacagcctca	ctacagcgag	tccttcatca	ccagcattct	gctgtccatc	240
cctgaggggtg	ttgaggggtc	caacctcgtc	attgggtggtg	atgggtcgcta	ctacaacccc	300
gaggctatcc	agctcattgc	caagattggc	gccgcatacg	gagtcaagaa	gctcattatc	360
ggccagaacg	gtatcctttc	tactcccgt	gccagccatg	tcattccgtat	ccgcaagggt	420
actggaggta	tcctcctgac	tgccagccac	aaccctggtg	gtcccaagaa	cgacttcggt	480
atcaagtaca	accttgccaa	cggtggccct	gcccccgagt	ccgttaccaa	caagattttac	540
gagtttctcca	agactttgac	ctcatacaag	attgccgaca	ttcccgatgt	cgacatcacc	600
actgntggta	ctcanaccta	cggggacctt	gaggnccgag	ttatcgacag	cactggccac	660
tacgttgcca	ttgcttaagg	acattttcga	ctttgacctg	aa		702

<210> 259
 <211> 567
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 259						
tcgacatcca	ccttttttact	atctacttca	actaccatac	acagcaaaca	tggccgactc	60
acttaccgaa	gagcaagtct	ccgagttcaa	ggaggccttc	tcctgtttg	acaaggatgg	120
cgatgggtcaa	atcaccacca	aggagcttgg	aaccgtcatg	cgctctctcg	gccagaaccc	180
ctccgagtct	gagcttcagg	atatgatcaa	cgaggtcgac	gctgacaata	acggcaccat	240
cgacttccct	gagttcctta	ccatgatggc	gcgcaagatg	aaggacaccg	actctgagga	300
ggagatccgc	gangctttca	aggttttcga	ccgtgacaac	aacggcttca	tttccgctgc	360
cgaactccga	catgtcatga	ctccattggg	gagaagctca	ccgatgacaa	gttgatgana	420
tgatccggga	ggtgacaaga	cgggatggcg	aatcactaca	cattctccan	cttntgatcc	480
naatanaaat	atatcggatc	ctcncacaat	ccnccggtgg	cctcctttgn	ctccentcat	540
acacaatttt	tggctacaag	atgggtgg				567

<210> 260
 <211> 610
 <212> DNA
 <213> Fusarium venenatum

<400> 260						
acctgcggag	gaaaacgggt	gcccacgggt	ccagtcacat	ggtgccacca	tcgtggcatc	60

tttccttggc	tcaaagactg	gcacggtgg	ctacgtcgcg	accgactctg	cacgcaagga	120
aaatcgctct	ctcggttcgc	ggtagcacca	aacattcgca	actggcttac	caacctcgac	180
ttcgaccagg	atgactgcag	cttgaacctc	cggctgtgga	gttgacagga	ggcttccaga	240
gaagcctgga	atgagatctc	ggccgccagc	aaccgccgct	gtcgcaaagg	cccgcaaggc	300
gaacccttcg	ttcaaggctc	tttgccacag	gtcactcggt	ggttggtgct	gtagctaca	360
ctagcagttg	cgaacctgcg	atttggtggt	acgccatttg	acatctacac	cctacggctc	420
acccccgatt	ttgaaacacg	caactcgctg	ccttcatttc	taaccaggct	ggtggagatt	480
tccgcgttta	cgaacgcaa	ggaccccggt	cctcgctctc	cccctctggg	ttttttggat	540
accggcacac	ttccccgaa	ttactggttg	ttctggtttc	ggaagtttac	aaggttttga	600
ctaccctca						610

<210> 261
 <211> 671
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

<400> 261						
ccttcttcta	cgagccgctc	tttttacggc	cattttaaag	accgaattcc	cgcgcgcgac	60
aacactcgaa	atcgaacccc	ccacctcttc	ttgagacccc	gaccgaatac	ctagaatatt	120
cgacaatacc	gccaacatgt	cgtaacaaa	ctgccgtttt	tatgaggaga	agtatccgga	180
gatcgatagc	ttcgtcatgg	tcaatgtcaa	gcagatcgcc	gagatgggtg	cctacgttaa	240
gcttctagag	tacgatgaca	ttgacggcat	gattctgctc	tctgagctgt	ccagaagacg	300
tattcgatct	atccagaaac	tcatccgagt	tggtcgcaac	gaggttgctg	tggtactccg	360
tgtggacaaa	gagaagggtt	acatcgatct	ttccaagcga	cgagtctccc	ccgaggatat	420
cgtcaagtgt	gaggagcgat	acaacaaaga	gtaaagatgg	tccactcaag	tcatgatcca	480
tcttgccaag	gctaccgaga	tccccctcga	gactctatat	caggccattg	cttgggcccc	540
tgaacaagaa	attcggccat	gctctcgacg	cttttaagct	ctccatcacc	nacccttgaa	600
gtcttggaac	gacataacct	tcccgcagcn	ggtactggcc	angagctnaa	gaaatacatt	660
ggnaagcgac	t					671

<210> 262
 <211> 678
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

<400> 262						
nccttaaggt	acttcagctc	ccgctcaatt	cttctttttg	ctcttccctt	cttcatcctc	60
ttttatcttt	cccgctcctta	atcaactctt	ttcctgagtg	actccttttc	tctcgtcacc	120
caacagtcag	acttccccgt	gtctgtctac	ctttagccgt	atcctttacc	ctcactttct	180
cctttcacct	caatctttac	aatggctgcc	aacggtacca	acggcgtcca	cgctgatcct	240
gcgtcatgga	agcattacaa	cgagggtctg	ttcctcttca	ccagtgagtc	ggtcgtgaa	300
ggtcaccccc	acaagatcgc	cgatcaagtt	tccgacgcta	tcctcgatgc	ctgccttcgc	360
gaggaccccc	tctccaaggt	tgcttgcgag	actgccacca	agactgggtat	gatcatggctc	420
ttcgnggaga	tcaaccacca	ggccaagctc	gactaccaga	aggttgctccg	tgacgctatc	480
aaggacatcg	gttacgatga	ctccgccaaag	ggttttgact	acaagacctg	caacttgttc	540
gttgccatcg	agcagcaagt	cccccgatat	tgcccagggt	ctccactacn	aaaaggcttt	600
tgaacaactt	ggtgctgggtg	accanggtat	tattgttcgg	atttccaccg	acnaaacccc	660
tgagcttttn	cccccttan					678

<210> 263

<211> 625
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 263
 ctgggaacct ctatgggttg cgtcgggtccc aagtcggtta tcgagggtcgg tgatggcatg 60
 tccttcctcg acctttccgt tcgacagatc gactaccta accgcacata cgacgtcaat 120
 gtccctttca tctcatgaa ctcgttcaac acaaacgaac gaacactgct gccattatta 180
 agaagtacga gggccacaat gtcgatatcc tcacctttaa ccagtccga taccoccgaa 240
 gtctacaagg actctctctt ccccggtcccc aagggacaac gactctccca ttaacgagtg 300
 gtacccccct ggccacgggt atgttttcga gtctctgtac aactcctggc attctcgaca 360
 agcttcttta tcgaggcatc gagattgttt ttctgtccaa cgttgacaac ctgggcgctg 420
 tcggtcgatc ttccgcattc tccancacat gatggagacn aacgccgaat acatcatgga 480
 attgacaaca agacaagggt atgtccaggg tggtagcatt atcgatacaa ggctcgttcg 540
 cctgctcaaa tcgtcagggt ccaaggactg ttaacaattc aattcctcaa gaattcantt 600
 ctcaacncca caactctggt cactc 625

<210> 264
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 264
 gccgtcaacc tcgctctcaa ggtcctcaag ggtgagcagg gtgttccac tgttctgtcc 60
 gctcccgctt ggggtttcta cgatgtactc tttaagggcc aaaagttcga gttccagcgc 120
 ccctacggaa agctatgtca tggaaaaacg ttctcttcaa ggtctcctac cctgccgagt 180
 tccactctca aaccgcgctc gaggcctctg aaaaaaattc accacctctt caagtctcag 240
 ggcaagtctg ctgccgacat caagtccatc acttgccgaa ctacgaagc ttgcatccga 300
 attatcgaca agcagttcaa gcccatggac aactttgccc accgtgacca ctgcattcag 360
 tacatgtgcg ctactatgct cgttttcggc cgtcttgaag ccaccgacta caccgacggg 420
 ggtgaagctg ctacttctcc tctcgtcgaa tcttcccgtc aaaagatcaa gtgtgttgaa 480
 gatcctcagt acaccaagga ttaccatgaa cccaagctcc gaacctctc caacgctctc 540
 accgtcnaac tcaacnangg tactgtcttc natnaagtcc ctgttgaagg ctc 593

<210> 265
 <211> 558
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 265
 tacacgggtg tcacactggt cgcgtcaaga tgatggcgca gtgganacca gttgccatct 60
 ctggtgtggc gaagcactgg tggctatggt acccctatcg gtgtcatccg cctgcatttc 120
 aagaaaaagt actgatctcc gaaactttga agcatttggc aagtcggacc cttacactcg 180
 aattctgctc tctggtattg aaaaagcagc aactgttacc ttccgaaatg atctgaaccc 240
 tgagtggggc gaagtccat atgtgcccac tcattctgct cgagacagac tcgccttgga 300

agtcattgat	acagaaaagg	ttggaaaaga	ccgcagtctc	ggaatgattg	aactcttcgc	360
tgcggactat	gttgcccaag	atgaaactgg	cgagtatcta	gtccatgaca	agaaacaact	420
ccgggaagac	ggcttcgtct	ccacaacaag	ggcatcgcca	agggtagact	gcattacacg	480
gttgcccttt	acccttgctt	gaatgttgct	gatcctgagg	atgaagaana	agaagagaag	540
gagaaggaag	ggggagcc					558

<210> 266
 <211> 633
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 266						60
cgacctcgtc	acgggtctgga	acaagctccg	agtcgaaggt	gttaccaact	ttgccctcgc	120
tcttggcagc	cagaaccatg	ccgtcgccgt	ctttgttcct	gagcgcaagg	gtcagcccgc	180
tgcgtcaag	gtcttcaacg	ttctctctct	caacaacccc	atctcccaaa	aaaccttttt	240
caaggagac	aagggtcaac	tgaagtggaa	caagcttggc	tccagccttc	tggtcctggc	300
acagactgac	gttgatcgct	caggcaagag	ctactacggc	gagaccacc	tgtatctgct	360
cagtaccaca	ggtgccttcg	atgctcgtgt	gtccctggat	aaggagggcc	ctatccatga	420
tggttcttgg	tcgccaactc	gagagaagtt	ggtgttgnct	atggatacat	gcctgccaaag	480
gncaccatct	ttcaaccacc	gncccggtgc	gactcactcg	ttcccgaatg	gcctcgaaac	540
accatcacat	tctnaccaa	tgggcggttg	gtctnggtgc	angaattcgc	aacctggctg	600
gcagatcgat	tttacgactc	tagaaggatt	tnccaaangg	caccactttt	gagagcggna	633
acccantgt	ctgggnaatg	gagtcnann	agc			

<210> 267
 <211> 520
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = A,T,C or G

<400> 267						60
ctcgaggtcc	ccgacaacga	agtcgatggt	ntgaagcaac	gactaaaaga	cgagtacggc	120
gcacaccctg	tttttatcga	cnatganctt	gcagacanac	attacaacgg	tttctcaaac	180
tcgatcctct	ggcctctatt	ccattaccac	cctggngaga	ncacattcga	cgaatccgna	240
tggtgctgnat	accaggaggt	caaccgnctc	ttcgccaaaa	ctgttatcaa	agatgttcag	300
gacggngacc	ttatttgggt	ccatgactac	catctgatgc	tgcttntca	gatgctnctg	360
gaggaaattg	gcgaatcaaa	gaanaacgtc	aagattgggt	tnnttnttac	acccattccc	420
cancagtga	atntaccgaa	tnntgctgta	caaaagcact	cctnctggct	cttaactgng	480
atctatcggt	tnacacacac	cantccctng	gactttctta	ccagtgtgtc	cgatctngag	520
tgccacacc	caaangngtt	gatggacggc	gttttgtacc			

<210> 268
 <211> 508
 <212> DNA
 <213> *Fusarium venenatum*

<400> 268						60
ctttgggtag	tcattggagtt	tattggaggga	ggcagcctta	cggatgttgt	caccttcaac	120
atcatgtccg	agggtcgat	tgttcagtg	tgctcgtgaga	cacttttggg	tctgcagcac	180
ctgcactcca	agggtgtcat	ccaccgagac	atcaagtctg	acaacattct	gctgtctatg	240
gagggcaaga	tcaactgac	cgatttcgga	ttctgtgcca	ctatcaacga	ggcccagaac	

aagcgaacga	ccatgggtcgg	aacaccatac	tggatggctc	cgaagttgt	cacacgaaaa	300
gagtagcgac	gcaaagttga	tatttgggtc	ttgggtatca	tggcgatcga	aatgatagaa	360
ggcgagccgc	catacctgac	cgaatctcct	ctgctgtgctc	tttgggtgat	tgcgaccaac	420
ggcactcctc	acattaagaa	tgagcaggac	tgctgcccg	tttcaaggac	ttcctctact	480
ttgccctcaa	ggtggacccc	gagaagca				508

<210> 269
 <211> 753
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(753)
 <223> n = A,T,C or G

<400> 269						
gctgggtgaca	tcatccgcaa	ggatgggtcc	cgtgttatac	tcatgaagaa	cccaacctgg	60
cagagtgagc	tttgggggtc	ttgggaaacc	cttcgcttcg	aaccttttgt	tggtcttctc	120
ttccccatgt	tcttctctc	caactgggtt	tacgtctacc	aacagaattc	cgtaaatggc	180
gcctacttca	acaccogaac	aaaggcgctc	aatggcctgc	tgtactgggt	ggctcagatt	240
attgctgcag	tcatctgggg	ttatctcctt	gatatcgaga	gcatacaacg	taccactcgt	300
gccaaggccg	cgtgggttgg	tctctttgtc	ttgacctttg	tcatctgggg	tggcggatac	360
gctttcgaga	agacttacac	tgcgagact	gtcgtccag	attcagattt	tgccccgggt	420
gactggacag	actctgggta	cgctggaccc	atgttctctg	acatctttta	cggtttttac	480
gatgctgctt	ggcaagccac	catttactgg	tttatgggaa	ccttgtccaa	ctctggtcga	540
cgatctgcca	actacgtcgg	cttctacaaa	ggatatccaa	ctgttgggtc	cgccgctcgtc	600
aancatcttg	atgcaaagaa	gatntcgtac	cgatccaggt	tcatcagcaa	ctgggttctt	660
ctttcggtc	tcttgcatgt	ctgctcctgn	catccttctc	aagattaaag	accacgtaag	720
caccgaagaa	gatctcaagg	gcactgatga	aga			753

<210> 270
 <211> 1041
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1041)
 <223> n = A,T,C or G

<400> 270						
ctccatctgc	atgggtcggtg	ctgccgctct	catcggcgctc	ttctatacag	ttggaagcaa	60
ctcttgggat	aagcacgagt	actactatga	gggggcattc	agcctatttg	cttccctcat	120
catctctgtc	atgggtgctg	ctcttctccg	tatcggcaag	atgcagtcta	agtggcgcg	180
caagttagca	aaagctatcg	agtccccaat	caaagctggg	agtaagggtc	ggttcaagca	240
gtttgttgag	agatacgcca	tgtttgtcct	accctttgtt	acagtcctcc	gagagggaat	300
tgaggccggt	gtctttgttg	ctggagtatc	tttctcagct	tcggccaagt	ctattcctct	360
gcctactgtt	gtcgggtctc	tcgccgggtg	ctgtgttggc	tacctcttgt	acaagggtgg	420
tgcgagtacc	aaactccagt	tcttnccttg	tctatccacc	tgccctcttg	accttgggtg	480
tgcaggtctc	ttttctaggg	ctgtatggag	cttcgagaat	ggccaaatgg	aaccaagtat	540
gtcgggtggtg	aagcagacaa	gttcggtaac	gggcctggct	cttacgatat	tgaccaaaag	600
gttggcatgt	taattgttgt	acctctaccg	acaagaattc	agaatggctg	gggcatcttt	660
taacgctatt	ttgggtcggg	acaaattcgg	ctacatatgg	ctctgtcatt	tcttacaact	720
tatactggat	ttgcgtcatg	gctggcttca	ttatcatgcg	cttcaaagag	acacatggta	780
ggatatccatt	cggaaaggca	aaggctcatg	ccaacgctgt	tgatgatacc	cgagagtcac	840
acgacctctt	cttcaaggaa	cgtcccagaa	aagaccacaa	cagcataatc	ggcatgagaa	900
agaagtatgg	gcaacgaccg	ggcttgtcct	gatgggaaac	tctgtacaat	ttcgtccacc	960
tgacaacngc	gttataaggt	tatnctagtc	tacatccatt	ttaacaaagt	ctaataagca	1020
agtcttcggt	atattttgct	c				1041

<210> 271
 <211> 740
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(740)
 <223> n = A,T,C or G

<400> 271
 ttttttcgtga atcctttttt tattcgcgat tgcattctata gcacaacccat ttgcaacgca 60
 acntccgggtg cccgacccntt caggggaaac tttccatttg ccctgatgct tatcacgccg 120
 aaaaaatgcc agaaggtagg atagtcccaa cttaaaactt ggagaacttc ttaacagact 180
 tgccgggttcg gggcaggacg cgcaggacgt tgaagcggac agtcttgctc agaggtcggc 240
 actggccaac ggtaacctga tcaccctcct ggacacggaa agcgggagaa acgtgggcgg 300
 caacggttctt gtgtcgcttc tcgtatcggg agtacttggg gatgaagtgc aggtactcgc 360
 ggcggatgat gatgggttcg tgcattcttg tggaaacgac ggtaccggtc aagatacggc 420
 cacggataga gacgagacca gtgaaggggc acttcttgct aatgtagctg ccctcaatgg 480
 cggctcttggg gggttcggaaa cccagaccga cgtccttgta ccatcgtcgg ccacccttgc 540
 ccggtcgggt ggacttggtc ttggtcttcg agttctggaa gatgtgaggc tgcttctgga 600
 aagcacgctc cgactggacg gtcaactcgg tcgccatctt gaattatcct tctcgggcag 660
 gtaccgtggg gaaatggcgt ataggttgag ctgggagggc gaggttgaga ctgctaaggc 720
 ggacagtagt tttcncctgat 740

<210> 272
 <211> 664
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(664)
 <223> n = A,T,C or G

<400> 272
 gtcgacaatc accacagcc gtcgccatgc ctaccgcgtt gtcgaagacc cgcaagcacc 60
 gcggccacgt ttccgcgggt aaggggacgt tcggaaagca ccgcaagcat cccgggtggtc 120
 gtggtcttgc tgggtggatg caccaccacc gtaccaacat ggacaagtac catcccggtt 180
 acttcggtaa gggtggatg cgatacttcc acaagcagca agcccacttg tggaagcca 240
 tcatcaacct cgacaagctc tgggtctctc ttccccagga gaccctgac gcctacgtca 300
 aggggtgagaa gaaggacacc gtccccgtcc tngacctcct cccntttggt tactccaagg 360
 tcctcggaag gggccgtctc cctgagatcc ctctggctgt ccgcgcccgc tgggtcaacc 420
 gccttttctg aaganaaaat caaacaggcc ggtgggtgct ttganctcgt cncttaaacn 480
 naacatccaa ctgttctgta aatcttgaag antcnggtgg gcttgtntng gaaattctac 540
 aaacggaaaa naaaancttt tccaccccng ngaaaaanaa acctgcgggc cctggaaaaa 600
 aaaaggctct cctnccctcc ggaaaaaang gccanggact aagtcgcnct cgggtttggg 660
 catt 664

<210> 273
 <211> 801
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(801)
 <223> n = A,T,C or G


```
<400> 273
ggtttacaac gagattgccg ctgccttgga ggagaaggac gactacgacg atggcagtta      60
cgggtcccggt ctagtccggtc ttgcctggca cgctagtggc acttacgaca aggagactgg      120
tactgggtggc agtaatggag cgacccatgcg attcgctcct gaatctgacc atgggtgccaa      180
cgccgggtctg gctgctgccc gcaaattcct tgatcctgtn caaggaaaag ttcccttgga      240
tcacctactc tgatctctgg atccttgccg gcggttggtgc aatccaggag atgcaagggtc      300
ccgttatccc ttaccgacct ggccgttccg acccgcatgt ttctgggtgc acccctgatg      360
gtcgtcttcc tgacgcttcc aagcgccaag atcatctccg aggtatcttc ggccgcatgg      420
gcttcaacga tcaagaaatc gttgcaactgt ctggtgcccc cgctcttggc cgatgccacg      480
ccgacccgat ccggctacag tggtccttgg actttctctt ctactgtcat gacaaatgac      540
ttcttccggtc ttcttggtga ggagaagtgg cagtggaga agtggaaacgg gcctgctcag      600
tacgaaggac caagtccacc aagtccttca tgatgcttcc cagcgacatt gctcttattg      660
aggacaagaa nttaagcatt gggtcgagaa ntatgccaaag gacaatgacc tttcttcaag      720
gactttctaa cgtcgtcttc cgactattcg agctcggcgt tccttttgcc cagggcaccg      780
agaaccaacg atggaccttc a                                     801
```

```
<210> 274
<211> 638
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G
```

```
<400> 274
ggcatctaataaagcgactc gggtggggcga ggagatctgg aaaacccgaa tcgataaggt      60
caacgcggag ctgcgtcacct tgacgtacgg aactatcgct gcacagctct gcaaagatta      120
cgaaagcgat tatgcggagg tgaataaaca gctcgacaag atggggtaca acatcggaact      180
gcggttgatc gaagactacc ttgccaagtc caacacccatg aagcgatgcy ccaacttccg      240
ngaacagct gagatgattt ctgcgtgttg gttcaagatc ttcttcaaca tcaactctca      300
agtcctgaat tggacaagcg aaaatgacca gttctcgctg gtgtttgaag agaaccctct      360
ggccgacttt gtcgagcttc ccgacgatgg acgagcgcaa gaccagctnt ggtactccaa      420
cattctatgc ggagtgtac gaggtgcact gganatggtg caaatgcagg ttgaggctca      480
cttttgtcag tgatgtctta cgaggcaccg aaagcncaa gatgaggggt tcgcttattc      540
gatacctcga cnacaaattg cncctgggga tgactgagan ggttaanagg acnccttatt      600
ttccaaccgt gacaccaatt tggcnctttg ccaaaaana                                     638
```

```
<210> 275
<211> 726
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(726)
<223> n = A,T,C or G
```

```
<400> 275
caacgcgtcg actatgtcga ccgcccatag cttccctcga cctccacaac atcaaccatc      60
acctcgaatc tctcatttg aaacaggaca agttctttct gagcttcgct ttctaattta      120
atccgatttc gaacatcaac accacgaatc attcacaatg tcggccggcg catacgatcg      180
acacattacc atctttgctg acaatgggtc ggctttacca agttgagtag gccttcaagg      240
cgatcacagc ggccaacatc atgtctgtcg gtgtgagggg caaggactgt gctgtcgtct      300
tgtcgcagaa gaaggttccc gacaagctta tggaccctga ttctgtcacc cacatcttcc      360
agctctctcc ttcagtttgt tgctgtcatc caggatccat cgccggtacc cgagcttttg      420
ctcaaagagc tcagggcgag gctgccgagt ttcgatacaa gtacggctac gagatgccag      480
ctgatgcctt ggccaagcgt cttgccaaac tcagccaagt ctacactcag cgggcttata      540
tgcgacctta cggcgttgcy accacactga tttcgcttga ctcggaatac ggccccaaact      600
```

cttcaaattgc gaccctgctg gatactacat tggttacaag ggaactgcag ctgtgcccga	660
agcaacagga ggcgctgaaa ccaccttgag aagaagctcc gcaacaagga ccacccgaan	720
ggttct	726

<210> 276
 <211> 579
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 276		
cctgaagagc gattgggagc taatgggtca gctgaaatca aggcgcaccc cttcttccat	60	
gctattgact ggaggaagtt gcttcagcgc aagtagcagc ctacattcaa gcctagtgtg	120	
gccgacgctc tggacacaac caactttgac cccgaattta catctgaagc gcccgaagat	180	
tcttacgctc acggcccat gctgtcacag acgatgcaga atcaattcca aggattcagc	240	
tacaaccgac cgattgctgg acttgagat gctggcggca gtgttaagga cccgtccttt	300	
gttggtagct tgacggataa ccgataaatc ttgccaaaaga cggaaggcag aagttagaca	360	
gcgagcgggc tcgagctctga actggctcga ctcaactcagg caggacgcca gtctttttgc	420	
cagttaaaag agccatgtan ctgggaggcg tgggaaacac tggtcagcca tganaagcac	480	
agcacaaaac aaaataagtc tgggaaaatc tagaggatgc ngatgaaaat gaatgtaaat	540	
aaaaanccta cttttgtttt tggcgtgttn ggagttttg	579	

<210> 277
 <211> 611
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 277		
ccgccgacaa accagccaac cgacacaatg gcccgcggaa tcaagaagca ccagaagcgc	60	
ctcagcgcgc cctcgcaact gctgcttgac aagctgtccg gcacctacgc tcctaagcct	120	
tctgcccgtc ctcacaagct ccgcgactgc atgccctga tcgtgttcat ccgtaaccga	180	
ctcaagtatg ctctcaacta ccgngagacc aaggccatnc tgatgcancg actggtcaag	240	
gtcgacggca aggtccgcac cgattccacc taccctccg gcttnatgga cgcatcacc	300	
atcgagaaga ctggcgagaa cttccgtntt gtctacnaca ccaagggtcn attcaccgtc	360	
caccgaatcc agaacgagga ggccgagtag aagctgggca aggtcaagcg tgtccaactt	420	
ggtcgcggng gaatccatt nttggtcacn cagcatgcac aaacgtgagt tntgtcanac	480	
atnattcagc cgggtggatna actttggncc attcaagtcc cccacaagac angagctttn	540	
tttaacnggt gtntgtncct cccaaaccgc ttggtnacna aaaatttttt acattcgatc	600	
cccgaccctt t	611	

<210> 278
 <211> 405
 <212> DNA
 <213> Fusarium venenatum

<400> 278		
gcccgatattg ccaacaacgg tgccctgccc ccggatctgt ctctcatcat caaggcccgt	60	
cacggtggct gtgactacat cttcagcttg ctactgggtt accccgagga ggctcccgtc	120	
ggtgttcagg tcgcccccg catgaatttc aacccttact tccccggtag cggatcgcgc	180	
atggctcgtg tcttttacga tgggtctcgtc gaggatgagg atggaactcc cgccaccacc	240	
tctcagatgg ccaaggacgt cgtcagattc ctcaactggg ctgccgagcc tgagatggac	300	

gaccgaaagc	gaatgggcat	gaaggttctg	gttggtctctg	cctccctgtg	ggctgtcagt	360
gtctgggtca	agcgatacca	aaagttttgg	ggggggggcc	cccc		405

<210> 279
 <211> 999
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(999)
 <223> n = A,T,C or G

<400> 279						
cttcaactcg	caacagtgat	cggcctctcg	ttgcgcaata	ggtcgtttct	ctattttcct	60
aattgcttcg	cgatcccttg	gcctggcagt	ctctttctgt	aaaagcgccc	gacgcgagcg	120
ccctcattc	ccccgccatg	aacgttttga	agcttcagag	gaagtttcct	caattccaac	180
aaaacgagat	attcaccttg	tccgatgcct	tccagcgact	tgatgttgac	gacaagggat	240
accttgacga	agctaccgcc	atcaaggcca	cgcaacagag	cgagaaccag	ccctacgatg	300
tcgtacgcca	agcgctaaag	gaagtcgagc	tcgattcatc	acgacgtgtt	gagctggaag	360
attatgtcag	cctcgttgcc	aagctccgcg	attcctaacc	tgctcaaaag	cgcatgtcca	420
cagggcctac	ttcatcctaa	gggagtgga	gaggcgctcg	tgacacagcg	accggtggtc	480
atgcctccaa	aggcagctta	agcggcaaga	tccagggtcca	aggctccaat	gccaacatta	540
ctcacactat	caatgaggat	gagcgcactg	agttcaccgc	ccacatcaat	gctgttctgg	600
ctggtgatgc	cgatatcgac	agtcgtctgc	cttccccaca	gatacgttcg	aaatgttcga	660
cgaatgcaag	gatggtctgg	tcctggccaa	actgatcaac	gatagcgttc	ngacaccatc	720
gacgaacgtg	ttcttacata	cctggcagga	aatcaagaac	cttcaatgcg	tttcacatga	780
gcgagacaac	aacatttgta	tntgatnttg	ccaaagnata	ggctgttccg	tcgtcacaat	840
tgtgcgngtg	catattgngg	cagagagcat	ntatcttggn	ntgtttggag	aatttntacg	900
aggcttttgg	naanacgaat	tancncccc	tgggtttccc	ctgnttgtag	gcnaaacttn	960
ggagttttna	atacttcggn	gaatttcntt	ntggttaan			999

<210> 280
 <211> 606
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 280						
ctcgagcagg	ccaagaaggc	tttccccgac	acaacgctgg	tcgtcggcgt	cacaggcgat	60
catgaaacac	acaagcgcaa	gggtttgact	gtcatgtctg	ccgctgagcg	tgccgagacc	120
ctccgtcact	gcaaattgggt	tgatgagggt	atcgaagact	gcccattgggt	cgtcactccc	180
gagttcctcg	acgcgaacaa	gctcgattac	gttgccccag	acnatctccc	ctacgggtgct	240
gacgaaggcg	acgatattta	ccagcccatc	aaggccgctg	gcaagttcct	tgttactcag	300
cgtnacagag	gcgtcagcac	gactggcctc	attacaagaa	tcgtgcgtga	ctacganaag	360
tacattgcta	gacagttcaa	gcgcggtaca	tcccgtcagg	aacttaacgt	cagctgggtg	420
aagaagaacg	aactggacct	caagcgtcnc	gtccaggacc	tgcgagagaa	catcacaaaa	480
caactgggtcc	actactggcc	aagaactcgg	ccgcganctg	aagcngttct	ggcctgtcag	540
ccgtcctcaa	agccctgccc	ggtttaacag	ctcggggtac	ccccgaagga	ctcgttcccc	600
tacgaa						606

<210> 281
 <211> 711
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 281
 cgacttaacc ccccttcca acttttctc gatacacata gaaatcttcg aggatcgccc 60
 gacgagaaaa aaatattcaa gatgtcggac gtagaagaca acacccccga ggctcgccgat 120
 gttgttgagg ttccggcga tgccccaag ggccagatgt ccattctcga tgctctcaag 180
 ggtgtcctga agctctctct catgcacgat ggtcttgctc gtggtctccg tgaggcttcc 240
 aaggtctttg accgtcgcca ggctcacatg tgtgtcctga acgagaactg cgaggaggag 300
 gcctacaaga agcttggtgt cgctctctgc aacgagcaca acatccctct cattcagatc 360
 cccgacggca agcaagctcg gcgagtgggc ccgtctntgc gttctcgacc gtganggtaa 420
 cgctcgcaag gttgtcaact gctcttgctg cgttgttaag gactggggtg aggagtctca 480
 ggagcgatct atcctcctga actacttcca gaccgagcag taaatgtctt aagcggcggt 540
 ggatgtgagg atgattagag gtgcggactt ggtttcatga ccgcttgaca catacgtgct 600
 gtactctagc cacttcgact ggcattctaaa acggttttaa ggccttacgt ctcatggcca 660
 ttgagaggaa taaaaaaat ttgggcatca tccgaaaaaa aaaaanaaaa n 711

<210> 282
 <211> 2409
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(2409)
 <223> n = A,T,C or G

<400> 282
 cgaccccatc tctatcaatt gatccgtata ccacgatcaa ttggggccacc gttggcagag 60
 gctctttctc tacgtcccca atcctcagtc aagatgttgt cgcgagccgc cagaccagct 120
 ctccgagctg ctggtgcagc taatgctcgg gccactgccg tccccagcac cgctgtacc 180
 tatgcgactc tccgtgagat cgaggaccgt ctcaagtcta tccgaaacat cgagaagatc 240
 acaaacacca tgaagattgt cgctccacc aagctcaacc gagctcagcg cgccatgaac 300
 gactcccgca cctacggaca gaccttaac gaggtttacg agtctgccga gaccaaggct 360
 gtcgagaccg aggacaagaa gaagctcatc attgtctgct cttccgataa gggctcttgc 420
 ggtgggtattc actctgggtc gtcccgatac gtccgccgac tctntgccag ggtgagacct 480
 tcgacctcgt ccttattggc gagaaggcca aggctaagct tttccgaacc aacgccaaagg 540
 ntattcagct caccttcgct ggtatcggaa angggtgttc ccacctttgc cgacgccccca 600
 agccattgcc gaccagggtca tccagctccc cactgagtac actgatgtaa agatcctgta 660
 caacaacttc gtcaatgtct agacctacga ggcttctatg attgaggcat tttctgagga 720
 ggctatccag cagtccccca acttctccgc tttcgangtt gacnacgaag ttgacgggtg 780
 caactctcca gccagagtac agtcaagcca agctgcccac ctacatggat agctaccatg 840
 cggatgggtca atgcctctcg agtcgcaacc aagcctgccg acaaaaactgc taaggataac 900
 gcctccagga gaacaagcac agtgatatgn tattcaacaa gaaccagatt cttttcaacc 960
 gattcagcat gagatcgacg gaaagcagct caacacttca gagcttgaga aacagttcaa 1020
 gcacgtctac gaggttgccc agcgtgttcc tgctgttggc gctctcaoct cagagaaccg 1080
 agacatctgg acggaagctc gtgatactct gctcaaggca agcccgaaaa acaaggacgc 1140
 gctcgagggt atcgagtcag cctcattcgt ggtttgcctt gacgacgcat caccgctcac 1200
 tctcgaggag cgtgcccac aatactggca cggcgatggg gccaaaccgt ggtatgacaa 1260
 gcctctgcag ttcacatca acgataacgg cagctcttgg attcattggg ccaacactct 1320
 atgatggacg ggactccac tcatcgctc aacgaattac gttnaacgat cttatctttc 1380
 ggaaacaaag ctgcacttct cttgacccca acattccgct caaacctacc cgaacctcag 1440
 ctogtcaagt ttgagatcac ccangaagtc cagacctctt cttcacaaga tccttcacac 1500
 ccacacacaa aatgtctgct cctgctcttc gtctgggctc taccgcccc aacttccagg 1560
 ccgagaccac aaagggaaac attgacttcc acgacttcat cggcgacagc tgggtcatac 1620
 tcttctccca ccccgaggac ttcactcccg tctgcaccac tgagctcggg gcctttgcca 1680
 agctccagcc cgagttcacc aagcgcaatg tcaagctgat tggctctctc gccaacacca 1740
 tccagtctca cgagggatgg atcaaggaca ttggtgaggt taccggcggt aacgttgagt 1800

tccccatcat	tggcgacaag	gagcgcaagg	tttctctcct	ctacgacatg	atcgaccagc	1860
aggatgctac	caacgttgat	gagaagggca	ttgctttcac	catccgatcc	gtcttcatca	1920
tcgaccccaa	gaagaccatc	cgcaccatct	tcttctaccc	tgccttcacc	ggccgnaacg	1980
ccgncgaggt	cttccgtgtc	atcgacttcc	ttcagaccgg	tgacaagtac	cggatcacca	2040
cacctatcaa	ctgggtccct	ggtgangacg	tcattgtcca	ccccttccgt	caagaacgan	2100
gaggccaaga	ctttgttncc	tgagttccga	tcgtcaagcc	ttaccttga	ttnacccctn	2160
ttgccaagga	gaaggttttc	ccccagtaaa	ttaattatat	tttactacaa	agggacacag	2220
caaaaagcat	gagaanttta	tgataccttg	canatagacc	gaaaaaggat	tgaaagggtc	2280
attgggaagt	tgggattagt	acatttggtg	acacatgatg	gaaagaccag	ttttcccata	2340
tagatcattc	acaacttgag	ccatctgcga	ttgtcttgaa	atgaagaata	aatgaagaaa	2400
tgaaccaan						2409

<210> 283

<211> 614

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(614)

<223> n = A,T,C or G

<400> 283

cgacaacgaa	acattacgac	tcacgacgct	tgaccaaccg	atcgctccgtc	ttcctacaac	60
ttcgaaacaa	ttacctaaaa	aatcggcata	atggagtttg	gtaacgctgg	agtgttgaat	120
gaggatggta	tccatgtaga	tatggatcgt	ctcaagaagg	gagaggtaa	cctgggaaca	180
tcgattatgg	cagttacttt	caaggatgg	gtcattctgg	gtgaggatcc	acgaacaacg	240
accggtgcct	acatcgcaaa	cggagtga	gacaagttga	cgagagtaca	cgacaccatt	300
tggtgctgcc	gatctggctc	agccgccgat	actcaggctg	tcgccgatat	tgttcaatac	360
cagcttgggc	tggtcgccat	gaccaacgga	aaacctccca	tgacacagac	cgtgcggttc	420
aatcttccaa	gaaatttggt	taccccaaca	aggaccgtct	atctgccggg	ctgattattg	480
ctggttgga	tgagcgcaat	cgtggccaat	ctactccatt	cctctgggtg	gttctcttcc	540
caaccaggca	tatgccattg	gtggatccgg	atcgacttac	atctatgggt	tactggtaat	600
cccactngcc	aaag					614

<210> 284

<211> 1036

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1036)

<223> n = A,T,C or G

<400> 284

ccgtgattgt	ccaaaatgcg	gttcagttct	atcacccgga	gttttctggc	gctcggtctc	60
tttgnccgag	ctggtttcaa	ccagggcgcc	atcaaagcct	tcaaccgtcc	tcaccctcgt	120
cattacnacc	agaagcgcgc	acctgtccct	ccaaagccgt	tttttgaaaa	gagagccaag	180
tccaagttct	tgaacaanaa	ttcagaaaag	tttgcantaa	acggatctgc	tattcctgaa	240
gtggatttcg	atgntggaga	gtcttatgct	ggacttttgc	ccatctctca	agaccctgat	300
gaggagaggg	agttattctt	ttggttcttt	cccagtagca	atcccgatgc	tgganaagag	360
gttctgatct	ggttgaacgg	cggcctggat	gtaattcact	tagcggcttt	tgactganaa	420
tggtcctttt	ttgnggcagc	aaggcactct	ttgcttctgt	agccaactca	tacagggtgga	480
ccaacctgac	caacgtcatt	ttggattgaa	cagcctgtcg	gtgtaggcta	cagcccaagg	540
cgagccccac	atcaccaacg	aaagtagaac	tcggccttca	atattattgt	ttgtggcgca	600
cctttttcga	cacctttgat	tttaaagggt	ccacaaccta	catcacccgc	gagtcctatg	660
cgggctacta	tgtcccttac	attgccgacg	ccttcattcac	agctgccgat	gatgactact	720
acaagcttgg	cgtgtgttgc	atcaacgacc	aatcattggc	gatggcacac	ttcagcagca	780
agctgtcatc	ctcccccttca	ttgagtactg	ggagaagttg	ttctacctca	atgagacnac	840

aatgaatgca	ctccgctgga	cacatcagca	ctgtggatcg	acaagtatct	tgagaagtac	900
ggacttcccc	ccgcccgaag	gaaattccgt	cctgccgatc	ctatctggac	caagaatacc	960
ttgtgatatg	ttgantgggg	tacgcgctcc	ttgacaaaac	ctgcttcaca	tctatcaatc	1020
atgatatggc	ctacac					1036

<210> 285
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 285						
catcaagctg	gatctttctca	ttaccgaaaa	cctctttctac	gaccgcaccg	caacaagaat	60
ctttgatctc	aagggttcta	tgcgtaaccg	caagatccaa	tctactgggtg	agcaaaatga	120
ggtccttctt	gacgaaaaaca	tggtcgagta	catctatgag	tcgcctctct	ttgcaagaga	180
acattcaaag	aaactactcc	gtgcttcggt	atggaacgat	acactgttct	tggcaagaca	240
gaacgtgatg	gattactccc	tcatgattgc	tgttgacgag	gctcgtaagg	agcttgtgggt	300
tggtatcatt	gactgcattc	gtacatacac	atgggacaag	aagctcgaaa	gttggatcaa	360
agatcgtgga	tttgcaagggtg	gaggtcgcaa	tcgaccactg	ttacaagtcc	aaggaatata	420
agtctcgttt	ccgagaggct	atggcaagat	catcttgacg	gcgcccact	gctggcattt	480
gttcaacaat	tctcaatatt	ccgcactact	attggcgccc	taggttcnaa	aaagcccga	540
atgctttcgt	tgaagcactt	tnttaaagac	anataagaaa	nggggaaaag	cncccatgga	600
agaaaagggtg	ttncatgccc	ctcatga				627

<210> 286
 <211> 669
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(669)
 <223> n = A,T,C or G

<400> 286						
actcgatcga	ccctgagcaa	ctggaccgcc	aaagttgccc	atcatgtcgc	tcgtctcggg	60
agagaagtcg	aacttccagt	tcattctccg	tcttctcaac	accaatggtg	acggaaagca	120
gaaggttatg	tacgccttga	ccaagatcaa	gggtgtcgggt	cgccgatact	ctaacttggt	180
ctgcaagaag	gccgatgtcg	atctgaacaa	gcgcgctgggt	gagctcacct	ccgaagagct	240
cgagcgaatc	gtcaccatcc	tccagaaccc	caccagtagc	aagatcccta	catggttcat	300
caaccgacag	cgcgatatcg	tcgatggcaa	ggactcccat	attcttgcca	acggtgtcga	360
ctccaagctc	cgtgaggatc	tcgagcgcc	caagaagatc	cgcgctcacc	gtggtctccg	420
acactactgg	ggtctccgtg	tccgtgggtca	gcacaccaag	accaccggtc	gccgtggcag	480
gaccgtcggt	gtctccaana	agaaggggtg	ttaaactatt	tatcggtggt	ggttatgggt	540
ggacaggcgt	gacggctggt	ttctccatct	ttctgggcat	tctgagggat	ttgctttcca	600
gcatatgcag	ctatggctgt	actctagatc	agagtcacga	atcaaaagca	ttcaagtaaa	660
aaaaaaaa						669

<210> 287
 <211> 778
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(778)

<223> n = A,T,C or G

<400> 287

cgcccccttt	aaattgattg	tctctctgtt	ttccatacta	cttcctttct	tcctcgacat	60
tccatttcat	cacataaaat	cgaaataatg	tctaccgttg	gcaagcccat	tacctgtaag	120
gccgctgtcg	cctgggaggc	cggcaagcct	ctcaccattg	aggacattga	ggttgtcctt	180
cccagggccca	acgaggtccg	aattcagatc	tactacactg	gtgtttgcca	cacagatgcc	240
tacacactct	ctggcaagga	ccccgagggg	gcttttccca	ttgtctcgga	cacgaagggt	300
gccggtatcg	ttgaattcat	tggcganggc	gtcaccaacg	tcaagcccgg	cgancacgtc	360
gtcgtctctt	acacccccga	atgtaaggag	tgcaagtttg	naagtccgga	aagacaacct	420
tgcggttaaga	tccgagccac	ccaggcaagg	gtctgatgcc	cgatgcacct	ntcgattcaa	480
gtgcaaggca	aggatctgnt	ttacttcatg	ggcacttcca	ccttttccaa	tacaccgncg	540
tcgccgatat	ctntgncgtt	gccattgagc	acgatgttct	atggaccgaa	cttgntgntc	600
gggtgnggaa	taccnccggt	acgggggtgc	accataaccg	caacggtcag	gttggganaa	660
cgttgccatt	tttggggnntn	gggtgggtcgg	nttttaaattg	tcaagggggc	cgtgttnnaa	720
ggtggnaaaa	tatcgtgtga	tgtaacccnc	aaaaggaagg	ggngaaaatt	nggggnntt	778

<210> 288

<211> 608

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 288

cttgcttact	gtattgtgca	attcctggaa	aaggacgcat	ctctaactga	agatgttgtt	60
attggacttc	ttogttattg	gcccagggtc	aacagcacaa	aagagggtcat	gttcctcaac	120
gaagtcgaag	atatttttga	ggttatggat	cccgcataat	tcnccaaggt	tcaagaacct	180
ctgttccatc	agctggccaa	gtccgtancc	agccctcact	tccagggtggc	cgagcgtgcc	240
ctttatttct	ggaacaatga	gtatttctgt	aaccttgcan	cgataatgtg	gagattattc	300
ttcccacatc	gttngctccc	ctctatgana	actcaaaggg	tnattggaac	agaacaattc	360
atgggatggt	ttataatgcc	atgaanctct	ttatgganac	aaccttcaat	tgtttgacga	420
ctgctcccat	gagtncacgg	aacagcagaa	cagtgccttg	ggccnccaac	ccttcncgag	480
cgtaaatggg	ctgntctgag	tgaaaagcga	accnctaaa	aaaagcaccg	naatgggggtc	540
nttatncccc	tgttaaanac	cctatgcctg	ngtanacaaa	aacaccccc	cccngggaca	600
atttgaag						608

<210> 289

<211> 576

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(576)

<223> n = A,T,C or G

<400> 289

gagtgtgatg	gtgcgctctt	tggagccgtg	agctctccta	ctcaggccgt	caagggttac	60
tcatcaccca	tcgtgcacct	gcgcaagaag	ctcgatctct	acgccaacgt	ccgacctgtc	120
aaaactgtca	tgaccgccgc	taagcctatc	gacatgggtc	ttgtccgcga	gaacaccgag	180
gatctctatg	tcaagcagga	acagaccac	gacactcccg	agggcaagggt	cgctgagggt	240
atcaagcgca	tttccgagaa	gcttcgttcc	gaattgccac	catggctggt	gacattgtct	300
tgcgccgaca	gaagatccga	gatgccgggt	cctccagcat	ccacaagtct	cctctcgcca	360
ccattaccca	caagtccaac	gtcctgtccc	agactgatgg	tctcttcctg	gccacctcca	420
aaagggcctt	gcgcacccca	agttctcctc	cgtctcagtt	gaagancaga	tcgtcgattc	480
catgggtttac	aagctcttcc	gtcagcctga	agantacnat	gtgattgtcg	cccccaacct	540

[illegible]

576

```
<210> 290
<211> 625
<212> DNA
<213> Fusarium venenatum
```

```
<220>  
<221> misc_feature  
<222> (1)...(625)  
<223> n = A,T,C or G
```

<400>	290						
ctcaccctaa	ctctgaatct	ctcgagatac	cccccaatac	cctctaaactt	ttttttacct		60
attctaatact	aatcctgtcg	aggtttcttc	cttctttttca	ggacctcgct	gctgtcgcct		120
tctgttcttt	acattctcgtg	ttctgtctagc	tactcttacc	ccctttgtctc	ttagcacatt		180
cagctttagct	tctcaataacc	ggaatcatga	agggactcat	ctttgtcggt	ggctatggca		240
cccgctctcgg	acctctcacc	ttgagtgttc	ccaagccctt	ggtcgcggtt	gccaacaagc		300
ccatgattgt	gcaccagatt	gaggcgctgg	tcgcagctgg	tgttactgac	atcgtcctcg		360
ctgtcaacta	ccgaccgcgag	gtcatggaga	agttcctggc	agagtatgag	gaaaagttcg		420
gcatcaacat	cgaattctcc	gtcgagactg	agcctctnga	caccggcgga	cccctgaagc		480
ttgccgagcg	tattctcgcc	aaagacgact	cttccttctt	cgctctcaac	tcgatggta		540
tctgcgactt	tcccttcgan	ggatcttctg	gggctttcac	aagaaccacg	gcaatgangg		600
qaccattgnc	ggtaccaang	ncgag					625

```
<210> 291
<211> 733
<212> DNA
<213> Fusarium venenatum
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```
<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G
```

<400>	291						
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gaggtcatcg	ggcgccactt	gcccaccgag	gctgacccta	caccgcctt	ctaccgcatg		120
actatcttctg	cccctaacga	gacggctcgt	aagtcctgat	actggtaact	cttgcgcggt		180
ctcaagaagg	ctcaagaagg	cactgggtgag	atcgctcagc	tcaagtcggt	ccacgagaag		240
caccacctca	aggtaagaa	cttcggtatc	tggatccgat	acgactctcg	ttccggcacg		300
cacaacatgt	acaaggagta	ccgtgagctg	tcccgaacag	atgccgtcga	gtncctttac		360
tccgacatgg	ccgcccgcga	ccgtgctcgc	ttcaggtcca	tccacatcct	ccgcgtcgtc		420
gagattgaga	agaccgagga	catcaagcga	ccttacatcc	gccagctcac	ccagaanaac		480
ctgagcttcc	cctcccccac	cgtgtcacca	aggagaacac	ccagaagctc	ttcagcgcga		540
agcgaccttt	cacttttcgt	taaatgattt	cggtttagag	cttctgcggg			600
tgttaaaccg	gatcatggaa	atatcaactg	acttttctta	ataaaaatgg	cgaaatgaatg		660
aaccccaata	ttctgagcat	acaggatgct	ggccggtgtg	atgcacaatt	gattggggttt		720
ataaaaaaaaa	aaa						733

```
<210> 292
<211> 575
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G
```


<400> 292
gaaacttcaa cggttgacgt tgtgaccggt gtcgatgttc ttgagtatta cgcacatatg 60
gctgctggca gcttccctgg ccagaacacg cgtcttcggt ccgacgcctt tgttctcaca 120
acctatgagc ccctaggtgt ttgcgctggt attggtgctt ggaactatcc catacagatt 180
gctctctgga agtcagcgcc atgcctggcc gccggcaact gcatggtcta caagcccagt 240
gaggtcacac cccttcatgc cgaagcactc gccaaaatct atatcgaggc ggggtgtccct 300
ccaggaagta ttcaacgttg tgtacggtga tggatcgcc gtaggagcac ccctcgtggc 360
ccatagtggg cattgtctaa gtgagcttta ctggtcaagt aagcaccggc agcaagggtg 420
ccagccaagc agtcacagat atgaagggcg ttactatgga nctgggagga aaaaccact 480
cgttatcctg cccgatgccg acgtagaaaa cccggcgaca ccgccatggt cgccaacttc 540
ttctcgaccg gtcaagtgtg caccaacgga accgt 575

<210> 293
<211> 636
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 293
gcagctgcaa tgatcttcgg atgtattgga gctgcctatg gcacagcgaa gtccggcatt 60
ggcattgctg gtgtcgggtac ctttcgacca gatctcatca tgaagtgtct aattccagtc 120
gttatgtccg gtatcatcgc cgtctattcg ctatgcatct ccgtcctcat cgctgaggat 180
ctcgaccctt atcagaacta cagcttggtt tcgggcttta tgcattcttg atgtggtatt 240
gcagtcggca tgactggtct tgccgctggt tactgtatcg gaattggttg cgacactggt 300
gtccgtgcct atatggaaca agtccaggat tttcgtcggc atggtcctga ttcttatttt 360
cggcgaaagt ctcggtctct acggcctcat tgntgccctg attctcaaca ccaagagcaa 420
gggttaaatg agacacgatt cgtatcgtaa tcacacacct attcatataa cttttctcan 480
gaggaaccga cgtgtacgtt gagggagctc tgagctggca tccagatccg ggatnaacca 540
ttggttgtag atcnggcagc gcgtattgga cgtgtacaat atttttcaac gaggtagaan 600
aacaaccgga gaanttgaca gtatctantt tcgaga 636

<210> 294
<211> 804
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(804)
<223> n = A,T,C or G

<400> 294
cgagacccgg cacgacacga catcttcacg aagtaacgcc aactaaccct ttcagacaca 60
atggccaaga tctcgctggt tgcccctggt ggcaagctca agatgaccct ggggtctccct 120
gtcggtgccg tcatgaactg cgcgacaac tccggtgccc gaaacctcta catcattgcc 180
gtcaagggta ttggtgctcg cctgaaccga ttgcccgtcg gtggtgtcgg tgacatggtt 240
atggccaccg tcaagaaggg aaagcctgag ctccgaaaga aggtccaccct cgccgttatc 300
gtccgacagt ccaagccctg gaagcgattc gacggtgtct tctgtactt cgaggacaac 360
gccggtgcta tcgtcaaccct caagggtgag atgaagggtc ccgccattac cgccccctc 420
ggtaaggagg ctgctgagtt gtggccccgt attgccagca actccggtgt cgtcatgtaa 480
ggtgcttgct tgcgaaagga aatcaaggaa agacaaaaag gcctgcggtg cgtggtggtt 540
gggttttctg tccnaatgc natcagatag aacgcggtaa aaaaacatta tcccccttcc 600
caagactctt attctttttt catctgcccg ggtctagggg aaggcgaaaa ggggaatggt 660
ctttttatct actactttta aagtcgctgg attggcccaa ggctcttgca tttcgggtgc 720
ggcgtgtaag gatgattcac ataccaggca ttcacatcaa ggacaaaana aaagtcactt 780
caaaaggatt ctccctggga aaaa 804

Questions are asked about the following:

[illegible][illegible][illegible]

Questions are asked about the following:

[illegible]

Questions are asked about the following:

[illegible]

tccctctcaa	taccaacctt	cccagtagca	ccaaccttcc	cactaccaac	cacctcccaa	660
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ccccattgat	ctcgctgaac	gtgaataccg	ccagcggtac	cgccctgccc	aagctttttc	780
cacagaagac	ccttcttccc	actctcatcc	tcactacca	cctcaagaca	acttcaaagc	840
caacaactac	accgttgaag	gccgaccgcg	tccccaatc	cattcctctg	agaagactga	900
aatcaacaag	tttactgttg	acgaacactc	ctctcgccct	cagtacaacc	acaccgagaa	960
gaccgaattc	aacaactaca	ctgttgacag	ccgatcttcc	cgtcctcaat	acaacacctg	1020
tgagaagact	gagatcaaca	atttcaactgt	tgacgcccgc	tcttcccagc	cacgggtaccg	1080
cgacaccaag	acaactcaag	tcaacagcta	cgcggttgac	aagcccgttt	ctcgtccatc	1140
ttacaagaag	gacgtgagat	ttactgaaca	aaccgctcgaa	gcttcaaagt	ccgacaagtc	1200
caagatgggt	tactacgacg	acgagggttc	tttccgcaac	ggcggcatcc	acaagctcgg	1260
tgacaagtcc	cgcgacattg	agggttgacat	tgcgagagact	tctcgctcctg	ccaatgactg	1320
cgctcccaac	accgtcagca	tcccctgcc	ccacatccgt	ctgggtgatt	tcctcatgct	1380
ccagggccgc	ccctgccagg	tcatccgcat	ctccacctcc	tctgccactg	gccagtaccg	1440
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ccttgcccc	agcgttggtc	ttcagtcocat	gctcgccct	gtcttcaagc	agtaccgtgt	1560
cctcgatatg	caggagggtc	agatcggtgc	catgaccgag	actggcgacg	tcaagcaggg	1620
tctccctgtc	attgaccagt	ccaacctcta	ctctcgccct	cacaacgctt	tcgagtcagg	1680
tcgtggctct	gttcgcgtcc	tcgtcctcaa	cgacggtggc	cgtgagcttg	ccgttgacat	1740
gaaggtcatc	cacggctctc	gcctgtaagc	gtgttcaact	gttttctgaa	ttcggggcagc	1800
cgcttgcaat	gcgacttctt	cccaatgttt	aattgagtga	agggacagca	ctaccagtct	1860
cacctcaact	gtggggagcg	ggtctgggct	gtctctaata	ttacctgtac	aatgtcaagt	1920
ttcatagggg	acctgttggt	tcaagatggg	tcgagttttg	tttgtgtcaa	gattggataa	1980
atgatattgg	ctagctggaa	atactggagt	cttttgtgta	gatgggagag	ttctgtacat	2040
gaactatagt	aattgacaat	tgattccgca	tctcttagaa	aaaaaaaaaa	aaaaaaaaatc	2100
acacctacgg	ccg					2113

<210> 298

<211> 424

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(424)

<223> n = A,T,C or G

<400> 298

caaaacgaac	gaacgaccaa	aaagacagac	cgtcaatatg	aaggttggtc	ttgtgagcgg	60
cgagatcatt	tccggtgttg	gcaaaggcat	tattgccagc	agttctgggtc	ttcttctcaa	120
gactcttggg	cttcgcgtta	cagcgatcaa	aaccgaccct	tacatcaaca	ccgatgctgg	180
tcttctgaac	cctctcgagc	acggcgagtg	cttcgttctc	gatgatggag	gcgagaccga	240
tctcgatctc	ggaaactacg	agcgatacct	cggcatncaa	ttgagccgtg	acagcaacat	300
cactaccggc	aagatctaca	agcaggtcat	tgagaaagag	cgcnaggaga	ttatctgggn	360
aagactgtcc	aagtcgggtc	ttacatnaca	aacgccattc	aggattgatt	ggacctgtcg	420
ccaa						424

<210> 299

<211> 546

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(546)

<223> n = A,T,C or G

<400> 299

agctcatgct	ogtctttgaa	ttcatggatg	gcgatctgaa	gaggtatatg	gacacgcatg	60
gcgagcgcg	tgctcttaaa	ccaaccacca	tcaagtcatt	catgtaccag	ctcctcaagg	120

gtatcgactt	ttgccaccag	aaccgtgttc	tccaccgtga	tctcaagccc	cagaacctgc	180
tgatcaacaa	caaggggtatt	ctgaagcttg	gtgatttcgg	tctcgcccgc	gcctttggta	240
ttcctgtcaa	cacattctca	aacgaagtcg	tcactctctg	gtatcgcgcc	cctgatgtcc	300
tactcggtag	ccgtacatac	aacaccagca	tgcacatctg	gtcagcgggc	tgatcatgg	360
ctgagatgtt	acgggtcggc	cgtattcccn	gaaccaccaa	tgaagaccaa	atcgtcggaa	420
tttccnataa	gggcacacga	cagangnact	ggcccgggnat	taccaattcc	cgagtccaag	480
ccaaacattc	cataggangc	tactaaggag	ctccgggaata	ttttcaaaaa	attggatcca	540
acgggt						546

<210> 300

<211> 540

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(540)

<223> n = A,T,C or G

<400> 300

gccaaggaga	ggttcgaaaa	ggcagccagg	ttccaaggta	gaatcgctga	gcgcttggtc	60
agtgccagtg	atgactttac	catgtacctt	tgggatccct	ctcagagcac	taagcccgtc	120
gcacgtatgt	tgggtcatca	gaagcaantg	aacctatgtc	ctttctctcc	cgatggcact	180
ctcattgcc	gtgcaggctg	ggacaaccac	accaagctct	ggaacgccag	ggatggcaag	240
ttcattaaca	cactccgcgg	tcattgtanct	cctgtgtacc	agtgtgcttt	ctcagcagac	300
tctagacttc	tcgtcacagc	atcaaaggat	acaacactca	aggtatggtc	aatggcatct	360
cacaagctct	ccaatgatct	accgggtcac	caggatnaan	tgtacgcggg	ggactgggca	420
ccggacggca	agaagantcg	cagtgggtgga	aaggacaagg	cggttcgggt	ctggcaaaat	480
tagaatccca	aaatgggtgtt	tgnactcta	aaagtcnaga	tacccttgaa	gtgattcccc	540

<210> 301

<211> 623

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 301

cttcgtctta	agcaaccgaa	ccgttaatca	acgacttcat	ctcccagaaa	ttcagctcgc	60
ctgtcgtttcc	cacgtacact	tcgtatcctt	caacacgacc	tttttcgatt	gatatctgta	120
cogttttcgc	gtcacaatag	tcaagatggg	tagcgaactt	tgcccgggtt	actcgccctt	180
cttcggtgct	atgggctgca	cctgcgccat	tgtcttcacc	tgtctcggtg	cctcttatgg	240
taccgccaag	tctggtgtcg	gtatcgccgc	tatgggtgtc	ctccgccctg	acctgatcgt	300
caagaacatt	gttcccgtca	ttatggctgg	tatcattggg	atctacgggc	tcgtcgtttc	360
agtccttata	tccgatgggc	tcaagcagga	cttgccctctg	ttcaccagct	tcattcagtt	420
cggtgctggg	ctttccgtcg	gtcttctgtg	tctcgctgcc	ggtttcgcca	ttggtattgt	480
cggtgatgct	gggtgttcgaa	gcacttgccc	aacagcctcg	tctcttcctc	ggaaagaatc	540
tgaatctcaa	ttttcgcttg	aaatcctcgg	gctttacggc	ntattgntgc	tttgnatnatg	600
aactccaagg	ccntgtngac	gct				623

<210> 302

<211> 926

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(926)
 <223> n = A,T,C or G

<400> 302
 nncttggttn ttgtgcattg naatcttgag ccttgcaaca acggatgcaa cgggtgtggc 60
 gcaatgagaa attcgcgatg tgggatcaga gtgtcctctt taattttttt ttagtgagtg 120
 gagagganaa ggaaacaagt caanttgact tggatgactc gatttttgctg ataacaagtt 180
 ggaaagcgac accaatcctn agccaagggt gaaattccaa ggcccaaggg ttgcgggctg 240
 ctacttcgtt gccttttatg tgaagaatga tgtagatacc ggtgataggc agtaccsaan 300
 gattanatag agagagaaaa gacttttggg cttttgttct tgtgaaaaag ggagctctnc 360
 tcancnnnat tctaaaaant gacntgcntg tgatcgcaac gccttttttc aaacgcacat 420
 tctacaaccg tcaaaatggg caagaagaga aagaacaacg gccgaaacaa gaagggccgc 480
 ggccacgtca agcccatccg atgcagcaac tgcctgcgat gcacccccaa ggataaggcc 540
 atcaagagat tcaccatccg caacatgggt gagtctgctg ctatccgtga catctccgat 600
 gcctccgtct tcgcggagta caccgtcccc aagatgtacc tgaagctgca gtactgtgtc 660
 tcttgccca ttcacggcaa gattgtccg ttacaacaag gacggcaaga agatcgttcc cactaccct 720
 gcccctcctc ctgcgtccg ttacaacaag gacggcaaga agatcgttcc cactaccct 780
 aagggttaga tgggttgata cttgggatgg agtccggtta tgatagcagc attcaaaaaa 840
 tggatgggat gaataccttt gggattatga gactaagaaa ttccaaaaat caactggacg 900
 acgtttgatg tctacgcgtc tttgac 926

<210> 303
 <211> 634
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 303
 agtaaatega cgataagggt cagttctagg cttcgtgacc cattcatttt gctggattgt 60
 tgttcaattc gagatctata cattcaacgt cctgcaaatt ttcataattca tcatgtctcg 120
 tcccaggat acgcttgccg ccgacgtcca ttatgacgat accgaagcgc gaaagtacac 180
 gacgagttct cgaatccaaa acattcaagc gtccatgaca agaagagcac tagaacttct 240
 ggatctcaag tcaccatctt ttatcctcga tatcgatgc ggtagtggtc tctctggcga 300
 aattctatcc tctgtcgaac cggaggatgg tggctctcac acttggatcg gaatggacct 360
 ttcaccatcc atgctggata ttgcgctcca aagagatgtc gaaggcgatt tgatgttggc 420
 ggatattggc cagggcggtc ccttcggagc aggtccttcg acgcagccat cagtatttctg 480
 gctattcaat ggctctgcag tgccgaaaca agcgatacat nccctgtcgg gccgtcttac 540
 ccgcttcttc aacggactct acgcatctct caagcgtgga ggtcgagncc gtctggcaat 600
 tctaccccaa aaacgacgaa cagggcanca ttga 634

<210> 304
 <211> 474
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 304
 gttgttcccc tgggtgctac cttggttcac aagaacaaca cacaggagac tgggtggatc 60
 tttgagggtg gtgggtggcca catggctaag cttcgatggg agcgtctccag tgggtctctc 120
 ctcaaggctg acgactctta ccccccgga gctatcatca agaactgggg caaggtcgtc 180
 gactactcca accccaata tcccacgggc cccaacgatt tcttcacatt gctcgaggac 240
 tccatgaaga tgggcccctgc tgagcaaggc gagaaccccg acttcactgg ccgcgtcgtc 300

cttgtgacag	gtggtggtgc	tggtattggt	cgcatttatg	ctctggcttt	cgccaagtat	360
ggcgcacaa	tcgtcgtaa	cgatctggcc	gaccttaacc	ccgtgggtgc	cgaaacaaaa	420
aacttggtgg	caaggccgcg	gtgtnaaggc	ctaactgaag	atggcaanaa	ggtc	474

<210> 305
 <211> 593
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 305						
tcgagactct	tggcggtatc	gacctgaacg	ctatgtacaa	aatcaccacc	gctgagcgca	60
tgcttaccaa	ccttgctgtc	gagtacgagc	gtgtcgccga	tccccgtctt	cccgtttgct	120
cccgcaaggc	tggtcacctc	ctcgagacat	gctgcactgt	catggacctc	aagggtgtct	180
ccatcgga	ggttcctcag	gtttacgcct	acgtcaagca	ggcttcctgc	atctcccaga	240
actactacc	cgagcgtctc	ggcaagttgt	atatgatcaa	cgcccccttg	ggtttctcca	300
ctgtctggag	catcgtaag	ggctgggttg	accccgtcac	cgtttccaag	atcaacattc	360
tcggatccgg	atacaaganc	gagctcctca	agcaaattcc	tgcgcgagaac	tccccaaggc	420
cttcggcggt	gagtgcgaat	gtgaggggtg	ctgtgananc	agcgaccctn	gtccttggca	480
cgaggccgaa	tttgcccgc	ctgcttggtg	ggagaanaac	angatgcca	tgtcttgana	540
acaagggtc	tganattgaa	gaaccccaaa	ggccctgaag	ccgctcctgt	tgc	593

<210> 306
 <211> 650
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

<400> 306						
cgtcatcaca	accaagcctt	tcgacactct	cttccatctc	acagtctttc	agactcacao	60
ctcccttttt	aaccaccact	cccccaaacc	ataactcttt	caaaatgact	ggcggcggca	120
agtctggcgg	caaggcctct	ggctccaaga	acgcgcaatc	gcgttcctcc	aaggctggtc	180
tcgctttccc	tgctggctgt	gtccaccgcc	tcctccgaaa	gggcaactac	gctcagcgtg	240
tcgggtgctg	tgccccctgt	tacctcgctg	ccgtcctcga	gtacctcgct	gccgaaatcc	300
tcgagttggc	tggtaacgct	gcccgcgaca	acaagaagac	ccgtatcatt	ccccgtcatc	360
ttcagctcgc	catccgaaac	gatgaggagt	tgaacaagct	tttgggtcac	gtcaccatcg	420
cccaagggtg	tgttctcccc	aacattcacc	agaacctttt	gccaagaag	actggcaaga	480
ctggcaagac	ctccagcatg	gagctgtaat	cgggtctttt	tggttctgtt	tttccatgcn	540
atggcagggt	gtttcggttg	tcatgacaaa	agggtcacgg	tttaagggtt	tacacgggtg	600
cntttatnaa	nttattcccc	cgtagggtgt	tgaaaatccc	cacgggtttg		650

<210> 307
 <211> 831
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(831)
 <223> n = A,T,C or G

<400> 307

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gtcgccaagt cgatgctttc cgtgctggat tctcacaagt attcccttac tcagcactca      60
gtgcttttac acccgacgag cttgtcacc cgtttggccg cgttgatgag gactgggtctc      120
tagagactct acttgattcc atcagggccg atcatggcta caacatggac agtaagactg      180
tcaagaattt gcttcatact atgagtgaat tcaacgcata agaacgccga gactttttac      240
agttcacgac tggaagcccc aagcttccta tcggaggatt caagtctttg acacccatgt      300
tcaactgtct ctgcaaacc agcgaagagc catatacgtt tgacgactac ctacccagtg      360
tcatgacatg tgtcaactat ctgaagctcc cagattactc taccattgag gccatgagga      420
aacaactctc accgccagtc aaggaaggnc agggagcatt ccacttgtct tagattgggtc      480
tactttatga agatactgca tgagatgatg ccatgccctt gtcgaccttg tttacttcga      540
cgaattagga aggaaaaagt tttcatttcc cctttattgc cctgatgaaa cgatactacc      600
ccccgatgga ctggaatgat ggaaataaaa cangggcgtn ttattttgtg tttacanaag      660
cacaatattg catggcttna ggagtgngc aggactttta tntnttttt tnatgacaan      720
tgctggtatg ggcatggcaa acctttgaag tnttttccgt gggatcaatna gctgggtggg      780
aaagatgata ttnaatatg aaaaaaaaaa aaaaaaaaaa tctgcgggc g              831

```

<210> 308

<211> 646

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(646)

<223> n = A,T,C or G

<400> 308

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agaacaagcg agccgagaag gctgctaagt ttgctgtccc attgcccagg gtccgcggaa      60
ttgccgagga agaaatgttc aaggctcgtc agaccggaaa gaagatccag aagaaggcct      120
ggaagcgcat ggtcaccaag cccacctttg tcggaccgca cttcactcgc cgcaacccca      180
agcacgagcg cttcatccga cccatgggtc ttcgttacaa gaaggccaat gtcacacacc      240
ccgagcttgg tgttaccgtt cagctgccat catcaagcgt caagaagaac ccccgagaac      300
ctctatacac tcagctcggg gttctgacaa agggtagcgt catcgagggt aacgtcagcg      360
aacttgggtc ggtcaccgcc ggtggaaagg ttggttgagg tccgttacnc tcaagttacc      420
aacaaccccc gagaacgagg gcttgnatta acaagcgtcc ttctggtata atgcggtcaa      480
caagcgctcca cgcgtgatgt tgaagagatt cgtttgtcaa agttcgaatg catgtattgg      540
cgccaaggcg tttttgggtt accgcgccaa aaanaacaa ggccgtgatg gtagatgggt      600
ggtaaacggg ttgattgtcg actggaagat tccaagttgt gatgaa              646

```

<210> 309

<211> 1133

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1133)

<223> n = A,T,C or G

<400> 309

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aatattctagg gacagcccag cccatcncnc atacatcgac aatctcgcct cacactgcct      60
cacttatcga cgtcacaccc tcgaattcca agcttctcaa cgtcttccca gccgttgtga      120
cttccaattc tacgacacct acagcatact ccacgtccct gtctccgccc cgaccaccat      180
catgaaggct gctctgttcc tttccgtctc cgctcagcc gccgttggcg ttgttgctga      240
ggagctcaag atcgatgtga ctcttcccg tgtttgagcg cgcaagacac agaggggaga      300
caaggttcac atgcactacc gtggtaccct caaggactcg ggcaagcagt tcgatgctag      360
ctacgatcgc ggtactcccc tttccttcaa ggtcggttct ggccagggtta tcaagggatg      420
ggacgaagggt cttcttgaca tgtgtattgg tgagaagcga atcctgacca ttccccctga      480
nttcggctac ggncagcgan ccattggccc tatccccgcc ggctcaacct tagttttcga      540
gacagaactc gtcggaattg acggtgtccc caaacccgag aagatcgaaa ccaaggctcg      600
cgaaggcgcc gagtctgctg ccgaggccat cagcgaggct accgaggctg ccgcgacagc      660

```

ttctgagaaa	gttgccggca	aggttgctga	ggccatcatc	gatgctgcta	aggctgccaa	720
gaccattatc	gctgataccg	atgacgctcc	cgaacacgan	gagctgtaaa	gacatgatgt	780
ataacgattt	actttgtgca	taccgcaaaa	cgccatgaca	tatcatatca	tccattatac	840
ataaacctag	aaggctggat	aacaaattcc	gtcgacgttg	atgtcatatc	gtgtgcaatt	900
cgatcgagta	gggccccacg	ttgtccttga	gtgacttggt	ggctgtagat	gcatgactga	960
agatgtagtg	agggtttgcc	atctacctgg	agtgtgattg	aagggtttgt	ttagtcggtc	1020
ttgacgtcat	gacgatact	attattcttc	cttatccttt	tctgnagaaa	gaaatcgctt	1080
ntagtggctc	taagtgtcca	atcatgatgg	ngggttntgn	caaaatccnt	ttt	1133

<210> 310
 <211> 607
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(607)
 <223> n = A,T,C or G

<400> 310						
tgtgtttctt	gagaatgcgt	acagtttagt	tcaccaggac	aatgcggccg	atgtccccac	60
cgtttccgac	ctacgcatgc	agttggagaa	aggcaccgac	gagagcaagg	ttgagaccat	120
gaagcgcata	ttgaccatca	tgtccaatgg	cgatcctatg	cccagtttgc	taatgcacat	180
catccgtttt	gtcatgcctt	caaagtacaa	gcctctcaag	aagctcctct	acttttacta	240
tgagatctgc	cccaagcttg	acagcagcgg	caagcttaag	caagaaatga	ttctggtttg	300
taacggatc	cgaaacgata	tccaacatcc	caatgaatac	atccgaggaa	acactcttcg	360
cttcctttgc	aagctgaggg	aagctgagct	tattgagccc	ctcctctctt	cggcgagatc	420
ttgcctttga	acacagacat	gcttatgtcc	caaagaatgc	tgtcttcgcc	atctcctcta	480
tttacacaca	ctcgctttct	ctgatcccga	cgcttcagaa	cttattccac	cttctcgaag	540
ganaaaatga	cggtgtctgc	cgaccggaat	gctttgccgc	cctgctagtn	ttcaacagan	600
gctgccc						607

<210> 311
 <211> 1119
 <212> DNA
 <213> *Fusarium venenatum*

<400> 311						
atcaactgtc	acaatgcctc	tcctacctca	aagcgtaaag	ccccgcgtta	tccttggtct	60
tatgaccttt	ggacctcccg	gtagtggagaa	gctcgacgct	cgtatctttg	actcggagac	120
cttcaacaag	gcgcttgacg	tcttccagag	caagggttac	agtggatttg	acaccgcacg	180
tgtgtatgtc	ggtggaaacc	aagagggatg	gactggtaaa	gagaccaa	ggaaagagag	240
gggactcact	ctcgatacca	aggtcaagta	tccaaggaa	cctcgcgaaa	acacctacga	300
caaggtcata	gagtcagttg	ataccagtct	gaaggagctt	ggaaccgact	gcattgatct	360
gctctacctc	caccgtcctg	atcggtggtg	tccttttgc	gagacccttg	aggctatcaa	420
caagctgcac	aaggatggaa	agtttgtaaa	ctttggtatt	agtaacttca	ccgcgtacga	480
ggttgctgag	gttgtcatga	cctgcaagta	caataactgg	gtccgacctt	cagtttacca	540
gggcatgttc	aactgcctca	ctcgttctat	cgaggcagaa	ctctttgttg	cctgcagaag	600
gtacggctct	gatattgttg	tttacaaccc	cattgctggc	ggtcttttgt	ccggcaagat	660
caagtcgatg	gacatcgagc	ctgaaagcgg	tcgcttctct	gaccagtctg	gtatcggcaa	720
cacataccga	cagcgttact	ttagagagag	acacattcaa	ggctcttaac	gtttatcgag	780
caggccgttg	agaagaacgg	attgagtatg	cttgagacag	cgctgcgatg	gatggttcac	840
cactccaagc	tgaagatcaa	ggacggcaac	gatggcatta	ttctcggcat	gtccaggggtg	900
gagcagctgg	aggagaacct	ggagatcctt	gagaagggcc	ctcttcctga	cgaagtgggtt	960
gaggcacttg	accaggcctg	gctgtactcc	aaggcagaca	cgactaatta	ctggcacggg	1020
gagttggagt	atacttatga	tgtgcacgag	gctctgtttg	gggcatcggc	caagtaaatt	1080
gcgagcaggt	agacagtaat	atctatcgtc	tgaccgcgag			1119

<210> 312
 <211> 587

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 312
cgacgcccga gttctccgta tcatcacaga agtattttgag ggacttggct ggaacgggtgg 60
atacacgata aagctgaacc acagaaagat cctcgacggg atcttccagg tttgcggcgt 120
gcctgaagac aagatccgta ccatctcctc ggctgtcgac aagcttgaca aactgccctg 180
ggctgatgtg cgcaaggaaa tgaccgagga aaaaggactc gatggcgaag tcgccgatcg 240
aattggagaa tgggttggtt tgaaaggcaa gcaagatctg ctccagaagc tgcagancac 300
cgagaaactg gccgccaacg aatctatgaa gaaaggatg gaagatcttg aacttctttt 360
tgaatacctt gaagcattca actgacctga ccgggtttct tttgatctca gcttggctcg 420
aagtctcgat tactacaccg gtctcatcta cnaagttgtc ncccaagggt ccgctcccga 480
agttaccccc ggncaggaaa aaacaaatcc cagccttcca aagaaaaang gttagaaagg 540
tggcgaagan gaagaccgct ctgatgatcc cctgttggcg ttngaatt 587

<210> 313
<211> 623
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G

<400> 313
cgctgggtgg gttatttttg tcgctcttat taccattttac ggactgaact ttattgcttc 60
gttcatgtac ctcgaccctt ggcacatggt ccactccttc ccttactacc tggttctcat 120
gtcaacttac atcaacattc ttatggttta cgcattcaac aactggcacg atgtttcctg 180
gggtaccaag gggttcggaca aggctgaggc tcttcctctt gccacgcta ccaagggtga 240
gaagaacgag gttgttggtt aagaagttga gaaggagcag gaggatattg acagtcagtt 300
tgagcaaaact gtccgccgtg ctctcgctcc tttcaaggag gaggaggagg tcgaggcggc 360
cgatgttgag gatggataca agtctttccg aaccggtctc gtcgtctgct ggttggttgg 420
aaacattctt ctcatgtttt gcattaccag caccaacttt gacaacctcg gatgggggtga 480
acctgccaca gaacgaaagg cgcattactt ncagttcctt ctgtcgctac tggcgngctc 540
tcgcttggtc gttttgcccg tttcttggtg gtctctcgag gactgggtant atgtgctggt 600
ttctcaagaa attaanccgg cgt 623

<210> 314
<211> 652
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = A,T,C or G

<400> 314
taacctctta cgttttctata ggtttcgccg tcttcagagt cacattgtta gcccatcatg 60
tctttccaac caaccaant ttttgaggag ggcaccaccg aggagaaggg tgagaatgct 120
cgccttgccg cctttgttgg tgctatcgcc gtcggcgatc tcgtnaagag cactcttggt 180
cccangggca tggacaagat tctacagtca gcctccaccg ccgaaatcat ggttaccaac 240
gacggtgcca ccatcctgaa gtcgatcgcc ctcnataacg ccgccgcaa gggtctcgct 300
aatatttcaa aggttcaaga tgacgaagtc ggtgacggnn ccacatccgt tgctgtcctc 360

gctgccgagt	tgttaagaga	ggcagagaag	ctggtcgaca	agaagatcca	ccccaaaact	420
attattgagg	gttacagaat	agcgagcaag	gctgnattga	aggcttttga	aggctcggcc	480
gtccaccaca	gnaagaaccc	cgaggcgttc	cgccaanatt	tgttcgttnt	cgcgcgaaca	540
acttttaact	taaaagggtcc	tcgctnaaga	tcgcacgcag	tttgcccaat	tggcttgtng	600
atgcttgctt	tcccacttaa	gttttcaaac	ctaaaccncn	ttcaaatnat	ta	652

<210> 315
 <211> 559
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (559)
 <223> n = A,T,C or G

<400> 315						
ctttctctct	aacattaact	ggtgttgtgt	tgctgatttc	ctccatcaga	cacttatcac	60
ttacacgcga	tccaattcct	cgatactcgc	ccacagcctt	caacaaaatt	cacaatacag	120
tcacaatggc	gtcacanaat	atgacgaacc	cttctgttaa	ccctgacatt	gaanacgagc	180
tcttccaaaa	ggaggttgag	gccgtcaaga	cgtggngggtc	cgactcaaga	tggaaacaca	240
ccaaacgacc	ctttaccgct	gaacagatcg	tttcaaagcg	cggatacctt	cctgttgact	300
atgccagcaa	cgcccaggcc	aagaagttat	ggaagattct	tgagcaccgt	ttcgagaacc	360
gcgatgccag	ttataacctac	gggtgcttan	aaccacaaat	ggtaactcag	atggccaaat	420
acctcgatac	agtataccgt	ttccggntgg	caaatcgctc	tcaacggcct	tttgtttccg	480
acgagcctgg	gcctgatctn	ggctgactac	ccttacacta	ccggttccta	aaaaaggtn	540
gccatTTTTT	tattggccc					559

<210> 316
 <211> 894
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (894)
 <223> n = A,T,C or G

<400> 316						
ctttcagctt	tttttcttct	cctcctcaac	ctcactcctt	tctcctcaag	accctcgatt	60
tcttgccaat	accgtcaaaa	tgtccgcccc	taacgacaac	gagcatgaga	tgacattcga	120
ttccgcccgt	gccggcgcg	ctctcacctt	ccctatgcag	tgctctgctc	tgcgtaagaa	180
cggtttcgtc	gtcatcaagg	gccgcccctg	caagattatc	gacatgtcca	cctccaagac	240
tggaaagcac	ggtcacgcca	aggttcatct	tggtgctacc	gacatTTTca	ctggcaagaa	300
gtacgaggat	ctctccccct	ctactcacia	catggacgtc	cccaacgtca	cccgccgaga	360
gtaccagctg	ctcgacatct	ccgacgatgg	tttctctctc	ctcatgaccg	acgatgggtga	420
caccaaggac	gatgttcctc	ttcccagaaa	cgaaattggc	cagaagatca	ccaagctcct	480
caaggaggaa	gagaaggaca	ccaacgtcat	tgctcctcacc	tctatggg	cgagtgccgc	540
tatggaggcc	aaggagctcc	caaccagggc	taaatcattt	aaaccttgat	ccacgcccta	600
ccttaatggc	acttgccctt	gaggatctac	attgaaagat	gatctggatc	aggggatcct	660
ttttgttttt	gatggacatt	tggcgcacat	atattcatgg	gccatgggta	ggcgtcgtgc	720
aaaaggactt	ctctacctgg	acagggttgc	ctgcctttta	tgatatacgg	caacccttta	780
gcaccccag	cctcaggctc	gaaaatgttt	tcctttgggt	cctggcttac	aagctgcgaa	840
taccatcatg	tcaccgatac	cgtagcagca	attaaatgac	gaaaaanggg	agag	894

<210> 317
 <211> 884
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(884)
 <223> n = A,T,C or G

<400> 317
 caaccgacca agtcaaaaaa aattttgagg tatgtatgac ttacgcttgc agcgagtcga 60
 atcaaaaaaa ggatgatgcc ttccaccatg gcaaaagggt agcaatcgag ggtattgtcg 120
 tcaaccgtga agaaaagacc gatcttttca acaagggccg gaaataactta tcacaaactg 180
 gcgactgtat ccttgatacg cttctcttca gcactgggcg gcagaaccct cgcgatcgat 240
 cggtgagggc actttccagt cttcatcaac ggcccnnnna agtcaaaaaa aattttgaga 300
 tacctcattt ccccgctccg acttgagaat ctccctcaaaa caccgcaaaa atgggtccgca 360
 cttccgtcct ccacgatgcg cttaacgccca tgaacaacgc cgagaagggt ggcaagcgcc 420
 aggtcctgat ccgaccttct tccaagggtca tcatcaagtt cctcactgtc atgcagcgac 480
 acggctatat tggcgagttc gaagagatcg acgatcacgc atccggcaag atcgttgttc 540
 agctcaacgg cgtctcaac aaggctcggag ttatctctcc ccgctacaac gtccgcctct 600
 ccgagctcga gaagtgggtt gtcaagctgc tccctgcccg tcagttcggc tacgtcatcc 660
 tcaccacctc cgccggtatc atgggaccac aggaggcccg ccgcaagcac gtctctggca 720
 agatcattgg cttcttctac tagaaaggga cgggaaacca atcaaaaagt gatttaaaaa 780
 caaacaggca ttctcggcgt taaggaggat gatgactagg accgatgcga ttatatagcc 840
 aagttgcttg tcgcacacgc gaacatacca attgatactt ttga 884

<210> 318
 <211> 597
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 318
 tgtcaacgct gcagctctgg agatgcctac gcaatcacca cccacaacgg agatggattc 60
 tcctgccgct ggattaacac ctacgctcag cgctggctct gaagagattc agctggatgt 120
 tggcaacatg gaccttgatt tcatgcaggg ccatgatgag tttgactgga acgctgtggc 180
 cggaactgat ttcgacgttn accagtggct ccagttcccc cccgagggcg tcaacaacca 240
 agacgacaac ttgatcgctg gcgtattggg cgttgaagag cctacaatgt ctgccgagca 300
 agctctgacc tgggccatga acgctgagac agacgtagca gctcgtcagc ctgaaaaccg 360
 cgacattacc gcgtcggcat agantccaa agttcgtgct gctatattca cataatgttg 420
 gatgtatcac tttttggatt gggcgctcata tttagttctt tcgtgttatc tgggtgtacat 480
 gcctgtactg cattanaaac gggcggtttt tgaacgcngg ctccgaacct aggtggcggt 540
 tgtttttttt tctggcgctgg aaacaanngg tttgtccttg atatgggttg tgtttct 597

<210> 319
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 319
 cccatgtttc taggcaagga tgacattcag ttgggtgtga acgaatcact ctatgacact 60
 tcaaagggtca tctcatccat gacttcctgc atgggtgtgc gggtaggacc tcattctgat 120
 gtcgctactc tggccaagca ctcaagtgtc cctgttatta atgctttgtc tgatgatttc 180
 caccctctcc agactattgc cgacttcctg actctccacg agactttccc ttcataaagc 240
 tccaagggag ctactctggg tctgaacggt ctcaagggtt cctgggttgg cgatgccaac 300

gaacctcaac	ggagctctcc	aaatctctgt	ttccatgcct	tctcttgagg	tcggaaccct	120
cggtggtggt	actatccttg	agccccaag	cgccatgctt	gatctcctcg	gtgtccgagg	180
gtctaccca	ctaaccctgg	tgacaacgcc	cgccggctgg	ctcgcatcat	cggtgcctct	240
gtccttgctg	gagagctgtc	tctctgcagt	gctttggctg	ctggtcacct	tgtcagagct	300
cacatgcagc	acaaccgaag	tgccgctccc	tctcgcagca	ctactcccg	ttccatgaca	360
cccgtctat	ccatgaccac	ttcgggggtca	acaacatcaa	tgagcgctgc	tgccatccag	420
aggtaaagc	gataaatgac	gagcgtttgc	atcttgagg	agtagtttga	cgaaagtgtt	480
aaaagaatag	agatgagcat	gtacgacata	tgggtctggga	tggatgatgg	gtcatacaac	540
atgggaggtt	ttttcgcatt	gggacattct	ggaaaggctg	ggcaaagggg	tacatacata	600
tacaagtcgt	cgnaaagatg	cnaaatattg	gtangcatgg	agtttaatac	cgctncaata	660
gtcaatttna	ntcctttttt	gt				682

<210> 323
 <211> 587
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 323						
gatacccaaa	tcattcacia	tggctcccaa	gatcgctatc	gtctactact	ccatgtacgg	60
ccacatdaag	cagttggccg	aggctgagaa	gcccgtatcg	agaagctggc	ggtagtgccg	120
acctcttcca	ggtccccgag	accctccccg	aggacgtcct	cgccaagatg	catgtctctc	180
ctaagtccac	cgacgttcct	accctcgacg	acccttccat	ccttgagggc	tacgatgcct	240
tcctccttgg	tatccccacc	cgttacggaa	acttccccgc	ccagtggaa	ctttctggga	300
caagaccggc	aagcagtggt	cttccggtgg	tttctggggc	aagatggccg	gtatcttcgt	360
ctccaccgcc	tcccaggggt	gtggtcagga	gaccactgct	cagaacgcca	tctctaccct	420
caccaccac	ggcatcatct	acgttccctt	cggttacgcc	aaggctttcg	gtacctgact	480
gacctctccg	aagtctcgcg	tggtaacnct	gggggtgccc	gtaccttcnc	tgggtggtgat	540
ggttccgtca	accctcgccc	aaggactcaa	cttgctcagg	tcangga		587

<210> 324
 <211> 360
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 324						
aggttgagcg	cgaaaccttg	acagctcctc	ctcaccacca	caacaacaac	cgatcatcacc	60
cttacttttg	tcacggaatg	cacagctctc	gaggccacct	gcctacgctt	tcttcttacc	120
atatggctcg	ttctcactca	ggcgacgacg	acnaccacta	ctccggctct	atgcgccatg	180
ctaagcgctc	aaggcctaac	tcccctaact	ccacagctcc	ttcatcacca	acattttctc	240
acgactcctt	gtcacctaca	cctgaacaca	ccccaatcgc	cacccttgct	cactctcctc	300
gcctanggcc	ttttcttggc	tacaaactgc	taattctccn	aaacctttcg	cttcaaaaaa	360

<210> 325
 <211> 623
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(623)

<223> n = A,T,C or G

<400> 325

aagaactctc	ctgtttcttca	gctaaacgct	cgcaactatg	ataagatcat	tgcaaagtcc	60
aactacacct	ctattgtcga	gttttacgct	ccttggtgtg	gtcactgtca	gaatctcaag	120
cccgttatg	agaaagctgc	caaaaacctc	gatggccttg	ctcaagttgc	tgcaattgac	180
tgtgatgatg	acgccaacaa	gcagctctgt	ggctccatgg	gcgtccaggg	ctttccact	240
ctcaagattg	tccgccctgg	caagaagtct	ggtaagccca	tcgttgagga	ttaccagggc	300
cagcgaactg	ctggtgctat	ccaggaggct	gtcctgagca	agatcaacaa	ccacgttaca	360
cgtgtgagtg	acaaggacct	ggactctttc	cttaaggggtg	acaaagccca	agntgtcctg	420
tcaactcaaaa	gggactctag	tgcgcntatt	cgaacatagc	nttggctttc	tcgatgncat	480
ctctgnngggc	agaatcntga	taaggaancg	gtgctgtaaa	aggttggcat	tganaagttc	540
cccgttttng	gtctgatcct	ggngaaggaa	ggnccnttgg	cnttacggga	naaggccaaa	600
aggcttggca	anttctnctt	aac				623

<210> 326

<211> 588

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = A,T,C or G

<400> 326

atgggttccg	ctctcatgtc	cctccagaac	cagcgccccg	agatcggtag	tcagaagatc	60
gatgagctcc	ttgccgctgt	cgacgagtgg	atccctaccc	ccgagcgtga	ccttgacaag	120
ccttttctca	tgtccgttga	agatgtcttc	tccattgctg	gccgtggtag	cgctcgtctc	180
ggcgtgtcgc	agcgtggtat	cctcaagcgt	gaccaggaga	tcgagcttgt	cggtaagggc	240
caggagggtta	tgaagaccaa	ggtcaccgat	atcgagacct	tcaagaagtc	ttgcgagcag	300
tcccaggctg	gtgacaactc	cggctctctc	atccgcggta	tccgccgtga	ggatgtccgc	360
cgtggtagtg	tccgtctgcg	cccctggcac	tgtcaaagtc	tacactcagt	tcctcgtctc	420
tctctacgtc	ctcaccaagg	aggagggtag	ccgacacact	ggttttcang	agcactaccg	480
acccagctat	accttcgaac	tgctgatgag	tcgatcgacc	tgacctttcc	cgagggtacc	540
cgaggatgcc	ttcagcaaga	tgatcatgcc	cggtgacaac	accgagat		588

<210> 327

<211> 658

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 327

gaatccgctc	gccccagcgg	caaatcgttc	attctctctc	ttacttcctt	tgtttctcta	60
catcgtctcg	cctgcgaaag	tacacaacct	gccttcttcc	aactccatct	tcactctccat	120
ttccgctgtg	ctgtcgtcct	cggttggttg	cctttcaatc	cggtttactc	gcgacttgcc	180
ttgcatacat	ttgaatttac	gacaactcgc	ctcgagcaaa	agataataca	ggaagtgcaa	240
ctcaaacgct	aattcacaa	ggctgcgaac	acaaagttcc	tacgagagta	caagctcgtc	300
cttgtcgggtg	gcgggtggtg	ccgtaaatct	tgtttgaaca	ttcagttgat	ccagaaccac	360
ttcgtcgacg	aatatgatcc	tacaattgaa	gactcgtacc	gaaagcagtg	cgttatcgac	420
gaaaaagtcg	ccctgctcga	tgttctcgac	acagctggcc	aggaagaata	tagcgccatg	480
cgcgagcagt	acatgcgaaa	cggaaaagga	tttcttctag	tctactccat	tacttcgcga	540
caaaagcttc	gaagaaatca	ccacattcca	acaacaaaat	tctgcgaatc	aanggataag	600
gactacttnc	ccatgggncg	ttggtggcaa	caagtgccaa	tttggagggg	gaaccaat	658

<210> 328
 <211> 591
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

```
<400> 328
ttggccgatt ttggcgtctc aggtcagctc tcagcaacca tgaccaagaa gaacactttt      60
gtcggaaacc cttttttggat ggccccagaa gtcatacaagc aatctgggta cgaccacaag      120
gctgatattt ggtctcttgg catcacggca cttgaattgg caaatgggga acccccttat      180
gctgatattc accccatgaa ggttctcttc ctcataccca agaaccctcc accacggctt      240
gaaggcaact ttaccaaggc ctttaaagat tttatcgagt catgtctgca gcgggatccc      300
aaagacagac caacagccaa agaaatgctg cgccatccat ttattagacg ggcaaagcgg      360
acaacgtacc tgactgagct catcgaaaga cactcgcggt gggcagctgc gcataagggc      420
gaagatgatg ataactggga atctgtccac gatggccgac ttcccgtgta acgtgagcga      480
atcnatgaaa anatgttggg ttttggcacc gtcagacttt tcngtgaacg aaggggtntt      540
gtttaacgaa caagcctcaa taccctggat ganaatgcaa caaatgctcc c              591
```

<210> 329
 <211> 613
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

```
<400> 329
ctctaattgca ctcgagaagc aactggaccc agcaaattctc tccgagagag accgtgtcag      60
catatccgcc gaacctcgag acttcagctt ccgcaattac gtgggctatg ccatctatgg      120
gcccctttac ctggccggac ctattattac gttcaatgat tacatctcgc aatcaaagta      180
ccgatctgcc agcattgaga caaacccaac tattcgctac ggtatacgtt tcctcctggg      240
gctgctgtcc atggagggtca ttctgcacta cgactgggtg ggcgcaatca gcaagggaaa      300
gcctgattgg agttcttaca cggcagcaca gctatctatg ctgtcattca tgaacctcca      360
catcatctgg ctcaagctcc tgctccctgg cgaatgttcc gactttgggtc attggttgat      420
ggaatggacc cgcctgagaa catggtccgt tgtgtaagca acaactacag cacgcagctn      480
ttctggcgag catggnaccg ctcgtaaac gatgggtgat cangtcattt acattcccct      540
ttggcgggtc atcggtnccg aactggggaa ccactgggag actatcttga cctttctcat      600
gggggttacc ttg              613
```

<210> 330
 <211> 590
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

```
<400> 330
ctttactttg aggattcaag cgaccgttaa tttattctca aaaatgtctg caccggccgt      60
ggctttctgca tctgcagcag gtgcttccag caatgctact ttctgtgata aggagaagcc      120
catggcgggt cgctcctcca acatcgctgc tgcccagacc gtgcgggatg ccgtcagaac      180
ttccctcggt cctcgaggta tggataaaat gattcgaggt ggaaagggag aaactatcat      240
```

caccaacgat	ggaaacacta	tgctgaagag	catggctgtc	atgcatccca	cggcaaagat	300
gcttgtcaac	ctttccggtg	ctcaggatgt	cgaagctggt	gacggaacaa	cctctgtcgt	360
cgtcatttgt	ggcagttctg	tccggtgctg	tgaccgactc	ctctccaagg	gtattcaccc	420
ttccgttatt	tccgagtcgt	tccaaagact	gccgcgcgtg	ccgtcgaagt	tcttcacgat	480
atgtcccttc	ctatcacccct	tagcgacact	tcttcgcttc	ttcaagccgc	caacacatct	540
ctgtcatcca	agatttgtgtc	acaatatctg	aacctgtctg	gaacctatggc		590

<210> 331
 <211> 668
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(668)
 <223> n = A,T,C or G

<400> 331						
cacacaccca	cttcagcctt	ccacccccac	aaccatcaac	acaacaacaa	caacttttcta	60
catcatatca	atcatcaaca	atggctcgca	ctaagcaaac	cgcccgcgaag	tccactgggtg	120
gcaaggcccc	tgcgaagcag	ctcgtctcca	aggctgcccc	caagtccgcc	ccctctaccg	180
gtggtgtcaa	gaagcctcac	cgctacaagc	ccggtaccgt	cgtctctcgt	gagattcgac	240
gataccagaa	gtccactgag	cttctcatcc	gaaagctccc	cttccagcgt	ctcgtccgtg	300
agattgcca	ggacttcaag	tctgatctcc	gattccagtc	ctccgccatc	gggtctctcc	360
aggagtcctg	tgagtcctac	cttgtctctc	tcttcgagga	caccaacctc	tgccgccatcc	420
acgccaagcg	tgtcaccatt	cagagcaagg	atatccagct	tgcccgcgcg	ctccgagggc	480
agcgcaacta	ancgcttggg	gtgatggaag	gataacgaat	tttttgcttt	gacacgangg	540
aatatcatgg	gtatggggat	aatcaaggcg	ttcactagga	acatgtttta	tacacangct	600
tgnacactaa	atggcaagcg	agtttagctg	ccctttcaca	atcgaccaa	aggtctttta	660
tngttttt						668

<210> 332
 <211> 1027
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1027)
 <223> n = A,T,C or G

<400> 332						
ctagaccctt	ctttgaactc	cgaccaacgc	tctcacgacc	aaccttttag	acttccgcgc	60
cgcaaccttt	ttcgagttaa	cctttctttc	gacttgctaa	atatataaga	aggactacag	120
cttgcccttc	gttgtcttgt	ccaagatctc	ctcttagcag	cgcatacgac	acagcccacc	180
ttgggcccc	acgttcataa	tggtgaagat	atggctcgat	aaaaaggagc	agaaagatgc	240
agagaacgct	gaagggtcaag	cttctggcgc	taagaagaag	aaggngaccg	cagcccagtt	300
gcgcggtgca	aaggatcttt	cagaactttc	ctcggctcga	cgatgaagac	agagttcctg	360
atcctgacga	tattctcaac	tttgtcctta	ccatcgaccc	tgatganggc	atgtcccga	420
acnggcggtc	acattcgact	ttaccattna	ccagaacttc	cccacgagcc	tcccaaagtt	480
cgatgccgag	aaaagattta	ccattccaac	atcgatcttg	aggggaaggt	gtgcctgaat	540
attctgcgag	aggactggaa	gcctgtgttg	aacttgaacg	cagtgtattg	tggcctacag	600
ttccttttcc	tccaacccaa	cgcacgcgac	ccgctgaata	aggaggccgc	tgaggatcta	660
cgaaacaacc	gggaaggctt	caagcgcaat	gtgaggactg	ctatgggagg	tggagtgggt	720
aaaggcacga	attacgacag	ggtcctcaaa	tagagagcgt	gccgaagaac	gaataccaac	780
acgatttttg	gatgaacaac	tacggaggca	aagagcccaa	tccgggatct	tgagatgata	840
gaacgacttc	aatgagcgtt	ttgatacgac	gaacgacatc	atcggagacg	aaagagcatc	900
acgtggcgtc	ctatgggtct	ataatccgga	caggctttgc	ttattatccc	caaggcgctc	960
tatgtatggc	ttgatgangg	gtgtgtcttg	ttgaanaatc	ggacggaggc	ggggtagaat	1020
tggagat						1027

<210> 333
 <211> 799
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(799)
 <223> n = A,T,C or G

<400> 333
 caaacatcct cgcgaaatata gntattaata acacagtatt cgtcaacaat natgtcaaca 60
 ataacccctg atgcgcttca gtcgggacag gtccttgta ttcccttata cttcaatggt 120
 aaccagcccg agaagggtgac gctctacccg ntttccaact acacatttgg tgtcaaagag 180
 actcancccg aggaggaccc atcagttatt gtcgcctaa agcgactcga ggagcactac 240
 acagagcatg gcatgcgccg tacgtgtgaa ggcattctcg tctgccatga aaacaaccac 300
 ccgcacattc tnatgttaca aatcgcaaat gccttnttta agtcccagg cgattacctg 360
 cgccccgaag atgacgaaat tcaaggcttc aagtcgcgac tcgacgagag attggcacc 420
 gttggtcggt tgggggaggg cgaaaaagct ggcgactggc aaagtagggc actgcttacc 480
 ccagtggngg aggcccaact ttgaaacatt tatgtatccg ttcacccctg cgcagtgtgac 540
 caagacccaa aggagtgcaa aaagctttat ttnattcagc tgcccaanca aaagggtttg 600
 agcgtcccta aaaacatgaa gtccttgcc gtcctctctc tcgagctcta cnacaatact 660
 gcgcgatatg gccccagct ttctgcgatt cctnatctgc tgagccgata taactttgag 720
 tttgnggaca anaatggcaa cgttgttgcg gccactccan gttctgcnc ccaaganggt 780
 tttgtcccca caaaaagt 799

<210> 334
 <211> 800
 <212> DNA
 <213> Fusarium venenatum

<400> 334
 cttcatccaa catccatcga ggacccggcc gtcaccacta acgacaatca agatgggtcaa 60
 cctgcgaact cagaagcgcc tggcctcatc ggtcatcggc tgtggcaagc gcaagatctg 120
 gctcgacccc aacgagcaga gcgagatctc caacgccaac tctcgtcaga ccatccgaaa 180
 gctcatctcc gatggcctca tcatccgaaa gcccgtcacc cagcactcgc gatcgcgagc 240
 ccgcgagctg aacctcgccc gacgagaggg ccgacaccgt ggctacggta agcgttaaggg 300
 taccgccgat gtcgtatgc ccagccaggt cctctggatg cgccgcctcc gagtccctcg 360
 ccgtcttttg gtcaagtacc gtgccagcgg aaagatcgac aagcacctct atcacgagct 420
 gtaccacagc agcaagggtg acgccttcaa gcacaagcgt gccctcgtag agcacattca 480
 ccgtgccaaag gctgagaagg ccgcgcgagc tgccctccag gaagagatgg atgccaaagc 540
 tgcgaagaac aaggctgccc gtgagcgcaa gcaggagcgt gcggtggcga agcgaatgac 600
 cctccttgcc gaggaataaa tgtaagccca gtggacaacg acaacatttc ggtcttagga 660
 ggaggtgca tacggagtct acgggttggg tcttttttta tgcccttctg gtttctacac 720
 ttgtaccggc ggggttcagg catgtagcat tgaaaatgga atcgatgatg ctcggatgct 780
 tggatgtttt cccatttacg 800

<210> 335
 <211> 763
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 335
 cccatctttt gcctcaatat ccacgtgcaa attttcacgc tttgtgtcgg tcaaggcgtt 60

ttgcgagttt	ggagacaatt	ttttcacttc	catttgtctt	tttcctccgt	ctctctttat	120
cttgtagctt	attgcttctc	cggtttcacc	ggctgactcg	gccagggttt	ttgtgagggtg	180
catctatcca	tctgctatca	tattccactc	gacaagttac	ccccgcagtt	gttctgatta	240
gcgatcttga	ctgccgcctt	cctcctcccc	cacgcgaccc	tccctcattt	ctaccgcggg	300
ctcgctctcg	ccagcaaata	ctctcgaaat	ggcagaccaa	cacgagggtcg	atctcgactc	360
cataatcgac	cgcctactcg	aggtgcgagg	cagccggcct	ggcaagcaag	tccagcttct	420
tgaagctgag	attcgatacc	tttgcaccaa	ggcccgtgag	atcttcattt	ctcagcctat	480
cctccttgag	cttgaggctc	ctatcaagat	ctgnngtgat	atccacgggc	agtactacga	540
tcttnttcga	ctnttcgagt	acgggggctt	nccttctgan	gccaaactacc	tntttttggg	600
tgattacgtc	caccgaagaa	agcaatctct	tganacatct	gcttgctcct	cgcctacaan	660
atcaantacc	cgaaaactct	tcatacttcg	aagcaaccac	aaatgccctc	tatcaaccgt	720
atttatngat	ctacaanaaa	tgcaangtcc	tataacatcn	agc		763

<210> 336
 <211> 657
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(657)
 <223> n = A,T,C or G

<400> 336						
catcgccgtc	cggtgactcc	gaaaagcttc	aaagctacga	ctccatcacc	catcgctccc	60
tgggtttttc	gaccaccatt	tttgaccgtc	aatctttcac	ccgcaagaaa	gattttaattg	120
caatatttca	aaatggctgg	cgctgcacga	gccctcggtt	tcatgtaccg	catggcggnc	180
ccgcctcag	ctgctgtctt	cctaggcagc	caggctctat	acgacgtcaa	gggaggaact	240
cgggctgtta	tatttgacag	actgtctggt	gtcaaggagg	atgttatcaa	cgaggggaacc	300
catttctctc	ttccctgggt	gcagaagagc	atcatcttcg	atgtacgcac	caagcccagg	360
aatatcgcaa	ctaccactgg	tagtaaggat	ttgcagatgg	tcagcttgac	actgagagtg	420
ttgcaccgac	ctaattgtcaa	ggcccttccc	aagatctacc	agaacctcgg	tgctgattac	480
gatgancgag	tcctccccctc	tattggtaac	gaantcctca	aggccattgt	cgcccaattt	540
tgatgccgca	aaactcatcc	ccacgagang	gtgtttccac	cgtnttcgna	acaaccttac	600
ccttcgngcc	ggcgaattna	aaatngccct	cgangatgtt	tcatttncca	catgaacn	657

<210> 337
 <211> 658
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(658)
 <223> n = A,T,C or G

<400> 337						
ctcgaaatcc	accaggatc	gcgaatnttt	ctcttcagcc	cgtaaacctt	cagctcgcca	60
acagactcaa	gacaagacac	ctgtagtcac	gtccagtccc	gacaacacaa	gtcaattttt	120
tcaagatggc	tcaccccgga	tctcagatct	ccaagaggag	aaagtctgct	gctgacgggtg	180
tctttctacgc	cgagctcaac	gagttcttcc	agcgcgagct	cgctgaggag	ggttactccg	240
gcgtcgaggt	ccgcgtcacc	cccaccgtta	ccgacatcat	catccgagcc	acccacaccc	300
aggaggttct	cggcgagcag	ggccgcgcga	ttcgtgagct	cacctcgctc	atccagaagc	360
gattcaagtt	ccccgagaac	tccgtcttcc	tctacgccgc	caaggtccaa	gaaccgtggt	420
ctctccgtgc	gctcagtggg	gagtccttcc	gatacaagct	ttttaacggt	cttgccgttc	480
gacngcctg	ttntgggggtc	ctccgtttca	tcatggagtc	tggtgccaag	ggttgtagg	540
ttgttggttt	cggtaaagctc	cgtgctgccc	gtgccaaagtc	catgaaattc	accgacggct	600
tcatgaatca	ctctgggtcag	cctgccaaag	acttcattga	acacgccacc	cgtcacgt	658

<210> 338

<211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

```
<400> 338
cttggcttgg aagctgcgct cctttggtcg tttctcttcc ggattatcgt cgacaaccac      60
tttgtcatca accttttggt cgtcgtcaac aactaggcgt gtgaatggct tccgccagaa     120
gctccatgcc gatagcccaa gtgctttcgt aactgaatgc gttgaactcc atcctagtgg     180
caagactgca atgcctgcca gccactacgg cataacttgc actgatatta cccatcaggg     240
ggttcaaggt caatgtcgcg gataanggtg tcccttgtgc gtgggtaacg tcgcgaatcg     300
tgttccaacg ctgattcctc ctgacttatt cagcgtgccc taatagattt ctccaccagt     360
gctaaaccgc cgtagactc tctccctatc actgtctgca ngggcttggg cttccggcct     420
ctcaacatca ccgccgaaat tatatacacc cctgaagccg aacaatcctc catctgaaga     480
ngccaaanct tcganccgct actgccacag tcatattgtg ccaatccan tactgtgccg     540
cccgttctta angtgctgtg canaaacaca ctgaatt                                577
```

<210> 339
 <211> 662
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(662)
 <223> n = A,T,C or G

```
<400> 339
tnttctttca ctcaagacga cgatttgacc atacatacca catctacaac gctgtaccca      60
gctcccttca aactcttctt ataccacta acaagccaac accgacataa tggctgacac     120
cggctcttcc gctggctggg aggtccgaca ctccaactcc aagaacctcc cctactactt     180
caactcggcc gaaaagctgt cgcgatggga acccccctcc ggcaccgaca ccgagaagct     240
caagcactac atggccacga accatagcgc tggttcgcgt cctggtgcag ttcccgggtgt     300
ccccgagggc aaaattcgcg ctgccatct tctcgtcaag catcgcgaca gccgacggcc     360
caacagctgg agagaggccg agattactcg ctccaaggag gaggctttcg agatcatcaa     420
ggagcacgag caaaagatca agtctggaag tgtcagcctt ggccaagctt gctctcaccg     480
agtccgactg ctctcactc gcaagcgtgg gggatttggg ataacttttg cagggggaga     540
tatgcaaaag gagtttgaag atgcttctt tggctcttct tcaagccaca tgagcgagat     600
tgtcgaaaca accaagnggt ctgcacttga atgagcgttt ggaataattg gnaaaaaaag     660
tt                                                                    662
```

<210> 340
 <211> 570
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

```
<400> 340
tgacgagccg gcaggctgat gagctgcata aatccatcat cgcctacctc gccgcaaata      60
acctgcaaga tagcgccaat gccatgagga cngagcttgg tcttggagag gatgctttcg     120
atccggccac cgctaagaag tacganaccc tgctggagaa gaaatggacc agtgtcgtgc     180
gcctactaaa aaagatcatg gatctagaag cgcagacca gaaccttcag acagaactta     240
```

atagcgctac	accgacatcc	ctcgcggaatc	gtagaggaga	ttccgcatct	tggcttccgt	300
ctggccctcc	acgacacntc	cttcaatcgc	atcgaacgcc	aattaactgc	gtcgccttcc	360
accctatttt	ctcttctatc	gcgtccggag	atgaagatgc	taccatcaag	atttgggatt	420
gggagtttgg	tgagcttgaa	acgacngtaa	aatgtcacac	caaagcgggt	ctcgcctccc	480
gattatgggtg	gtccaaaang	gcacacanta	cttgccctctt	gcagtnccga	tttgacaaat	540
taagcnttgg	gatccttcga	acgagtacca				570

<210> 341
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 341						
ccccaaagttta	ataccccagg	tcgcccgaaca	gatcaggggag	gagatgggtg	tactagaagt	60
attagaccac	cccaacgtcg	tctcatatta	tggatccgaa	gttcatcgcg	atcgagtata	120
catttttatg	gagttctgct	cgggaggggtc	gttgccaggt	cttttggagc	atggtcgaat	180
cgaggacgag	caagtcacat	tggtttacgc	gctccaactt	ctcgagggtc	ttgtctacct	240
gcacnaaagt	ggcattgccc	accgagacat	caagcccga	aatattttac	tcgaccataa	300
cggaaatcatc	aagtatgtgg	actttgggtgc	cgccaagggtg	attgctcgac	aagggcgcac	360
acttgccgga	gatgtacagg	cgtccatgcc	gaaccgatcc	atgacaggaa	cgccgatgta	420
catgtcacct	gaggtgatca	agggcgaaaa	ccctggtaag	cccgggtctg	tcgacatttg	480
gtccttgggc	tgngtcatcc	taaaaatggc	tacggcagga	ngccttgggc	gcaactggac	540
aacgagtggg	caatcatgta	caatattgnt	caanggaacc	ccccagctt	gcncctcccg	600
ataactnaac	ccttangact	cgn				623

<210> 342
 <211> 1007
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1007)
 <223> n = A,T,C or G

<400> 342						
aatgtctgga	gtcgacgagg	gttatgacat	cnactcatct	ggcagnggtg	cccttnaaaa	60
cagcccttttc	aaggctgatg	atcccgatct	gcgcaagggc	atgganacac	ttgttgtcaa	120
gtccatgcag	agggccaaagt	nctacatctc	aggaaagacc	aacaagcaac	tgtggcctna	180
ntatgccctc	aacctgcctt	tctacactca	cttcaccagc	cccacccgcc	ggtacgccga	240
tataattgtg	catcgccagt	tggaggctgt	tctctccgag	ggcaagattg	agttcactga	300
tgacttggag	aacctcgtca	agactgccga	gtcctgcaac	accaagaagg	actccggtca	360
gaatgctcag	gagcaaagtg	ttcacattga	gtcttgccga	accatggaca	agaagcgaca	420
ggaagccaac	ggtgatctca	tcgctgaggg	tattgtcctg	tgcgtttacg	agtcagcctt	480
tgatgtcctc	attcccgaat	ggggattcga	gaagcgagtc	cactgcnatc	agctgccttt	540
gaanaaggcc	gagttccgta	aggagaagcg	tgtcctcgag	ctttactggg	aaaagggtgt	600
ccctagctcc	gcgtttgtgc	ccgaagatga	gcgacccaag	gctgcggcat	tcattcgaca	660
cttcaacgcc	atcgctgctc	agcgacaggc	tgaaggaggt	tgaacgtgcc	cgaaaggagc	720
gcgaggaggc	ttgcccgtaa	gcaaaccgac	accggtacca	tctctactga	cgatgttgat	780
gccttgttcg	acgacnatga	tgacaacaca	tcggatgtta	ccgangctat	ggccggagct	840
tcactggctg	aacgcccac	tcagantgtc	ccggttcccc	aacccgatct	tcacttaccg	900
ctggcaacct	gcaccgcact	cgtcttgact	caaaggatcc	gtggcagaac	ctgttganac	960
tcgcctcacc	aacaaggana	antatctcaa	cctgtttctcg	ctccgtg		1007

<210> 343

<211> 407
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(407)
 <223> n = A,T,C or G

<400> 343
 cgtacgggttg cgtcgggtggc tatatcgctg gtagcgccaa gttcattgac gtgatccgat 60
 cgttggcccc cggcttcac ttcactactt ctttgccctcc tgctaccatg gctgggtgccc 120
 aaacctctat tgagtaccag atggagtagc atggcgaccg acgactccag cagctgcaca 180
 ctctgtgctgt caaggaggct atgaacgctc ggcacatccc tgctatcccc aatccctnta 240
 catnattcct gnactagtgt gcaacgcccga naccgccaag gnggtttccg acatgntttt 300
 aacgactacg gattttntgt cnatccataa attccccacg ttcaaggngg gnaggagcgt 360
 tttttatacc ntacccccgc catgaaagga atnccnacca tttttg 407

<210> 344
 <211> 628
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 344
 tctcgatacg ctttcgcgct atgcaaaggc gcttctattc ctgaccaagg ggtaccaggt 60
 caacgcccga gacattgtca acaacgctct gttcagagaa ggacacagcg agatgggtcat 120
 tgtcaaggac attgaagtct tctctctctg cgaacaccat cttgtaccat tcaccggcaa 180
 gatgcacatc ggttacatcc ctaacgagac cgtcattggc ctttccaagc tccccgaat 240
 cgccgagatg tttgctcgac gtcttcagat ccaggagccg tctgaccaag gaagtcgcca 300
 tgccatcatg gagatcctca agccccaggg tgttgctgtg gtcattggag cgagccacct 360
 gtgcatgggtg atgctgtggcg tcgaaaagac taccaccagc accattacca gctgcgttct 420
 cggctgttcg agcgcaagtc caagacacgc aacgagttcc tcaactcatc ggattacaag 480
 agattagang nagaaaccaa angtcgggga ctgncaaagt nccaacaatt cttnaacatg 540
 ctcattgatg aaatactntt acctatgaac acgcacatna cattntagga agncccttgc 600
 tgggtggatta ccaggnnat accttgtt 628

<210> 345
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 345
 gagactcagg tgccaagatc gctattcgtg gcaaaggctc cgtcaaggag ggcaagggcc 60
 ggtccgacgc cgcgcatgcc agcaaccagg aagaagatct gcattgtctc atcatggccg 120
 atactgaaga caagggtcaac aaggccaaga agctcattca caacgtcatc gagactgctg 180
 catctattcc tgaagggtcag aacgaactca agcgcaacca gctccgtgag ctgcgcgccc 240
 tcaacggtag cctccgagac gacnagaacc aggcttgcca gaactgtggc aagatcggcc 300
 accgcaagtn cgactgccct gagaagcaga actacactgc cagtatcatc tgtcgcgtct 360
 gtggtaacgc cggccacatg gctcgtgatt gtcccgaccg ccaacgtggg gccagctggc 420
 gcaacaccga tgggtgcagcc cgccctgctg gtcgtatcga tagcggagat gccgttgatc 480

gtgaatacaa caactcatgc nanaacttgg tggaagatct tctggacccc tgcgcgtntc 540
nagccngcc tggcgctcag gacaacggca gcg 573

<210> 346
<211> 590
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 346
aatattttcc cgatttgctg gtctcgatgg ctcccaagga cgcaatcacc gatatggctg 60
ttgtgactga tgcgtttggt cctattatca agtttgagta cttcggcatc agtatcgatt 120
tgattttctc caggatcatc cagaagcaat tggcaccgga ctttaaggat ctcaaggact 180
ctggccttgct gcgcggactg gatgaagcag agctgcggtc totcaacggc acgcgagtaa 240
cggatgaaat tctcacctcg gtaccggagc aaagcacttt caaaaacgct ttacgagcga 300
tcaaactatg ggcgcaacgc gcgcgcgttt atgccaacat tatgggcttc cctgggtggg 360
tagcatgggc catgcttgtc gcgcgcgtct ggcaacttta ttccaaagct acgccagcag 420
ttatcgtaaa caaaattttt ctgggtatta gtcagtggcg cttggcgcgga acctggtctt 480
ntnaaaccaa atganggcng gccttttgcc cgttcgtggg ttggnacccc caagntatat 540
naaaggggac actttttaat cttatgccag ncattaattc ccgcctattc 590

<210> 347
<211> 561
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 347
gttcgatata caccagcgaa ccagatgggc gacaactcca agaagcaaga ccgtnttatg 60
aagattgttg agcgacagcg tgatcctatg gaacccccga aattcaagca caagaagatc 120
cctngaggac ccccttcgcc gcctccgccc gtcatgcact caccaccccg aaaactcaca 180
gccgaanaca acgagatgtg gaggattcca cccccagttt caaactggaa gaatcccaag 240
ggttttacag tgccattgga caagcgtttg gctgcagatg ggctgggact gcaggatctg 300
gccattagtg ataaacatgc tcaatttgct gaagctgtca agatggctga gcgtcacct 360
cgtgaagagg ttcaacaacc gtgctatgat gcaacagcgt ctancagaaa aggaaaaggc 420
ncagaaggaa gacaaccttc gagacttggc ccaaaaggct cgtgcggagc gatccgctgc 480
tggecggggg ccgtanggat tnccgcggtt cttacgattn tagggacttt tanaactnec 540
aggccncnat cgcaagttt t 561

<210> 348
<211> 612
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 348
cgcattccacc tccataccca gcatcgccaa atttcacagc gacaaccgcc gccatgggta 60
tcgatctcga ccgccaccac gttaagggca ctaccgcac tgcccccaag agcgacaatg 120

tctacctcaa	gctcttgggtg	aagcttttacc	gcttcctggc	tcgccgaacc	gatgcctctt	180
tcaacaaggt	tgttcttcga	cgtctgttta	cttccaagat	caaccgacct	cccgtctcct	240
tgtcccgtat	tgtcgccaac	atcaacaagg	agggcgagaa	gcgaaccggt	gttgttgtcg	300
gtaccatcac	tgatgacaac	cgtctgctcg	agtgcctcaa	ggtgaccgtc	gctgctctgc	360
gattcaccgc	tactgcccgt	gcccgcattc	tcgctgctgg	tggtgaagct	atcaccctgg	420
accaacttgc	tctccgtgct	cctaccggaa	gcaacacctt	gacctcctcg	ggccccaana	480
acgcccgtga	agctgtcaac	atttcggctt	cggctcccaca	gccacaaaaa	ccttatttcn	540
attccaaggg	tccaattcna	acgtgcccgt	ggcgaaaant	tctcgtgggt	caagtctaag	600
cgtttatggt	ga					612

<210> 349

<211> 608

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 349

cttcgagttg	agttgtatcg	atgctctgct	cagcattgtg	gagcttacga	acgcttccct	60
cgatacgggtg	atgtttggcg	attattgcaa	actcgacgag	gacgtgttgg	tgaatgggcc	120
aactgcttta	gcatgctctg	ccgagctgtc	ggtggctcgtg	ttcgtgggt	ttggaacgcc	180
gaagaccatg	tctggaccga	ggtttactct	gaccaccaga	agcgatgggt	tcattgtggac	240
gcttgtgagg	aagcatggga	caaccctcgt	ctctatgccg	agggctgggg	taagaagatg	300
tcttactgca	tcgccttttc	tattgatggc	gctaccgacg	ttactcgacg	atatgttcgt	360
aagaaccaac	acgcttctga	gcgtaaccgc	atgccctgag	gagggtcttc	tctacgttat	420
gcaagagatt	aaaaacatgc	gtcgtctcaa	catgaacaaa	ggaccaagcg	cttccgattg	480
gagaaggaag	acacccgcna	agataaggag	ctttcaagnt	tccgttgttg	cttcaaattg	540
acaaaccgtg	actgacctcg	tccccggttc	cctggnggat	ccaacncaca	acaancagtg	600
gaagcgat						608

<210> 350

<211> 601

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

<400> 350

gagcagcttg	cnontgcct	ccgtgacgag	gtcgtcgacc	ttgagaaggc	cggcatcgac	60
gtcatccagg	tcgatgaacc	cgtctctcgt	gagggtcttc	ccctccgctc	cggtgaggag	120
cgtgacgcct	acctcaagtg	ggctgtccag	gctttccgcc	tgtccaccgc	tggtgtcgag	180
gatgccactc	agatacactc	tcacttctgt	tactctgagt	tccaggactt	cttccacgcc	240
attgctgctc	ttgatgccga	tgctctctcc	atcgagaaca	gcaagtctga	tgccaagctc	300
ctccgtgtct	ttgtcgactc	tgagtacccc	cgccacatcg	gacctgggtg	ctacgacatc	360
cactctcctc	gtgtcccagc	gaagcaggag	atcaaggacc	gcatcgagga	gatgcttcag	420
ttcctcaagc	ctgagcagct	ctggatcgac	cctgattgtg	gtcttaagac	cgtcaatgga	480
aggagactaa	ggangcgctt	accaacatgg	ttaacgccgc	caagtacttc	cgaaaacaag	540
ttactccaaa	tnaatgtcga	ccaacactat	gtgttgtaag	ggttgatggt	tctgggaatg	600
t						601

<210> 351

<211> 567

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 351
 ggctcacgtc cacgcctttg gacaagttgc cctgctgcc gctggtatca tccactacgg 60
 cgcaacaagc tgctacgtca ccgacaacac agagctcatc ctcatgagag acgcccctga 120
 tattctcatc cccaagctgg ccaaggctcct ctccaacott cagtctttcg ccctcgagtg 180
 gaagaacgag cccactctct ccttcacaca tctccagccc gctcagatca gcacagtcgg 240
 caagcgagct gccgcctggg cccaggatct cctcatggac cttcaggagt tgcagcgcg 300
 ccgatctgag ctcaagttcc gtgggtgccc ggggtaccac ggtactcaag ccagtttcct 360
 cgagattttc gctggtgatc atgacaagtg cgacaagatc aacgagcttc tctgcaaaaa 420
 ggctggtttc gaagaatgct acnatatttc taccagaca tacaccgaa aagtcgactg 480
 tcttggtgcc aacgccgtca ctggtctcgg caccagtgt accaagaatg cttctgatct 540
 gcganatctt gccaccatga aagaagt 567

<210> 352
 <211> 880
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(880)
 <223> n = A,T,C or G

<400> 352
 gctgcaacta ctgccc aaac aaccgcaaga ggggcaagct ggccgagctg acgaacacag 60
 acgttagtca aaatcgccaa aggagaaagc acaactgggt cctacgctga tgaccgtgct 120
 gggttttgat gctctcaaag gtgggcaaca atgtgaagct acctttcctc ggactgtttg 180
 cgcccagcga catccccttc gagattgacc gccgaaacca caacgatatc tacccttcgc 240
 tgagcgagat ggccaagact gcccttcgtg ctcttgagaa ggctactgag aagagtgaca 300
 agggtttctt tatcatgatt gagggcagtc gaattgatca tgctggccac atcaacgac 360
 ccgccgtca agttcacgag gttcttgagt acgacaagac cttccgagct gtcctcgact 420
 tcatcaagga gagcaagacc gagactgtcc tggctcgcaac cagtgatcac gaaacaagcg 480
 gtctcgctac cgcgcttcag gaacctgggt acctccctgt ttacaactgg taccctaagg 540
 tcctcgccaa cgcgactgcc tcagctgagt ggctccacgc cgaagctcaa cgcocatatc 600
 gcctctaatt ccgaagccaa gaagaacaag gaaaagctca aggagtatat caacgaggaa 660
 ctcatcatte cgtgggtctcg gcatcttcaa tgcttcggac aaagagatta ccactattgc 720
 cgagcaccac gagagcgac ttggtctctt cttngntctt atttctnttc gcgcccacat 780
 tgggttgag cactcacngn cattaccgcc ggtgatgtca acatttacag cttcgggtgg 840
 accacgaaca agagaacatt cgcgggaacg tggagaacan 880

<210> 353
 <211> 857
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(857)
 <223> n = A,T,C or G

<400> 353
 gccgagtttg caggccagac agctgaacga ggtggtctca tgtggcttct cttctggcaa 60
 ttctcatct tcaattgtac ctttgccgac gccgccatcg cgattaccga tacagctgaa 120
 ggggttggt acttgccaa cgtcgtcttc atgctctcgc tcttcttctg tgggtgtttg 180
 gcttcgccc ataactgccc cggtttctgg atctggatgt accgagtttc gccattcacc 240

tatctcgtgt	cagcgatctt	gtcaactggg	atcggaacg	cagaggttac	atgcacagcg	300
caagagttga	ccacatttaa	cctcccaac	ggaactacct	gcggagaata	tctggagtcg	360
tacatggcgc	aagctggtgg	ttacttgact	aactacgacg	ccacatccga	ctgcaagttc	420
tgcacatca	aggacacca	cgtttacctc	gaggcaactca	gctctagcta	tgataaccgt	480
tggagagact	ttggtattgg	aatggtgtac	atcgctgtca	acattggtgg	tgctctgttc	540
ttgtactggc	ttgnccgcat	gcctaagaac	aagaacaaga	agcagaagaa	ggcgtaaaca	600
attcatagtt	tgggctctac	cttctcttct	tattttgact	tgatctttct	cttcttttct	660
cttctttttt	gggtaatgg	ttggagattg	ttatagaagt	gggtggaattg	tatttagaat	720
cgcaataata	gaatagaaaa	tgggtgtttg	ggggataatg	attagtttct	cttatgagtt	780
atgcgtcctt	gctctccgaa	ttaatgtttt	ctgggaatga	aaattgatca	aattgactga	840
ctcattgcga	atggaga					857

<210> 354

<211> 1941

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1941)

<223> n = A,T,C or G

<400> 354

catccatcat	caactgtcaa	aatggccaac	cttccccccg	tctacatcgt	ctctaccgcc	60
cgtacgccta	tcggtctttt	ccttggtctt	ttgtcaagcc	agaccgctgt	tcaactgggc	120
tcagtcgcca	tcaaggagc	cgctgagcgt	gccggatatta	agcctgagga	tgctcgacgag	180
gtcttctttt	gcaatgttct	ctctgctggt	gtcggctcagg	gccctgccc	ccaatgtgcc	240
cttggcgctg	gtctccctca	aactgtcatc	gccacaaccg	tgaacaagg	ctgcgcttct	300
tcgctcaagg	ccatcatcct	tggtgcccag	aacatcatgc	tcggcacctc	cgatatcgtc	360
gttgctgggt	gaaccgagtc	catgtccaac	actcctcact	acctcccaa	cctccgaaac	420
gggtgccaa	acggcgacca	gaccctcgtc	gacgggtgtcc	tcaaggacgg	tctgaccgac	480
ttcttcaaga	aggaccacat	gggtatctct	gctgagctct	gtgtcgatga	ccacgaagct	540
naccnngtga	ngcttcagag	acgaagtctc	catcaacttt	acaaaataat	gctgctcctg	600
aggtcggctt	ttgctgaaat	gacactcggt	tcaagcactg	aggaaggccc	agattcgggg	660
caaaacctac	aagtacattg	tcgggtgaacc	tgagggtacc	cctctagaaa	ccatggttct	720
catccatggt	ttcccgatc	ttggttttgg	ctggcgctac	caagttccct	acttcatgtc	780
tctgggattc	cgagtcattg	tccttgatat	ggtggggata	cgcaggcact	gatgccccag	840
agtccctcga	ggagtacaca	tacaagagcc	tctctgcaga	catcaacgag	ctggctcgca	900
agtatgtcgg	cgaaggacgg	acagatcggt	ctcgggtggc	acgattgggg	tggtcatgatc	960
gtctggaagg	tctctacctg	gtaccctgag	ttgatcaagt	gcgtcttcag	tgtctgcaca	1020
ccctacatgc	agcccagaga	aacttctctc	ctctcgaagc	cattatcgca	agcggtcacc	1080
ttctcaactt	tagctacaac	tgcgactcaa	gggtttgact	tcgagccatc	aatactntca	1140
ntcatggcga	actggcnagc	agtataatcc	ctttggaaaa	agggactctc	actcgaacaa	1200
tacgatcctc	acctacaaga	ttctgaccct	tatcacctgg	atcctgtccc	ttgtcgttac	1260
cgtttactat	acccttcacc	gtcccgacga	tggccacact	cgaaaaccga	agatctggga	1320
gcagaaccac	atgtaccgca	ctgctttcac	tctgaaccca	atcatcacct	ccatctactg	1380
gattgtcctc	ttcatcctcc	aggctgggta	catcggacat	cttttctcga	gcaactctga	1440
catcggttac	gctgctgcca	gcgttggaag	ccacttcata	ttcaacaacc	tcttccactt	1500
cgcctttgtc	atgctctttg	ttegctctca	cttccactgg	gctgagggta	tcctgattct	1560
caacttcata	aatcttttct	cgtctacttt	ccgccacaac	acctaccccc	gatttatcca	1620
cactcccgtt	gtttctggac	ctttggcctg	gacttttgtt	gccattactg	gaacggtgct	1680
ctgatgatgc	cgcactctca	caacttgctc	ctcgatatct	tggnaacatc	ttcatctggt	1740
ccatcctcgc	ctaattggact	cttcttcata	atggtttaca	aggattacac	aatgggtttc	1800
tcgctcagcg	tctttgctgc	cgctattgga	gtttcccaat	tccttcacca	gggtgattgcc	1860
ttccagtggg	tctttgcctt	tatcaatatg	gctcttctct	ttatcgccac	tgncgtcggt	1920
gctgccctgc	tgcaacaagc	a				1941

<210> 355

<211> 796

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(796)

<223> n = A,T,C or G

<400> 355

caacaaaagt	cctatttcctc	cgccaccocga	ggatatcggt	aaatcccacc	cttcgattct	60
ccccgcggat	gcagtttggt	cttggtcatt	gtgacttttag	ttgatgatgg	cttcttctat	120
ggcaatgagg	aagttggccc	tcggccctgc	cttcacaagg	gccgccaggt	tccttaccg	180
agctttctct	acaaccgac	ctgtttccc	agttatcact	ggaaaccgcc	cctctacgag	240
ccaaggaggc	ctctccttc	gtgagcaaca	aatacgtgt	ctatccacca	ccaaaatgat	300
gctatcggtg	ttggtgctgg	gggtgcccgt	ctgagagctg	ccttcgagcc	tcgccgagga	360
tggtaaaaaac	actgcctgta	tctacaaact	attgccgacc	cgatctacaa	tgacgtgtct	420
caggggtggca	ttaacgctgc	tctaggtaac	atgcacgaag	acgactggcg	atggcacatg	480
tacgataccg	tcangggttc	gactggctgg	gtgaccaaga	cgctattcac	tacatgaccc	540
gagangcttc	cgttttatta	tcgagctttg	aaactacngg	tggcctttta	cgaactgagg	600
acggnaaagaa	ttaccaacga	gcttttgng	ggcagtccaa	ggagtaccgg	aaagggnggg	660
caagcctacc	gatgcttggc	ttgccgttga	cnaaccgggc	acgccntttt	taaanntttt	720
tacggcnagt	ccttcgcga	caaaaacaac	tatttatng	agtnnttccc	cctcaacctg	780
attttgagg	aagggg					796

<210> 356

<211> 633

<212> DNA

<213> Fusarium venenatum

<400> 356

tttttatttt	cttctactgt	gccgttctgt	tttgtcttgt	tacatcttga	taccccacaa	60
tctccccga	aatgcctatt	acacaactta	gatccgctgg	ccggctggcc	cagcttgctg	120
gacatgtgaa	tggegcacga	cagttctcta	cacgccagc	tctgcgaag	gaacttaaag	180
atgcctatat	tctaagcgt	gccgaactc	ccactgcaa	gttcaatggc	tcgttctgt	240
cagtgtcggc	tcccaagctt	ggcgtgttg	ctatcaagtc	cgccctaaaa	aagtcaaagg	300
tccccgtcga	gaagatcacc	gatgtgtata	tgggcaacgt	cctccagggc	tctgtcggcc	360
aagcgcctgc	gcgacaggct	gccatctttg	ctggtctacc	caaggagggt	gaggcgacaa	420
ctattaacaa	ggtctgcga	tctggactta	aggccgttac	tttggctgct	caaaaaatcc	480
aaatgggtct	ctctgaggct	caaatcgctg	gtggaatgga	aaacatgtcc	caaagtccca	540
tactatgtgt	cgcgggccaa	cgggcctcct	gcctttgggc	cacgtcaaag	atggaggatg	600
ggcctaacaa	aggatgggtt	aaccgatgtg	tac			633

<210> 357

<211> 695

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(695)

<223> n = A,T,C or G

<400> 357

cctcttttca	ccgccttctt	caagcctttc	ccctccagtc	cccgtttgtc	attctactgt	60
ttcctcctct	gttcctacat	ctcaagtcac	accagacaag	aatatcgcca	aatgtcctc	120
ctccgagcag	accttcattg	ctatcaagcc	cgacggtgtc	cagcgtggac	tcgttggccc	180
catcatctct	cgtttcgaga	accgaggctt	caagcttgc	gccatcaagc	ttgtcacccc	240
cggcaaggag	cacctcgaga	agcactacgc	tgacctcgct	ggcaagcctt	tcttcgctgg	300
tctgattgag	tacatgaact	ctggcccat	ctgcgccatg	gtctgggagg	gccgtgacgc	360
cgtcaagact	ggccgttcca	tcctcggtgc	caccaacccc	cttgctctct	ctcccgggtac	420
catccgtggc	gactacgcca	tcgacgtcgg	cgcacagtc	tgccacgggt	ccgactccgt	480

cgagaaacgc	ccagaaagga	gattgctctc	tggttcaagg	acggcgaggt	tgtctcctgg	540
aaagtccgcc	cagttcaact	gggtctacga	aaaggcttaa	atctgtcatt	gatatgacac	600
cctaaatgac	ggaatggaaa	agcacatata	agtgggatga	cttcatctnt	gngggatatat	660
caaaatcaaa	gacaaaatct	tctcaaaaaa	aaaaa			695

<210> 358
 <211> 541
 <212> DNA
 <213> *Fusarium venenatum*

<400> 358						
gtgtgaattt	catgaacctt	caactttgcc	atgcaggcta	atcgaatcag	gttatcaact	60
ctgccgccaa	gaacctctta	cattttctggg	aaggatatcca	gccctgcaaa	catcaccttc	120
cgtgggtccca	atgggttccc	tgtctggtttt	gccgctcacc	actcccagga	atactccgcc	180
tggtagggca	gtattcccgg	tcttaagggtc	gtttctccct	ggaagtgccg	aagatgccaa	240
gggtctcttg	aaggccgcca	tccgtgaccc	caacctgtc	gttgctctcg	agaacgaatt	300
gatgtacggt	cagagcttcc	ccatgtccga	agccgccag	aaggacgact	tcgttattcc	360
cttcggcaag	gccaaagattg	agcgatccgg	caaggacttg	aacatcgtgt	ccctcagccg	420
cactgttggc	caatctctga	ttgccgctga	aaaactcaag	aagaaatacg	gtgttgaagc	480
cgaagtcatc	aacctgcgat	ccatcaagcc	tcttgatgtt	gaaaacatca	tccagtcctg	540
t						541

<210> 359
 <211> 819
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(819)
 <223> n = A,T,C or G

<400> 359						
cagaaaaatga	gtattaactt	aagatctagc	tattcatgat	aaaatcactc	actctcacgt	60
gatacccttc	actccacgcc	acgtgccttc	ataaaatcca	ccatatcgaa	gaaactcttc	120
ttatatcgcc	tctcctgcgt	cgtcctgttc	actgtttgga	tcccaaactg	agcagaataa	180
tctccaaatt	cccaattatc	actgaaagac	cacgcatagg	ctcctataac	ttcaactccg	240
tcttcccaaga	tcgccttgag	agtctcggac	aagaagctca	agtagtagat	gcttcgggggt	300
gtatcaaaca	gctgatcaga	tagctccttc	tctgcctcgc	cgaaaacagg	gaagccaaac	360
tctgttagag	ctacgggggt	tctccatgtg	ttgtgcagat	agttgaggta	gcttcggagg	420
taggtgggtg	tgatgtacac	gtagctgtaa	gaccggtagc	ccgatgttcc	acccgtgacn	480
gtcgtagtag	tttgattgac	gcagtaccgt	ccggaagtag	aagatgagtt	tgatgcgcac	540
ctanaatact	gnccttgncg	tctnggaaca	ngtggngcga	taccgnggca	gtatatggat	600
cgatgccata	aagcagccgn	gcccgcctatg	tacttganac	ttcctcntta	acgggacaaa	660
gtcatcaaaa	gcttttttaa	tgactcgggt	aatcttggcc	aggtanatag	gatgcaaaag	720
ggnccanttg	gatggattga	atgggcccga	acatatcatt	cncctacttt	tngganccga	780
gggaaccnaa	gtnttggtgg	aacttgacnc	aatnttctc			819

<210> 360
 <211> 546
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(546)
 <223> n = A,T,C or G

<400> 360						
ctctggtttc	ccctttgccg	gtgctgatgt	tggaggcttc	ttcggcaacc	ctgagaaaga	60

cctacttgtc	cgtttggtacc	agaccggtgt	gtggtatccc	ttcttccgag	ctcatgcgca	120
cctcgatgcc	cgacgtcgag	agccttatct	cctaggcgag	ccttacactc	agatctcgac	180
cgccgntatc	cgactccgat	acactctcct	gcccgccttg	tacactgcgt	tccacagcgc	240
ggcacaggac	ggaagcccca	ttatccggcc	catgttcttg	acgcacccca	ctgaagaggc	300
tggctttgct	ggtgaggatc	aattcttcgt	tggttcaacc	ggtcttntgg	tgaagccggt	360
cacggagcag	ggcaaggaat	caagttgaca	tctggattcc	tgatgatgaa	atctactatg	420
actactttac	ctacgatgtt	caaaaaacaa	agcaagggca	agcatnttac	agngagcgca	480
ccactagaaa	aaattccatt	ctacttccga	gggggacata	ttattccttg	acgcgacact	540
tcttga						546

<210> 361
 <211> 611
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 361						
aaagagtcac	tgagcatcgt	ccatttttcaa	cccaaaacaa	acaccatcaa	attcacctac	60
gacatcggtg	cccagcatgt	cgatggactt	ggatgaccag	cctatctcca	tagccccctgt	120
cgctcagcag	cagggtgctg	caactattct	gtgctgcaac	tgtggtgccc	cgatcgatgg	180
aactgcatca	tctggcgctc	tctgctatga	ctgcatcaag	ctcactgtcg	acatttccca	240
gggcgctccag	cgagaggcga	cgctcaactt	ctgccgagac	tgcgaccgat	ggctcatgcc	300
ccccaccagt	tggattgtcg	ccgctcccga	atctcgcnaa	ctggttggeac	tgtgcctcaa	360
gaaacttcga	ggactgaaca	aagtcggtat	cgtcgacgct	agtttcatnt	ggaccgaccc	420
cattcgcgaa	gagtcagggt	caagatcacc	attcaagatg	aagtacagga	cgggntgctg	480
ctccaacaaa	ctttcgangn	cgtgtatgtt	gnggcgtacc	aacagtgcc	tgattgngcc	540
aagtcataca	cttgcaacnt	ntggggaacc	cgttntccaa	gtcccccnaa	anggttttta	600
naagcgaaac	n					611

<210> 362
 <211> 434
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

<400> 362						
gaactacccc	ctcagtcgtc	gcttttcgccg	aggatggtga	gcgactcgtc	ggtgtcgctg	60
ccaagcgtea	ggccgctcgtc	aacccagaga	acaccctctt	cgctaccaag	cgattaatag	120
gacgaaagtt	caaggatgct	gaggttcagc	gcgatatcaa	ggaggttctt	acaagatcgt	180
tcagcacacc	aacggagacg	cctgggtcgc	tgccgtggcc	agaactactc	tccctcccag	240
attggtggnt	tcgcctcaac	aagatgaagg	agaccgccga	ggcttacctc	tctaagccca	300
tcaagaacgc	ccgtcgtcac	cgttcccgcc	tacttnaacg	acttntnagc	gacagagcac	360
caanggtgct	ggtcaaattg	gcggcctcaa	cgtncctcgt	ggcgtcaacg	agcctatggc	420
gccgggtttg	ctta					434

<210> 363
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(589)
 <223> n = A,T,C or G

<400> 363
 gnaggaagca gccaaaggctg ccgaggctaa gcgcgccgaa tacaacctgc ctgccgtctc 60
 tggcgctccag cacaagaagt ccgacaaggt tgctaagctt caagatctcg aggaggctgt 120
 tggtgacaac gccgcagana anaacgtgct cttgtccttg acaagacccg aggtttcaag 180
 atgtacaagc gccgtcagga gaagtaccga cctgtcaacg cccgtctcaa ggactgggct 240
 gagctgagtt cccgtcttga ggaggatgag cttaagtacc aatctgctcg ttgtatggat 300
 tgttggtgttc ctttctgtca atctgagact ggctgtccta tctcgaacat cattcccaaa 360
 tggaacgaat tagtcttcca aaaccagtgg aaggatgctc tcaaccgtct cctcatgact 420
 aataacttcc ccgaattcac cggctgtgtc tgccctgctc cttgtgaaag tgcttgtgtt 480
 ctgggttatc aatgaaaacc ctgggtggcat caaaatctat cgagtgttgc aatcatcgac 540
 cgaggtttcc aaaatgggct ggatggggcc tcaacctccc aaggttcgc 589

<210> 364
 <211> 568
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 364
 caacgaggat gttgacaaca actntctcta cactcagccc gaggacattc tcaacatcta 60
 caacaccctc tctcccatct cccctactt ctccatcgcc gctggctttg gcaacgtcca 120
 cgggtgtttac aagcctggca acgtcaagct ccaccccgag cttctcggca agcaccagge 180
 tcatgtcaag gaggccctca agtccgacaa cnacaagcct gtnttntttg tcttccatgg 240
 gggctccggc tcttccaaga aggagtacct cgacgccatc ggctacgggtg ttgtcaagggt 300
 taacgtcgac actgacatgc agttcgcta ctgctctggt atccgagact acatggtcaa 360
 caagcgcgag tacgtcaaca ccaccgtcgg caaccagat ggcgaggaca agcccaacaa 420
 gaagtncttt gaccccgctg tctgggtccg ngagggtgaa aanaccatgt ctaagcgtgt 480
 tgnttgangc tttngangac ttttaacccg ccaaccagnt tntaatgccc ccggaaacac 540
 ctcaanggnt ttaaatagata tncccaat 568

<210> 365
 <211> 630
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 365
 ctttcttggt ggcgaggcca cttcaaagga cgagaggaag cttgtcanaa aattagattt 60
 cttcattctt acctactgtt gtttcagtta cttcttcaac ttcttgatc gctctgcgtt 120
 tgctaatagcc tatgttgctg gtcttctgta gtcactcaac atgagtggcc atgactacaa 180
 caacgttntt tctgtcacta ccgctggaat ggccatcggc caactaccca acggtatcat 240
 catccaaaag gtcaggcctc gcatttggct accttcgatg gttgttttat gggccgccat 300
 gactatgctg agtgctgctg tcacaaacgt cacccaactc tgcgtcatcc gtttcttctt 360
 tggctctcgt gaagccagta catactctgg cgccatgtac atcatcggag catggtacaa 420
 gcctgaggaa atccaaaana naactgcctt gtttgggtgta tctggacaaa tggnacatg 480
 ttcgctggcg tgatgatgac gccattcata agggcatgaa aagaatggct ggactacaag 540
 gttggcagng ggtattcatc atcganggaa tcattactct tnccattggc gctttggggtt 600
 cctctacttc cctgatacac ctgaaaaact 630

<210> 366
 <211> 505
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

<400> 366	
ctccccatttc tcaatccacc tactttcatgc acaccgaccc caagatcttc cctgagccct	60
ccaagtccag gcctgaacga tggatcgaag ctgcagagaa acagattcca ctcaagaagc	120
atatcaccaa cttttctcag ggctcaaggc agtgcacggt ttacacaatg gcctttgctg	180
agatgtatct tgcctctttct cgcattgttc ggggttacga ggttgagctt tatgacacca	240
ccaaagcccg acattgacat gactcacgcc cgcattgttg gctatccnaa ggcaattcag	300
gcaagaccga gcatgttggt gaaattngan tcaaagggtt tcaaagcttt ggaaactaca	360
atcgggactg tcttactatc atgctggata tctcactgaa tcaacgggtg ttctctttgt	420
ncaagttaat ttcggtatgc gaaggatgaa aagttcataa tantnacatt taaatattga	480
aatcaaaagtn cttttatttaa actcg	505

<210> 367
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 367	
gccttgaggg cggcagaaca acctccagag caagatgaag tactccctct ttgtcggcgc	60
ctcggcaggt tccgagacgg agaaccgatg ggctgctctc gacatgatca acagacgaag	120
ccctcaccag gtcggcaagg atattgccaa gggaatcaac tctggacgca tcaacttctt	180
cgacaagcat ctgtccatgt tccccctctga tctcgtttat ggtttctaca ccaaggaccg	240
tcccaacagc aaccttgatg tcaactgttg cgaagctacc gacattctcg angatggcag	300
cttcgtttct ggtgcctctg ttggtgctac tcctgagctg atccaaatgg ccgataagat	360
catcatcgag gtcaacactg ctatccccctc cttcaagggt cccacgatat cacctttacc	420
gactcctccc cagcacact tacaacatca ccgccgttga agacgaatgg tccattcgtc	480
aanatgaccc tccaagtctc ctatctcatt cgatatggga gcacggtcca cccctatgga	540
canactctcc canatgcggc attgataatc tcacacaagt cccaggtnc	589

<210> 368
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 368	
ttcgagaacc aagatattgc tctcctccgc aagccttact ctcttgatgc ctccttctg	60
tctgccattg aggaggatcc ctgggagaa ctgtccgaga caaacgacct cttcaacaag	120
aagctgaact tgaagtgcac acaacccgag cttgagctta tccgcagaac cgccgagctc	180
atcggcacac gagctgcccc cctctcggcc tgtggtgttg ctgctatctg caagaanaan	240
aactaccaat cttgccatgt cggtgctgac ggttcctgat tcaacaagta cccccacttc	300
aaggagcgtg gtgccaaggc tctgcgggag attctcgact ggcccagaaa ggccaacaag	360

aaggacgagg	accctattga	agtcctgact	gctgaggacg	gtagcgggtg	cggcgcccc	420
tgattgccgc	ctgaccttaa	gcgaatcaac	gagggttaaca	tgnggggtat	tcttcccccg	480
agaacttnaa	ataaactcaa	agcgggaatcn	atttaacaaa	ggngngaggg	aaacacaaacn	540
gtttaaaaat	ggaccggaaa	atgganaaaag	gggtgtcttg	natatanccn	gataacacga	600
ngggatctca	nggctacgaa	ng				622

<210> 369

<211> 615

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 369

gtccttacc	ggtgacaacg	atggtctcat	ctacgtgaca	acacgcaccg	acggaggtgg	60
ctgggtcact	gacaaccgac	ctttccaggg	ccaccagagc	agtgttgagg	agttgcagt	120
gtcgcgctcc	gaggcttctg	tatttgctc	tgctcaagt	gacggcaccg	ttcgcatctg	180
ggacgtgcga	tccaagtctc	gcaaggctgc	catcaccatg	caggtgtcaa	atgttgatgt	240
caacgtcatg	tcttggtcgc	gccagcaaac	tcacctctc	gcctccggtg	acgacaacgg	300
tacctggggc	gtgtgggac	tccgccagtg	gaaggccagc	tctgacaagc	cccaggccat	360
cgccagcttc	aacttcaaca	aggagcagat	caccaagtgt	cgaatggatc	ccaccgacga	420
ctctattgtt	gccgttgccg	ccgccgacaa	cactgttacc	ctgtgggac	tgcccgctga	480
gctggatgat	gaggagagca	aggacacagc	cggcgtcaag	gatgtgccgc	cccanctcct	540
gttcgtgcac	tacctgaagg	acgttaagga	ggtacactgg	cacccccata	tcacgggaag	600
cttggctcgcc	acggg					615

<210> 370

<211> 720

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(720)

<223> n = A,T,C or G

<400> 370

aaacaactac	ggctccagca	tcgacaattc	gactctcatt	ctccccacata	gatatctcgt	60
catcgcccac	actcccagat	atcaacaaat	cttatacttg	cagaagtttt	agacgatagg	120
agacttgccg	atttcatcat	gccttccgca	accggctcaa	actgggagaa	gtaccagaag	180
acttttgccg	acgatgaggt	agaagagaag	aagatcacac	ctctaacaga	tgaggatatc	240
caggtcctca	agacctacgg	tcgggcgcct	tatggaacgt	ctatcaagaa	gcttgaaaag	300
caaattaagg	agaaacaaca	aagcgtcgat	ganaagattg	gagtcaagga	atccgacaca	360
ggacttgccg	caccgcatct	atgggatatc	gctgccgac	gccaacgaat	gtccgaagag	420
canccctttc	aagtagctcg	ctgtacgaan	attatcgccg	acgagaaggg	cgatgagtc	480
aagaacaagt	ntgtcatcaa	cgtcaaacag	atcgcaaagt	ttgtcgtaca	gcttganaaa	540
cgggtcaccc	cccgatatc	gaggagggca	tgcggtcg	tgtctatagg	aacaaaagtc	600
agattatgct	ttccgctgcc	cccaagatcc	gacgcgagtg	tacgattatg	cccgtggaaa	660
aaaaagcctg	gcctncccta	cggcgatntt	ggtngttgca	angaacaggt	naaaaaggnn	720

<210> 371

<211> 745

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1) ... (745)

<223> n = A,T,C or G

<400> 371

taaaatcttt	gattttgctt	ctcttttctc	cttttcaatt	gaactcttcc	aagttttattg	60
tcttgctatt	cacaagtgcc	caacatgcag	gcgcgaagac	aactaatcac	atcaacgcag	120
cgcatggctg	ctagtgtccc	ggctcgatca	gtccggccac	ttacacgagt	aatcgcaaca	180
caaccttta	gaccaacatc	ccttcgctta	ataccaagca	ttgcagtcag	gacatatgcc	240
aatggccgac	ctcatcctcc	aggcggtact	caccgcatga	atatgggtgg	tgatgaggag	300
aaacctgtct	tggacaatt	tgggtgtcgc	ctgactgtct	gagccaaaga	cggcaagctg	360
gatccagtta	ttggcagaga	tgccgagatt	cagcgaacga	tccaaatttt	gtcgagacgt	420
accaagaata	acccagttct	catcggtaat	gcagggaactg	gaaagacagc	aattcttgag	480
ggccttgcc	tctgtattgt	cgtggcgacg	tncccgaaag	tgtcaagaac	aagagggtca	540
tcagtcttga	tctcgnttcc	ttaatcgccg	ggccaaagtt	taaaggagat	ttcgaagaga	600
gactgaagaa	ggtctttgac	agaagnggag	canggccgaa	gggagaagta	attctattca	660
tcgatgagtt	acacaccctc	ttgggccttn	gnaaagggtg	aaggttcctt	cgatgccttn	720
aaccttttga	anctgntttt	acttg				745

<210> 372

<211> 735

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (735)

<223> n = A,T,C or G

<400> 372

cttcatctcc	cttttctccc	ccttcttccc	ttcttctcca	accacaactt	tccaactatt	60
tcgctgcttg	aaacccaaca	gtcattgcga	cacttgaatt	ccaccactct	tgacagcaca	120
cttaccgcct	ccacaacaac	catcacgcgc	aacatgcgca	gcaaattcaa	ggacgagcac	180
cctttcgaga	agcgcaaggc	tgaggccgag	cgcattccgc	agaaatacgc	tgaccgtatt	240
ccggttatct	gcgagaaggt	cgagaagagc	gatattcgca	ccatcgacaa	gaagaagtac	300
ctggttctct	ccgatctgac	cgtcggccag	ttcgtctacg	tcattcgcaa	gcgaatcaag	360
ctatcccccg	agaaggctat	cttcatcttc	gtcgcgcaag	gttcttcccc	aaacagctgc	420
cctgatgagc	agcattttac	aggagcacaa	ggatgaaggga	cgggttccta	tacatcacct	480
actccggcga	gaataccttt	ggcgaaacgt	aaggccgatg	atgcaggatc	ggtttatctt	540
ccaagtctng	aatgacgaag	gcgttacggg	cgtatttttg	gtgaatgttt	tgatggncac	600
ttgncatgtt	cttatcaact	ttccggggcc	aaaaaacccg	actcgaataa	aatgcttaat	660
ggcccattat	gggaacaata	catccttcgg	ngttgnccca	tagggcacca	ccacntnttg	720
taccnccaaa	aaaaa					735

<210> 373

<211> 593

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (593)

<223> n = A,T,C or G

<400> 373

agatccacca	cgagtcagca	gcccgtattg	gagtgtctcg	gtccggctga	anaaagtcgt	60
tggtaggggt	atgttggtaaa	ggtaagggtgc	ggttcgtcac	gtcgtcctgc	attcgctaatt	120
agtcgaactc	aagangggcg	tctttagctc	tcgaattcga	ngggcaatat	agtcgttcga	180
acgcagatgg	tatagaggcc	gcgagcacgt	actggcattc	atatatccan	acaaatagtt	240
tcattggtcg	gaacgacaat	tagtaagccc	anatttttaag	caaagaatcc	catgatcctg	300
tgacacaggct	tgtaccgtna	ttgctcactc	ccaagcagct	gacacggttc	tngtggccaa	360

ccagagagcc	aaccttttca	cctnggggtga	tatcccagac	cttgactca	aagtcnat	420
aaccggcgaa	aaggagaccg	ccccacacaa	aagtagcgac	ggaagtgata	ccgcaanaa	480
tggactccna	ccgtagagg	gtgagctcgc	catccccacn	gatattaaaa	agtcgacaag	540
taccatngtc	ggaccggtaa	cnaaagagtg	gccatcangg	aaaaactgga	tgg	593

<210> 374
 <211> 601
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 374	
cacaagggtca	acgggtgttgc agagctgcat tcagatctca taaagaccac aatcttcaaa 60
gacttcgctcg	aaaatctatg gtccagacaa gttcattaat gtcaccaacg gcatcactcc 120
tcgcccgttgg	ctccaccaag ccaaccctcg gctttcggag ctcatcgctt ccaagggttgg 180
aggcaacgggt	ttcctcaagg atcttacaca ccttaaccaa ctcgagaagt atgccgaaga 240
caaagagttc	cgaaaggaat ggtcggagat caagtacgcc aacaagggtcc gactcgctaa 300
gtcatcaag	tctaccgtgg gtgtcactgt gaatccttcc gcgttggtcg atgtccaagt 360
caagcgaatc	cacgagtaca agcgcagca gctcaacatc tttggcgtaa ttcaccgata 420
cctttacctt	aagtctctat ctcccgaaga gcgtaagaag gtcgtccctc gtgtttccat 480
ctttggaggc	aaagctgcac cgggctattg gatggcgaan cagaatattc atctagtcaa 540
tgctgtcggg	ctccgtagtt aaacaacgaa ngaggatatt ggtgacctc tcaaagggtga 600
t	601

<210> 375
 <211> 794
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(794)
 <223> n = A,T,C or G

<400> 375	
gctctagata	ccctcaaccc cccgacatca acaccacagc cggcaggatg aagtacattc 60
actcccagga	gcttctcgag atccccgagg gggtcaagggt tgccattaag tcgcgaattg 120
tcactgtcga	gggtccctgc ggcaagctgg tcaagggatc tcagccactt ggccgtcaac 180
ttcaccagca	ccaagaagaa ccagatctcc atcgagatcc accacgggtg ccgcaagaac 240
gtcgctaccc	tccgaactgt ccgaaccctt atcaacaacc tgatcattgg tgtcaccaag 300
ggcttcaagt	acaagatgcg atacgtctac gccatttcc ccatcaacgt caacgtctcc 360
cagaactccg	agaccgactt gtacgagggt gagatccgaa acttcatcgg cgagaagctc 420
gtccgccgaa	ttgtcatgca ccccggtgtt gatgttgagg cttccaccac ccagaaggat 480
gagcttgtcc	tctctggtaa ctctcttgag aacgtttcgc aaagtgtgc cgatatccag 540
cagatctgcc	gggtgcgaaa caaggatatc cgaaagtctt tggatgggtc gtaccgtctt 600
ccgagaaggg	caacgttgtc caggatgaat aaacgcgaac acggacaccg gatcttggtt 660
cttttggcgt	ttctgggtct caggagtggc gaaagggttca tcttgcatgt catgtagcaa 720
aaaagaaagg	gctaccaaac aaaatttcaa aaagcaaaag agatgatgaa ttttggtggc 780
ccgananaaa	aaaa 794

<210> 376
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 376
 gcttatccat gccaccttaa ctatcgcaat cctctacttt ctcaaacaac ccccgtttta 60
 aaccttttagc cttgcttaaat caatatgctt tcttttatcc tcattcaaaa ccgacagggc 120
 aagactcgtc tcgccaaatg gtatgccctt tttagtgcag agcaaaagat caagctcang 180
 ggcgaagtc accgtctcgt tgcgccccgc gatcaaaaat accagtccaa ctttgctgag 240
 ttccgcaaca acaagatcgt ctaccgccgc tacgcgggtc tnttnttctg cgcttgcgtc 300
 gacacaaacg ataacgagct ggcatctctn gaggtatttc acttcttcgt cgaagttctc 360
 gatgcctttt tcgaaatgt ctgcgagctt gacctgtct tcaacttcta caaggtctat 420
 gccatcctcg acgaggtgtt cctagcgggc gagatogaag agacgagtaa agcnggttgt 480
 gctcacgng gtggagcatc tcgacaaatt aaaataaacc cgcncctcca cgtttgagg 540
 ctcgaaaaaa tatgaaaata accaaggccn tttttntttt tttttttttt ccccgcatat 600
 caaaagtgga atttggtatc aatataa 627

<210> 377
 <211> 646
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(646)
 <223> n = A,T,C or G

<400> 377
 ggccccgga gcaactcaaga ctgtacataa ttttcaacac gactacaacc ttcaataatc 60
 atatccgggt cgcttcagta tcttcaaaat gtcattcggt ggccaaacgc caacgattat 120
 cgtcctcaag gaaggaaccg atactttctca aggaaaggga caaatcatct ccaacatcaa 180
 tgctgtctc gctgttcagg ctaccatcaa gtccaccctg ggtccctacg gcggtgacct 240
 tttgatggtt gatgagaatg gccgccagac tattaccaac gatggtgcta ccgtcatgaa 300
 gcttctcgat attgtccatc ccgcccgcag aattctcggc gatatcgccc ggtcgcaaga 360
 cgccgaagtc ggtgatggaa caacatcagt cgttgtgtct gccggtgaga tcttcaagga 420
 gggttaaggag cacgtcgagc aaggcgtag ctctcagatc atcattaagg gcctgcgaag 480
 ggcgtctcaa atggcaagtc aacaagatca anggaaattg gcatcagcac gaatgangct 540
 aaccaagcgt gatactctca tcaagctggc tggcactggc atgaccaaga agctatcaag 600
 cgaaacattc tttttaccaa atgntgcatg ctgttttctg tcgatn 646

<210> 378
 <211> 639
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 378
 gatcaagatt atcagcccag caatgttact ctatccctcg gaaacgacga tcaaggtctc 60
 tggggcatgt ctgccatggt ggctgccgag ttggcatctt ccaaccctcc ttcanatcag 120
 cctggctggc tagctctcgc tcaagctggt ttcaacactc aagccaatcc tgaccgacac 180
 gacgatactt gcggtggtgg tctccgatgg cagatccctc gaacaaacaa cggttacgat 240
 tacaagaaca gtatcgccaa cggttggttc ttcaacctgg gtgcccact tgctcgatac 300
 acgggcaaca agacctatgc cgactgggct ganaagacat gggactggat tgaggcggtt 360
 gggttctctt accccaccag ttataagatt tatgatggcg gtcacgtcgg aaagaactgt 420
 cccgatatca acaaggccca gttcttctac aactccggtg tctttcttca gggcgcttgc 480
 ctttatgtac aacccaccg atggctcgca aaagtgggaa ccaccctcg aataagttgg 540

gtgatgcccc atctnaaact tntttcctaa agacattggt gttgaaatcc ctgggaaaac	600
cacnacactt gcctaaaana tgtcttcttt aagggtctac	639

<210> 379
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 379	
ctgactttga cctgccgcct cgacgcaggc ttgataaatc atcatggcga tccactacct	60
tattctccta tctcgccaag gcaaagtgcg ccttgccaaa tggttctcaa ccctctcacc	120
caaggataag gccaaagatcg tcaaggatgt ttcccagctt gtgctcgctc gtagaacgcg	180
catgtgcaac ttctctgaat acaaggatac caagatcgtc taccgccgat atgcatcgct	240
tttcttcata gccggctgct cctccgatga caacgagctg atcacccctcg agattattca	300
ccgatacgtc gaacagatgg ataaatacta tggcaatgtg tgcgagcttg atattatctt	360
ctccttcacc aaagcatact atattctcga cgaaatcctt ctcgcgggcg agctgcaaga	420
gacgagcaaa aagaacattc ttcgctgcat cggtcagcaa gactctcttg aagatatgga	480
agtcgaggan gaaattacca agattatgtt naattcccca caatcttggt attgctgtcc	540
ggcactaatt cnaactcnct cncgaaacat cagatgaaac cgtccaantt	590

<210> 380
 <211> 654
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(654)
 <223> n = A,T,C or G

<400> 380	
ccaaaactga acaaaccatc acaatggctg ataaagaacc tacacctgcc gagaccgctg	60
ccgctacggc caaggaggcc gaggagcagg ctgctcttcc ctacaagtgg actcagacca	120
tcgctgagct caacgtcacc tttgacgtgc ccggaaacct caagtcgagg gatttcgtca	180
ttaccatcaa gaagatgagc ctacaggcgg gtatcaaggg tcaggatcca atcatccagg	240
gcatctccc tcaagccgtc cacgttgacg attccacctg gactcttagc accaactcag	300
atggcaccaa gactgtcgag atccatctcg acaaggccaa caagatggaa tgggtggcctc	360
acgttgtcac ttctgctccc aagatcgacg tgaccaagat ccagcccgcac aactctaagc	420
tgtccgatct cgacggcgaa acccgcgcca tgggtganaa natgatgttc gaccagcagc	480
agaaggagaa nggtctaccc agctntgaca acaaaacaag ggggacatnc tcaanaagtt	540
ncaggcgcn gaccccgaga tggactttta gcaaggccaa gatccagtga acaaaaaaag	600
ttttttatgc ctaaaattat attaaaaaag aaaacgttcg tttnttgtgc gggg	654

<210> 381
 <211> 543
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(543)
 <223> n = A,T,C or G

<400> 381	
gacgagaacc gacgacttgg tgcccagacc ggtgcatcag acattaaggc gcatccattc	60

tttagaacga	cacaatgggc	actgattcga	cacatgaagc	caccgattgt	tccccatgcc	120
ggacgagag	ttgataccgt	caacttccga	aacgtgaagg	agagcgagag	tgctcgacctt	180
tcaggatcaa	gggcgatgaa	cctaaaggga	gtacctttgg	acagtgggtct	agctactcct	240
ggcggtgaaa	ttcccgaccc	attccttgag	tttaacagtg	tcaccttgca	tcatgatggg	300
gatgatgatc	accaccgctg	atthttgaaat	accgacttct	atthtaggaag	ttcgggacac	360
tgctgttatc	ggttgacctc	gatcattaat	tggacatgtc	gtcgtacgta	tacgcatggg	420
tttacgatct	gaaattcttg	caatggggcg	tctttttttg	ctttttttcc	catcactcca	480
cacacttgac	actccttang	acntctgctg	cttanaangg	aaggaagaaa	aaatcgagaa	540
att						543

<210> 382
 <211> 522
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(522)
 <223> n = A,T,C or G

<400> 382						
aggagattga	gaagctcaag	cacgacccca	atgtcgagta	cattgagcag	gatgctgtca	60
tcaccatcaa	ggctactgtc	gatcaggaca	atgtctcctt	gggtatcgcc	cgtctttcca	120
gctccaagcc	cggtagcaag	acctacacct	acgacgagag	cgctgggtgag	ggtagcttgc	180
cttacgtcat	tgacaccggg	atcgatgttg	agcatcccga	ctttgatgga	cgcgccaagt	240
tcctcaagaa	ctttgctggg	ggcgtgatg	gcgacgggtc	aggtcacggg	acccacgctg	300
ctggaactat	cggtctctacc	acctacgggtg	tcgccaagaa	gccacccttt	acgcccgtcaa	360
aggtcttggt	gatgacgggt	cagnaccaac	tnttgctgta	attgtggcat	ggactttgnc	420
gctggcacnc	cgatccgaaa	ctgcccacac	gnccgttgtn	aacatgtttt	tggnggggaa	480
actccatgct	gnaaagcgct	gcaaaacatt	gnangtggct	gt		522

<210> 383
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 383						
acatattcaa	ttcccacccat	gatgaggtct	tcgcgatctc	tcgctgcgtc	aactcgccag	60
ctaagatctg	ccttttaaaat	ccaacctcat	actctcccaa	aaccatcatg	tcttggttctc	120
ggaactcgca	agcttcaactg	ctctacgatc	cgggaagtgcg	gcgtgggttc	taaccacagcc	180
atgtccttcc	cctgccttga	tgccctagaa	tcacgctctg	cgaaactcac	agacgacgat	240
accgaaccct	cttatacatc	cggcgcgact	ctaaattacc	accacaagga	acctttcttc	300
tcgactgggg	tggtattcta	ccagagttca	acatcgctta	cganacgtgg	ggtagagctca	360
acgccgacaa	gtccaacgct	attctattac	acaccggcct	atccgcctcg	tcgcatgcgc	420
attctacaga	aacaaaccca	agccaggatg	gtgggaaaag	tcattggaac	tggtgggtcct	480
cttgatacga	acaagtacca	cgttatctgc	acaaatgtca	tcngcggttg	caatgggttct	540
acaggaccag	taacgtcnat	nctggaaatg	gtgaacgcta	cgccactang		590

<210> 384
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(624)
 <223> n = A,T,C or G

<400> 384
 cgccttcatc atgtctacca acgacgaccc taaatacgac gacatcgggt ccgagtctga 60
 ctctggagag tctgtcggcc acaacgaggc tgccgatgag aagcctctca agtcgggtct 120
 caagaagtcc aaccagctcg tcgccgagcc cgccactcaa aaacctctc tgccctccca 180
 aaccgacccc aaagacctcg atgtcgccag cttgactcct ttgacggccg agattatcgc 240
 ccgacaagcc acaatcaaca tcggtactat tggccatgtc gctcacggaa agtccaccgt 300
 cgtcaaggct atctctggtg tccagactgt tcgtttcaag aacgagctga tccgaaacat 360
 taccatcaag ttgggttacg ccaacgccaa gatctacaag tgtgataacc aagcttgccc 420
 tcgacctgga tgctaccgaa gttacaagag tgataaggag ggtgaccctt cttgtgaacg 480
 agatggatgt ggcggtactt atagactatt gcgacacgtc tnattcggcg attgncctgg 540
 tcacgatatt ctcatgagta ctatggtggc aggagctgnt ggcatggacg ccggcctttt 600
 cttatcgggtg gnaacgaanc ttgg 624

<210> 385
 <211> 1088
 <212> DNA
 <213> Fusarium venenatum

<400> 385
 gcaacagcgc cgtactcgga ggctgggtctg gtatccagta cgttcccgac tttacctctt 60
 catccaccag cattttcaag attgccaccg ctatcaaggg cgagggctgc actcctggag 120
 ctatgtgctc ttacgcctgc cctgctggtt accaaaagac ccaatggccc tccgctcagg 180
 gtgccgataa ggagtctggt gggtggtcttt actgtaacga gaacggcaag ctcgagctga 240
 cccgtgagga cttcgacact ctttgcatg ctgggtgttg tgggtgtctc atccagaacg 300
 acctcgacga ggatgtcgtc acttgccgaa ctgattaccg cggaactgag aacatggtca 360
 tccccgctct tgccagcgct ggtagctccg tcaacatctg caaccctgcc caggacaagt 420
 actatgtctg ggatggctct ggccacctctg ctcatgacta tgtcaacaag aagggctaca 480
 gcattgagga cgcttgtggt tgggacaacc ccaagggcaa ggacgctggc aactggtctc 540
 ctgttgtcct cgggtgtcggc caagctgccc atggcaacac ctacatctct atcttccaga 600
 acctgcctac tagcactgca ttgctcgatt tcaacattga gatcaaggga gatgttaaca 660
 ctaagtgtct ttacgttaat ggaaagtggg gcgagggcgg atctggctgc actaccacca 720
 tccccagggt tggcaaggct gttatccgat acttctaaac aaaagtaatt tttacttgtc 780
 gagtaagatg tgcgttttgg aacttctttg tcaatattct ggggtggcaga gctcaaggcc 840
 tttcggctgc aggtcacgga cgaacccgag tagcggaata tccggctgct cgcacgagcg 900
 aagctcccc cttttgagct gggttaaaata ttttaagtgc tgtctggata acgaaaagga 960
 ccgatatattg atttgatggc cgatcttggg tgtctttttg atgtcgggtc ttttgccacc 1020
 cgtacttgtt tttgcaatt attttcatac cgtcagcacc tacttataca ttgcattttt 1080
 ggattggg 1088

<210> 386
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 386
 ctcttttacc ctcaacttct ccaaggggtgc atcacaagtc atcggccaat actaccagct 60
 catccgcctc ggcaagcacg gttaccgcgc catcatgagt aacctcaccg gaacagcaga 120
 ctacctgaca gaaacactag agaacttagg ttctgctcat atgtcagaac gttcaggcgc 180
 tgggtctcccc ctcggttgctt tccgcttcaa gaccaccgac gagggcgggc accctgaccg 240
 ttactacgac nagttcgccc ttgctcacca cctgcgctct cgaggctggg ttgtccctgc 300
 ttacaccatg gctcccaatt ctgggtgtaa gatgttgctg gttgttgtcc gagangactt 360
 taaaaagagt cgatgtgacc agcttatctg cgatgtcaag ctgtgccatg gtcttcttaa 420

[illegible][illegible][illegible][illegible][illegible]

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cgatctattc	cacgtctttg	gctaacgccc	ctcgttgtaa	tcactactac	ctttaacttc	60
ttaatcaaca	accacattc	acaatggctg	gcggcgatct	caagaagggg	gccaacctct	120
tcaagacccg	atgtgctcag	tgccacactg	ttgagaagga	cggcggcaac	aagattggac	180
ctgctctgca	cgggtctcttc	ggccgcaaga	gtggtaccgt	cgatggttac	tcttacaccg	240
atgccaaaca	gcagaagggg	gttgagtnng	aacgacaaga	ccctctttga	ctacctcgag	300
aacccaaga	agtacatccc	cggtagccaag	atggccttcg	gtggcctgaa	gaaggagaag	360
gaccgcaacg	acctcattgc	ctacctcaag	gactctacca	aataagcgac	tacaaatcgc	420
gtgtaatgtt	acgactttcg	atagatggga	accgccaagg	ggcgactgta	ctatagattt	480
ttacacaagc	acttggttaag	acatgccacg	tgettaccga	ttcctatctc	ctctttatgc	540
gtctccgtcc	gatacacttt	ttttaaagaa	aagcccgccg	ttggacgagg	caaacgggaa	600
tgaacatgag	acattagaac	atgagatgtc	cgcctctctg	cattcagaga	ttattgtttt	660
attatgatta	gacagagatt	aaaagcttct	cgaattctca	cctnttaccg	caaaaaaaaa	720
aa						722

<210> 390
 <211> 755
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(755)
 <223> n = A,T,C or G

<400> 390						
ctcgacacgg	cagatcgctc	attcccctcc	ggcatcacga	caaccgcaat	catgagcgcc	60
accaactccg	ttcagtgtct	cggtaagaag	aagacggcta	ctgctgtcgc	ccactgcaag	120
gccggttaag	gtctcatcaa	ggtcaacgga	cgtcccctcc	agctcgtcca	gcctgagatc	180
ctccgcttca	aggtctacga	gcctctctcc	gttggtggcc	tcgacaagtt	cgccaacatt	240
gacatcagag	tgaggggtcac	gggaggaggt	catgtctccc	aggtttacgc	tatccgacaa	300
gctatcgcca	agtcctgtgt	tgcctactac	cagaagttcg	tcgatgagca	ctccaagaac	360
ctcttgaagc	aggtctctgt	ccagttcgac	cgaacccttc	tcgttgccga	caaccgccgg	420
tgcgaagccc	aagaagttcg	gtggtcccgg	tggccgtgcc	cgcctttcag	aagtcttacc	480
gttaaacggt	tcaagatgtt	tgtcgggatg	gggcacaaaa	gcgtcgagtc	gganogatgt	540
tgcagtggag	gatacaacgg	gcagtgcnaa	aaaggaaccg	gagtcacaaa	tttccctggn	600
tttgggaatg	ggttacctat	tgacatttgg	catggccttg	cttttggcgg	attgtacagg	660
atctggcagg	caaatgaaat	ctttcaagtt	aactatgcgg	ctcacgctgt	aatggttgtg	720
atgtcaatga	actgtcctcc	cgtggacttg	ctccg			755

<210> 391
 <211> 281
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(281)
 <223> n = A,T,C or G

<400> 391						
ctggnctctt	taccgtcaca	tgccttattc	ttttccttat	gaaccttatt	ccaggactac	60
gcctacgtgt	cgacggggag	gctgaaattc	agggcatcga	cgacgctgag	attggagagt	120
ttgcctatga	ttatgtcgag	ctcacccgag	aagttgtcag	cgacatggac	aacgagtcgt	180
gaagccgata	ctcagctgat	cctacggcgt	tccaacacta	cgagaagaac	catatnccca	240
tgatcgatgc	tcgnatgnnt	ggtggccaac	ctgnccatgc	t		281

<210> 392
 <211> 705
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

<400> 392
 ctgggttgac caagcccgtg tccccgaccc tgaggccaag aagcccgagg actgggatga 60
 ggaagccccc ttcgagatag ttgacgaaga ggccaccaag cctgaggact ggctcgagga 120
 cgaggccggt accattcccc accccgaggc tgagaagcct gatgactggg atgacgagga 180
 ggatggtgat tggattgcac ccactgttcc caaccccaag tgtgccgatg cctctggctg 240
 tggcccctgg actcagccca tgaagcgcaa ccctgactac aagggcaagt ggaccgcgcc 300
 ttacgtcnga gaaccctgca tacaagggca cctgggctcc ccgcaagatc aagaacccca 360
 actactttga ggacaagacc cctgccaact tttgagccca tgggagctat tggcttcgag 420
 atctggacta tgcaaaacga catcctcttc tgacaacatc tacatcggtc actccatttg 480
 gaagatgcc acaagcttcg ccgaagagaa cttttggtgt caagcaccct tgttgagaaa 540
 ggcttcgct gaaggccgat aggcccaagc aggaaggaca agnccccgat cttctaacga 600
 acttgaactt natggangga tcctnttcat ttcaattacc cgagnaaaat tgaccttttt 660
 aaagggcant tgttggccaa gnaccccatc tcangntttt taaan 705

<210> 393
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 393
 gccatnccgt acttcaacaa cgcacacggt gttaatgtcc cccgtcgacg attcttgccc 60
 gtcaagacct gctctgacct catgcttgtc aagtctgac tctacacatt gaagcaoggc 120
 cagcttcaaa tgagcgccgc ccgcttcggt gacgccccct tgattaagct tgggtggtgat 180
 ttcaagaagg tctcagactt ccagaagcga atccccctca tcccccaagg gttggagctg 240
 gaccacctac catcactggt gccgtcaacc tcggccgctg tgtgacgctc aagggcaccg 300
 ttatcatcgt tgccacagaa ggcagcacta tcgacatccc acctggatct atccttgaga 360
 acgttgcgt gcagggtagc ttgcgtctgc ttgagcatta aagtgggggc atgttggaat 420
 ttgtgcgcct atgtcgcgca tgttggtctc ngagttccat tgncaanggc ttttgaagtg 480
 gatangataa ggngngngata cattggtaga catttttaag caaatttttg anggaaaagg 540
 atatttntgc tatngcattg gangaatggc ttccgcgtca ngnggggggt naagggaggt 600
 cgnaattcta nccgtcgactt tttacgcttn gg 632

<210> 394
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 394
 gagaccctgg gcggagtttt tacgagactt atcaaccgta ataccactat tcctaccaag 60
 aagttccaag tcttctccac cgccgccgat ttccagaccg ccgtcgagat caaggtctac 120
 cagggtgagc gtgagctcgt caaggataac aagcttcttg gaaacttcca gcttggtggt 180
 atccctcctg cccaccgtgg tgttcctcaa gtccaggtta cctttgacat tgacgccgac 240
 tccattgtcc acgttcacgc caaggacaag tccaccaaca aggaccagtc tattaccatt 300
 gcttccggtt ccggtctctc tgagagcgag attgagcaga tgggtgagga ctctgagaag 360

ctctngtgct acaaggactc tacaaaaatt caattcaccc cnaaggtncc cc

592

<210> 400

<211> 618

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(618)

<223> n = A,T,C or G

<400> 400

tgacaggaga	atcagaagcc	aagcacgttc	aattctctgg	cctggaagct	tacggtgcat	60
caatcccat	caaaaaagct	attgacccc	aaggcgatgt	gatactcgcc	tatggaatga	120
acggccaggc	gcttcgcgc	gatcatggat	tcccattacg	tgcgattgtt	ccaggacatg	180
ttgctgcgcg	gtcagtgaat	tggttgaacc	atgtcacact	cagtgatgaa	gagagcacat	240
ctcaatggca	gcgacgcgat	tacaagtgtc	ttggaccaa	ccaaacacag	gtagactggg	300
ataccgcacc	ttctatccag	gaaatgcctg	tccagagtgc	tataacgact	tgcaaacttg	360
gtgattgggc	gaagagcaat	gatacttatg	ccaagcctgc	ttcattgaca	ggctatgcat	420
actcgggcgc	cgcccggtgc	atagtcgcgc	ttgatattct	tgagacaaac	ggcaagactt	480
ggctccaggc	ttccatcatt	cccgatgtgt	cgacgaaaga	nggtgaacaa	tctccctgct	540
ttggtcacgc	cgctctgggt	tggtgaagat	ggaagttcga	tggtacgtgc	cgntgagcgc	600
tttcgagaca	tcagagcn					618

<210> 401

<211> 584

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(584)

<223> n = A,T,C or G

<400> 401

caaactacca	acaaaacacc	acatctttca	acaacaatgc	ctcgataaaa	gaagaaaggt	60
caggccggtg	cctccaagaa	ctacgttacc	cgaaatcagg	cgattcggaa	actacagatt	120
agccttcccg	acttccgaaa	gctatgcatt	tggaaggga	tctaccctcg	cgagccccga	180
agcagaaa	agtttccaag	tcactacca	gctcgaccac	cttttactac	accaaggaca	240
tccagtacct	gctccatgag	cctctgcttc	agaagttccg	cgaccagaag	gttctcgaga	300
agaagatctc	tcgtgcgctc	ggctgaagag	atgtcnctga	tgccgctcgt	ctcgaaggta	360
acgtctgcgc	ccctgagaan	atggaaagcc	tcgtacact	cttgatcatg	tctccgcgag	420
cgctatccta	ccttcatcga	tgctatccgc	gatctcgang	actgtctgtc	aatgctcttc	480
ctcttcgcca	atctgccttc	aacaagctca	gtcctgctaa	gangatgcc	gttggaacgc	540
ctctgctcaa	ttccacacta	tcttatgtnt	caagaactcn	caat		584

<210> 402

<211> 587

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(587)

<223> n = A,T,C or G

<400> 402

cttatctgga	tcgttgggtga	atagctgag	aagatcaaca	atgcagatga	gatcttggag	60
agctttgtcg	agtctttcat	ggaagagttc	acacagacac	aattgcaa	attgacagct	120

gtggtgaagc	tattcttgaa	aaagcctggc	agtagccaaa	atctggttca	aaaggttctt	180
caggcagcta	cagcggagaa	cgataacccc	gatatccgcg	atagggcata	tgtgtactgg	240
cgtcttcttt	cctcggaccc	cgaagttgcc	aagagcattg	tcctatccca	aaagcctacc	300
atcacaacta	cgatgacaag	tcttccaccc	gctctcttgg	agcagctcct	taccgaactt	360
tctactcttg	cttcagtcta	ccacaagcct	ccagantcat	tcgttggcaa	nggtcgcttc	420
ggtgccgacg	anatccagcg	agctgctatc	caggagcagc	gacaaaacgc	tgccgaaaac	480
cctatcgccg	cttcagtggc	cactgcttca	cccaacgggt	ctggcggtgc	tgcacagaa	540
aacattgana	acttgctcga	cattgatttc	gatggtgccc	cgctcgc		587

<210> 403
 <211> 514
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(514)
 <223> n = A,T,C or G

<400> 403						
ctaccatcta	gccaagatga	gtggaaacca	ggttctagtc	tgccgaccct	ccaacgtcgc	60
cgtggatcag	ctttgcgagc	gcgtccaccg	cactgggctc	aagggtggtc	gtctcacagc	120
caaatcccg	gaggatgtcg	aatcgtctgt	tagcttcttg	gctctccatg	aacagggtccg	180
tatgtcggag	cacaacagcg	agctcgtcaa	gctctcgcag	ctcaagaacg	agctgggtga	240
gctttcaagt	caggatgaga	aaaagtacaa	gcaactcacc	aagattgccg	agcgtgacat	300
tctcaacaat	gccgacgttg	tctgctgcac	ttgtgtgggt	gctgggtgatc	cccgctgtc	360
caagatgaaa	gttcagaaac	gttctgatcg	accagtaact	caatcaagca	gagcccaggt	420
gttgatcccc	ttcgtcttcg	atgcaacagg	tggccttgtg	gtgacacaag	cacttggtct	480
ggcatcatga	caanaagntt	gccaaggccg	gcnt			514

<210> 404
 <211> 678
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

<400> 404						
nggggaaatg	atgcccatctt	tcttctnttt	accananaag	atctgagaga	gcgctttggt	60
gatctcaacc	ccgatgatcc	tgaaggctctg	ggtcatgctg	ttatgggtca	aggcgcttct	120
atcaacattc	gttcgagcgg	atgtttcggg	ggtcacgggc	taacaatgtc	cgctacaaac	180
tacatcgga	tccttcaatc	catcctctca	aacgatggaa	agctcctcaa	gcctgaaact	240
gtagacgaca	tgtttcagaa	tcctctcagt	cccgagcag	ccgctggtca	tcaagtcagt	300
ctggcaagcc	ctatgggtcc	tttcttcagg	gttgggaattg	atgagaatac	caaacttggtg	360
catggtcttg	gaggtgctgt	gacgcttgag	gatatagacg	ggtggtatgg	tgctcacaca	420
atgagttggg	ggggagggtt	gactttgact	tggtttattg	accgaaaaga	atgatatttg	480
gtgccattgg	agctattttg	gctgctctac	ctctggatga	cgtggttacc	caaaacagcc	540
tcagacttga	angatgttat	taggaaggac	gtctatcnta	aatacgctga	ttggaaagag	600
ggtaaccagt	gatggtgtca	gatcanngtg	gatacggaaa	tggtccgaca	attaattttc	660
tctacttntt	naaacatg					678

<210> 405
 <211> 685
 <212> DNA
 <213> Fusarium venenatum

<220>

ccattaggcg tcatggaaga cnaccttgcg aaatgaatac cacattgaac atttaacttc 600
cg 602

<210> 408
<211> 496
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 408
acgaaccgag attcaactta tttctttgcg acattttgcg cccccaacgc ctacttttct 60
ctcttctttc gaccttttct tctctctttt ttttttttaa ttaaaccaca cacacatcac 120
acgattcgat acaatgcctg ctctttgtgg aggatccaag accgttcagc gaaagctggt 180
tctactagggt gatggtgctt gcggaaagac atcattgctc aacgtcttta ctaggaggta 240
cttcccaacg gtttacgaac ctaccgtttt cgagaattac gttcacgaca tctttgttga 300
caatgtccac atcgaactct ctctctggga cacagccggc caagaagaat tcgaccgatt 360
acgatccctt tcctacgatg acacagatct catcatgctc tgctactcag tcgacagcaa 420
agaccactcg aaaacgtaga atccaaatgg gttngcgaaa tcgccgacac tgcccaggca 480
caaaactcgt cctcgt 496

<210> 409
<211> 929
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(929)
<223> n = A,T,C or G

<400> 409
ctatccatct ccaaaagggtc caacagactc aaaccgccat catgcttata tacaagggtac 60
gatcccgcca ctagggcctt tgetttttat tatcttcagg ctctatcttc atctccctct 120
gctgtgctcc tctggtgcca gtcttttcta ctctcgcgc ttggttgtgg tatccatctc 180
caaaagggtc aacagactca aaccgccatc atgcttatct acaaggacat cctcaacggt 240
gacgagctca tctccgactc ctacgacctc aaggaggctg atggcatcgt ctacgaggcc 300
gactgcgcca tgatcgagga ggggtggtgc aacgttgata tcggtgcca cgcttcgct 360
gaggaggctg ctgaggatct cgacgacacc gtggtcaagg tcaacaacat tgtcagctcc 420
ttccgtcttc agagcacctt ctctgacaag aagagctacc tgacctacct caagggttac 480
atgaagcgcg ttaaggctgc cctccaggag aagaatgctt ccaagacnag gtcaaggcct 540
tngagaccgg cgctttcaag ttcgtcaagg acaagcttct tcccaacttc aaggatttcg 600
agttctacac tggcgagtct atggaccccg atgcatggt tgcctctctc aactaccgtg 660
angacggtgt taccctttac atcatcgtct ggaagcacgg cgtcactgag atgaangtct 720
aagttngcaa taatgccacg gtgatgnttt tggntctgct ccatcccgct tgcaatgaca 780
aacaggcgag cagttgttta gattacgagc cacacgaatc tcgatttcga cgctgggtaca 840
tcctctgaga tgcagcgacg agacgaaata aaagaaagaa agaaagaaag aaagaagcta 900
cgaagttcca actatgttat tttgtcgat 929

<210> 410
<211> 640
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(640)

<223> n = A,T,C or G

<400> 410

gttggtgaca	atgggcgcctt	agcagagcag	tttgacaaga	acaacggacg	ttccctttct	60
gccacagacc	tgacctgggtc	gtatgctgct	ttcctctctg	ctgctgaccg	ccgagccggg	120
attgtccctc	cttcttgggc	gagcggcgca	gctgttggtc	ctcagcagtg	tggaactcag	180
accgtcgctg	gctcgtaact	gctcgccact	gcaacctcgt	tcccgccatc	gcagactccc	240
aagggcgggc	ttccatcccc	cacgggcacc	cagcctacaa	cttcacctac	ttcttgtgct	300
atcgcgactt	cagttgctgt	tacattcgtt	gagacgggtc	ccaccaactt	cggcgagacc	360
atcaagattg	ttggcaacat	ccctgctctt	ggtaactggg	acacttcgaa	ngctgttgct	420
ctgantgcct	ctgactacac	ctcttccaac	cctgtgtgga	aggcaaccat	ctctcttgcg	480
acaggacaag	atatccagtn	caagtnatc	aacgttaaaa	aagatggctc	tgtaacctgg	540
ggaaaaagac	ccaaccgcac	ctacactgtc	ccaaganatg	cgctacaaag	gcaccaagan	600
ggataattgc	atcgtaagaa	ctgcatcatt	ccactcantt			640

<210> 411

<211> 587

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(587)

<223> n = A,T,C or G

<400> 411

ggctgatcac	aagcctgcct	caactctactt	cgacgacgtc	gcttataatc	tcaatggtaa	60
acagattctc	acaggaatcc	gtgggtatttg	caaaccggga	gaagtaactg	ccatcatggg	120
tgcttctgga	gcaggaaaaa	cgacattcct	cgacatactc	gcccgaaga	ataagcgcg	180
acaggttcat	ggtaatttct	atgtcaacgg	agaaaagggtc	gacgatggcg	actacaagaa	240
tggtgttgga	ttcgtgggac	aggaggatac	tatgtctcct	actcttaccg	ttcatgaaac	300
gattcttacc	agtgccttac	ttcgacttcc	ccgcgacatg	ggacgtgctg	ccaaggagca	360
acgantnctc	gaagtcgaga	aagaacttgg	cattcaccac	attcgtgact	cccttatcgg	420
ttctgaanaa	agcaagggcc	gtgggtatctc	cgggtggtag	aananaacgtg	ttggaattgc	480
ctgcgaactg	gtgaccaccc	ctcgatcttg	ttcctgggatg	aanccaccag	tggcctcgat	540
gcctacaacg	cctacaacgt	tattgaatgt	cttgtgactc	ctgcgaa		587

<210> 412

<211> 717

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 412

ttctttttct	tcttcaagaa	ttttacaatn	aacccaaaca	aacaccatca	caatgtctca	60
agcttttcgt	cagcgccttg	cgcccgagtt	cactgccact	accctcttcc	ccggaggcga	120
gttcagagac	attaagctct	ctgacttcaa	gggacaatgg	gtcgtcctcc	tcttctaccc	180
catggacttc	accttcgtct	gccctaccga	gatcatccag	tacaacaacg	ctctcgaccg	240
cttcaaggag	atcaacacca	ccgtcctcgg	tgtctccacc	gactcccact	tcacccatct	300
tgcttgggtt	gagaagcccc	gcaagcaggg	tggtctcggg	cccgaacctg	agctccccct	360
catcgccgac	aagtccacca	agatctctcg	caactacggg	gtcctgatcg	aggacgaggg	420
tatcgctctc	cgtgggtctct	tcattcatcga	ccccaaagggt	gtcctccgcc	agatcacccg	480
caacgacctt	tccgtcggn	gcgacgtcga	ngagaccatc	cgtctcgtca	agggttttca	540
gttcaccgac	gagtaaccng	aagngtgccc	ttnttggctg	gcaggaaggg	cggaanaca	600
ttaaaggccg	ancccaaggg	cagncttgan	tctttttccn	ccaaggagan	aatggagcta	660
agggatanat	gttagaaacc	ttccaaggaa	accggaattn	cattaacacc	cgtttta	717

<210> 413
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<400> 413
 gacaaggaga aagaagatgc tcagttcaat ccagaagagg aggcagtgaa cggaatggca 60
 aacggggcca gtggcgagtc gctggacgcc aacaacattg gaactcatca caataccatc 120
 cgtatcaaca agtcggtcca ctctaaaaac caaaagggtca acccagttgc cgcttgga 180
 ttatccaacc atogaatcaa tgctttctca ttctcaccag ataaccgaca tctggcggtg 240
 gtctcagagg atggtacgct aaggatcatt gattatctga aggaggagct ccttgacgtt 300
 ttctactcct attatggcgg gctcacatgc gtttgctggg ctccagatgg tcaatacgtg 360
 ctgactggtg gtcaagatga cttgatatct atctgggtcac tatcagaatc agcgctagta 420
 gccagatgcc agggacacca gtcttggttg tcaagctggt gcatttgacc cttggagatg 480
 tgacgaacga aactaccgat ttggtagccg taggagaaga tggacgcctg tgtttgtggg 540
 actttagtgg tggcatgctt caccgaccca aagcgcaatc tgtgagacac cgcgggtcga 600
 ttcgtacgct ataccggcgt tgcaaaaggc t 631

<210> 414
 <211> 566
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

<400> 414
 ggtggcttct ctacctggta cggcgaactc tacttttgagc tacacagagg aacgtacacc 60
 acacaagcca acaacaagta ttacaaccga aaggccgagg tgatgctacg ggacatcgaa 120
 caattggcca cgtatgcac aatcaagaac aagaagtaca agtnccaac caaggatctt 180
 gatgatgtgt ggggaatctgt ccttctctgc cagttccatg actgtctacc aggaagtagc 240
 attgagatgt gttacgacga ttccgataag gtctacgctg aagtttttga aactggcaaa 300
 cgtcttctga acgatctcta cgattcactc aatattgcc aaccaattctc atcaagcctt 360
 aacgaatcgg nggccatcaa cacactgcct tggcacccgaa aagagctcgn ggagctctcc 420
 gatagtgaag tcgggtatcgc atgtggtgat ggcaactatt gccctccgct cgtcaagggc 480
 aagaaganaa gcctgcantt ccgtgatgga acagtcacc cgacgtatnt gtnttgcaaa 540
 acgaccaact tccgtgtcgt tgggtga 566

<210> 415
 <211> 683
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 415
 aagaaccctc acagggcaag aaccatcacc cttgaaggtc gaattcctca gaacactaat 60
 cgaacaaatg ttcaagttcc aagaatccag gaacaaangg aaaggcattc cctccctgaa 120
 ccagccagcg aactggaatt ttctgcctgg gttaagccag ctttgaggga atgggcccga 180
 ccctctccga ctacaacatc caaaaggagt caaccctca tctcgtcctc cgccttcgtg 240
 gtggtatgca gatcttcgtc aagaccctca caggcaagac catcaccctt gaggtcgagt 300
 cctcagacac tatcgacaat gtcaagtcca agatccagga caaggaaggc attcctcctg 360
 accagcagcg actgattttc gctggtaagc agcttgagga tggccgcacc ctctccgact 420
 acaacatcca aaaggagtca acccttcac tgcgtcctcc ccttcgtggt gggtcagtag 480

gggcttttat	tactaggtgg	ctagtggcta	ttatgagaca	cagtttatga	aggcgtttgg	540
gaccggctat	agcatagcat	aacatanctt	acttcgcaag	gcagcatttt	taatagactc	600
gattgaagtc	tangtggtcg	tnttaccoga	tccctttgcc	ttccggctgg	nactttctctg	660
cggacgtcaa	gcatgnatct	aga				683

<210> 416
 <211> 628
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 416						
ctcgaacagc	tggagaagag	tcctcctctg	tctatcgcg	cgtactgcct	gtcctcgatc	60
agcatgaccg	ttgtgaacaa	gtatgttggt	tcgggcagtt	tctggaacct	caactttttc	120
tacttgactg	ttcaggctat	tgtttgata	ggcagcatta	ctttgtgcaa	gcagctgggt	180
ctgatcaagg	ttctcgctcc	ttttgatgct	gaccgagcaa	ggaaatggtt	ccccatctct	240
cttctcctcg	ncggcatgat	ttataccagc	accaagtcgc	tccagttcct	ctcggtaccc	300
gtttatacga	tcttcaagaa	cctgacaatt	atcgtgatcg	catatggaga	ggtgctttgg	360
tttggttgga	gcgttacccc	tctggcccta	ctttcgtttg	gtcttatggc	ctgagctcaa	420
tcggtgccc	ttgggctgat	attcaaagng	ccatcaacgg	cgattttggt	actggngact	480
ctgctgccc	tggtgtctacg	cttaacgctg	gttacncttg	gatgggcata	aatgtgttct	540
gcagngcggc	ctacgtgctc	ggtatgcnc	agggatca	aaaaaagaa	tttaaggact	600
gggacccatg	tntacaacaa	tntntca				628

<210> 417
 <211> 689
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(689)
 <223> n = A,T,C or G

<400> 417						
ccgacggtac	cgttactgct	cccaacgctg	cccccatcaa	cgatggtgcc	gccgctgttg	60
tcctcgtttc	tgaggccaag	ctcaaggagc	tcaacctcaa	gcccgttgcc	aagattcttg	120
gttggggtga	tgctgagcgt	gagcctgagc	gtttcaactat	tgctcctgct	ctggccattc	180
ccaaggccat	caagcacgct	ggtttgaccg	ctgagcagat	tgagtactac	gagatcaacg	240
aggccttctc	tgctgttgcc	ctcgccaaca	tgaagatcct	tggtcttaag	cctgagcagg	300
ttaacgtcta	tggtgggtcc	ttgccatcgg	caccctcttg	gctgctctgg	tgctcgtatt	360
gtcaccaccc	ttgcctccgt	gctcaaggag	aagaaggcca	agaatggtgc	cgttgggtatt	420
tgcaacgggtg	gcggtgggct	tncgctttgg	tcattgagaa	cctgcaataa	aaagggcgac	480
ggattgataa	ttgatgattt	tggaacgacat	aaatatgaat	gggcatgcaa	tgcaatgaat	540
tgcaaaaagt	tagatcgact	gccaaatcag	gcgtatatcg	atgcggctta	tgaatttctt	600
gctcgaagaa	ataccacttg	cataaccatt	agagtagata	taaatacttt	taatcaagaa	660
caggagatca	gcataatctc	tgtatttga				689

<210> 418
 <211> 604
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(604)

<223> n = A,T,C or G

<400> 418

cttccatccc	acgactctat	acccatcaaa	ctacagtata	cacctagcgt	gtatatctct	60
atccacaact	ttcacacctc	aaaccatcaa	catgactgga	cgcggaagg	gcggaaaggg	120
tctcggcaag	ggcggtgcca	agcgtcaccg	aaagatcttg	cgagacaaca	tccaggggat	180
cacaaagccc	gctatccgac	gtctcgtctg	tcgtgggtgg	gtcaagcgta	tctctgccat	240
gatctatgag	gagacccgtg	gtgtcctgaa	gaccttcctt	gaggggtgtca	tccgtgacgc	300
cgtcacctac	accgagcacg	ccaagcgaaa	gaccgtcaca	tctctcgacg	ttgtctacgc	360
cctgaagcga	cagggacgta	ccctctacgg	tttcgggtgg	taagcgcttt	ttgttttaca	420
tgctgtttac	gaatctttgc	ggtcgactgc	ttgtcgcgca	ggaccttgta	gggtgtttca	480
tgatgacata	tgggtccggt	tattgttttt	gggtgttttg	taccataagg	gatttggggg	540
attacattcg	gggataatcg	aaaatgccct	cgaggcgata	ttgatcacia	anaaaaaatt	600
taat						604

<210> 419

<211> 976

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(976)

<223> n = A,T,C or G

<400> 419

gccgagggt	gcgatcgaca	tttatatgct	ttgttctcgg	tttggcaacg	gagcttagat	60
gaggacctcg	attacagtaa	cggctactcc	agccccggcg	acgaatactc	agaccagagc	120
ggatcaccag	tggggagccc	tgcgcaagat	tcacaccatt	cagttgatgg	tgctgaggtg	180
aggcctacgc	gagatcgtgg	ctatagtatc	aactctcgat	ctcgagacca	aaccctctct	240
cccgtctgt	tcgccgatgc	tggatgggat	aaactcaaca	acaccattct	tttcaacttc	300
caactgtggc	aatcctgccc	ttcgccaatt	tcgggttttg	tctacttca	aggagatgga	360
ttcgggtattg	gggtncatta	tcaaggatga	anggacttgc	tatctgtgtc	gctngcaagc	420
accgccagac	aaagcgattc	gtcgacactt	tcgagagtta	ccttctagag	atccgtcgta	480
tcctacgcat	cggtaaccgc	aagatgtcta	ctggcaaacg	aagccgtgct	cgtgaggtag	540
aagtagaacg	aaccaaactt	ctcaatcgta	tcaagtctcg	aagacgtccc	attaccgcag	600
ttgaaagctt	gcgctcggcc	acaggtacca	cgtcacccac	aaacgagagc	agcacattta	660
gcgaggatga	tgaaatgggt	ggatatggct	tttctgatgc	tggcatgctt	ttgcaagctc	720
taaaggctcg	cagcgagaa	ttcgaattat	ctgacagtcg	tgtctcggag	agagctgctg	780
ctgcacaggc	ccgccgcggt	gatattggaa	agaaattgan	actgagtgat	tattgagtat	840
catgtcatat	atattgaata	gcatagccgt	ggtcatggat	ctggcatgga	gttaaagggg	900
ctcatgtatt	atatcaagag	gcggaagcct	tggatatggg	gaatcaacia	ttctcttcgt	960
gcctgaagaa	aaaaaa					976

<210> 420

<211> 390

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 420

ggtgcctgtg	tggaggggtcg	ccgttctgtg	cctatogaac	ttcttgatgt	tgctggcctg	60
gttcctgggtg	ctcactnagg	tcgtggctta	ggcaacaagt	tccttgacga	cttgctgcac	120
gcagatgccc	ttatccacgt	tgttgatgtt	tccggtactg	ttgatgcgga	aggtaaggag	180
acaagaagtt	ntgacccttc	agtggatatt	gcatggctgc	gcagcgagat	tgtagcttgg	240
gttctcggta	atcttatgca	gaaatgggga	tctatccgac	gaagacacca	agccatcaaa	300

gcgacagcta cagaaacttt gcagggtcag ttctctggtt acggatcaac atcgacnact 360
gtgaatcgtg ctttggaaccg ttgcggtgtc 390

<210> 421
<211> 565
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 421
cacgacatga tgaagcacct tatgaactct acctacaaga acggtacccg cgtccctgac 60
cacgaggttg cccacatgat gattgctctc cttatggttg gccagcactc ttctttctct 120
accagctctt ggatcatgct cgtctctgct cagtaccctc acatcatgga agagctctac 180
caggagcagg tcaagaacct cgggtgctgat ctgcctcccc tgacttacga agacctcgcc 240
aagctgcccc ttaaccaggc tatcgtcaag gagaccttgc tctccacgct cctatccact 300
ccatcatgcg cgccgtcaag tctcccatgc cgtccctgga caccaagtat gtcattccca 360
cttcgcacac tcttctcgct gctccggtgt cagcgccacc gattctactt cttccaacc 420
ctgatnatgg gacctcacga tggaggcgat ctccaacttc cccgaagggt caagatgagg 480
acaaganaag atnatacggt atggctgtcg caagggtcact ctccactgct tttggtgcng 540
tcgcacgacg ttggtgacat tgcaa 565

<210> 422
<211> 632
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 422
cgagcgcttg actgagtcga acaccgaact ctataagccc gccttggaag caatgaagac 60
ttcgataaaa acatcgacgt catccatgac agcagttcca aagccctga aattcttacg 120
accacactac gagactttga cgaagcttta cgaacaatgg cctcagagtg aagacaagac 180
ctcgctgggt gatgtcctct cgtcatagg catgacgttc tcagacgagg atcgacaaga 240
cacacttcac tacgacttc tcgcccctac atccgacatc agctcatggg gccatgagta 300
taccagacat cttgccctag agattggaga ggtgtatatc aagcgaatca ataacgagga 360
acagaccaa gacctgatcg atcttgctgt tgtcttgatc cctcttttcc tcaagagcaa 420
cgcttgaggc cgacgcccgt ggatctcatg agcagagctc aaattatcga ggagatgccc 480
aaattgtgga cgaaaacaca tacgctcgtg tgtgcctgta catgtccttc atggcaacct 540
ctnacttacc ccgacaacga gacctttcnt aagactgngc acgatatcta catggaatca 600
agccaatttg cgcaggncat tggctctgca at 632

<210> 423
<211> 606
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 423
ntgtcatctc tcgacagcaa ancatgttcc nattntttca acncatccga gagaactggg 60

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 426

gtgaagcctg	ctgatattgg	tgtcattacc	ccatacgaag	gccagcgaag	ctacattgtg	60
actactatgc	aaaactcggg	aacttataag	aaggagtact	acaaggaggt	cgaggtcgct	120
tcggttgatg	otthccaggg	ccgtgagaag	gattttattg	tcctctcctg	tgtccgatcc	180
aacgacaacc	aaggcattgg	tttcttgtcc	gacccccgcc	gtttgaacgt	ggccttaact	240
cgagccaaat	acggtcttgt	cattcttggc	aaccccaagg	tcctgtccaa	gcacgagctc	300
tggcacaact	tgcttgtcca	tttcaaggat	cgcaagtgct	tcgtcgaagg	tcctttgacc	360
aacctccagg	catgtctgct	ccagttcagt	cgccccaaag	ttagtttccg	acagaagaac	420
caacagccgc	agttcggaac	agggagctac	tccaacggag	ggcgtttcaa	cccgcctccc	480
tcagccggga	cttcgattca	agctccacgg	tgtcgtatat	tnccgacgat	gtatcttccg	540
ttcatggggtc	tgcggttttg	cggcgctttt	tnntaacanc	gccttn		586

<210> 427

<211> 635

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(635)

<223> n = A,T,C or G

<400> 427

ccgtgacttg	atgctacagg	gaattattac	acaatgctgc	tttccacagc	tctctacagt	60
atcacgcgaa	gtccaggagc	agctcaagat	tgatttccct	gctgcacttn	ctaccgaact	120
ctcctacaag	atcttatcct	acctcgatac	agtctccctc	tgcaaagccg	cccaggtcag	180
ccgtcgatgg	cgaagccttg	ccgacgatga	tgtagtctgg	catcgtatgt	gtgaacaaca	240
tattgaccgc	aaatgcacaa	agtgcggttg	gggtctgccc	ttgctcgaaa	ggaaaaaact	300
tcaggcgtgg	agccgncatc	aacaaaacca	ccgcaaccga	atgccgccga	cgtggntgag	360
atccgacacc	gaggttgaga	cacaacctag	cgactcacga	aaacgtcagg	ccaccgacga	420
cgaacacgaa	gattgcgatc	gatctgttaa	gcgctctcgg	gccaatcctt	ncaaatcgng	480
acaacagctt	gaagcagacg	caagtttcga	ccatggaaaag	atgtataccg	ngacgcttca	540
ngtgggggaca	ctggagacag	gccgtgttta	tcaaaccttn	anggtacgaa	atggctgaca	600
tgcttcagtc	gcgntacatc	ttgcnaaggt	tctac			635

<210> 428

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 428

cggccctcaa	acgtctagtg	actacgagcg	attactttctg	ggacagcctg	actcatcaga	60
gctgtggatc	gcttacctcg	cattccaaat	gcaagttgct	gagctttcca	aggcacgaga	120
ggttgctgag	cgagccatta	agaccatcaa	catccgtgaa	gagaccgaga	agctcaacgt	180
ctgggtcgcc	tatctcaact	tggaggttgc	ctacgggaacc	aagcaaaactg	tggaggaggt	240
tttcaagcgg	gcttgccaat	acaacgatca	gcaggagatt	cacgagcgac	tggccagtgt	300
ctacatccag	tcggagaagc	tcaaggatgc	cgaagccttg	tttgagacaa	tggtaagaa	360
gttcggtgcc	aagtctccta	atgtctggct	gaactacgcc	cacttcctgc	acgccactcg	420

aaacaagcct	gacggactcg	tgctctacta	ccgagagcta	cccagcaact	cggaagact	480
catcacacaa	accttatgac	tcgcttcgct	gctctggagt	tcagatctcc	ccacggcgaa	540
cctgancgtg	gacgaactat	gttcgcgggt	cttctagaag	ctttcccca		589

<210> 429
 <211> 621
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 429						
cttcaacttt	ctattttaatc	ccgcaaaaaca	tagcaaaaaat	gtccgctcgaa	actgcctacg	60
atcccaagga	catgctgttc	cgccacctgg	gacctactgg	tctcaagggt	agtgtcttca	120
gtctgggtgg	ctgggttgaca	tacgggtggaa	cacaaaaggg	agacattgtc	aagcaaatct	180
tgcaaaaaggc	ctgggatcac	ggtgtcaaca	cctttgacac	tgccgaggtc	tatgccaacg	240
gtgaatctga	gattgagatg	ggccgagccc	ttaaggagct	caactggcct	cgagacgaat	300
acgtcctcac	gaccaagttt	tcttcggcac	aagtcgcaag	gagcctaaca	cccgcggtct	360
ctcccgcgaag	cacgtcgtcg	aggggtctcaa	gaactccctc	aagcgantgg	gacaacctta	420
cgtcgatgtt	gtcntcgccc	aacgcccgc	tacgctactc	ctatgaagga	gattgttgan	480
gganttacca	agtcaatcgc	aacctaacct	tgctacact	gggnacccaa	atggacgctg	540
ccaaataccg	aggtacncaa	attgctgacg	ttaaaccat	gnccgtttca	acaaccataa	600
ancttcacgt	gnngnttcaa	a				621

<210> 430
 <211> 815
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(815)
 <223> n = A,T,C or G

<400> 430						
taataacata	gctaagtttt	atcttctcag	catggttcta	gttccagccc	tggttggtgt	60
tgtagctcaa	ctgctcttct	gcatgttgcc	ttccatgaag	cttggccttc	tctgcgtcga	120
cgtaatccaa	tcccttcgtc	tcaatctctc	gatcaacaaa	ggcaccaaca	aaacctgcca	180
agatctcctt	tgcttgagcg	tggctatcag	gctctccatt	ccgagcaaca	tggttctcat	240
aggccttggc	agcctcgtag	gctgcagctc	cacctatcag	ttcgtgtgac	cactctgcct	300
catgaggacg	ttgctgaat	taacatcagc	agcaaccgtc	aaaatgggtc	agaagagaaa	360
gaacaacggc	cgaaacaaga	agggccgcgg	ccacgtcaag	cccatccgat	gcagcaactg	420
ctcgcgatgc	accccccaag	ataaggccat	caagagattc	accatccgca	acatgggtga	480
gtctgctgct	atccgtgaca	tctccgatgc	ctccgtcttc	gaggagtaca	ccgtcccaag	540
atgtacctga	agctgcagta	ctgtgtctct	tgcgccattc	acggcaagat	ggtccgtgtc	600
cgatccgtgt	ccggccgacg	caaccggccc	ttcttcttgc	gtccgtacaa	caaggacggg	660
aagaagatcg	ttcccactac	cctaagggtta	aaanggggtg	atacttgga	tggaagtccg	720
ttatgaatac	cacatttaaa	aaatgggtgg	gatgaatccc	tttgggatat	gagactaaga	780
aattccaaaa	atcactgggg	ccacgttgga	tgntt			815

<210> 431
 <211> 840
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(840)
 <223> n = A,T,C or G

<400> 431
 ccgacctttc tcttcttttc cgactcaact cttcacatcc ttcaaaatgg gcttcaccga 60
 cctcctttcc gaaactggag ctcacgtgct caacagctgg ttgagcaccg gctcttacat 120
 tgtcggccaa tctgctcttc aggcgtgatgt cgctgccttc aaggctctct ctggcgctcc 180
 cgacggccag agctaccccc acgcgcgccg atggtacaag cacatcgcca gctacgagag 240
 ccagttcgct accctccccg gtgatgcttc tgctccctac agcacctacg gtccctggcac 300
 cgctgangtg accatcaacc ccgctcaggc ccctgagaaa gctgaactgc tgctgctgct 360
 gctgaggaag angacnactc gacctgttcg gcagcgacga agaagaagat gctgaagccg 420
 tccgcgtccg tgaagaacgc cttgctgagt accgccagaa gaaagaagcc aagcccaaga 480
 catcgccaag ttcgctgctc tcttgacgtc aagccttggg atgacgagac tgacatggct 540
 gctcttgagg ctgcccgttcg ttctattgag aaggacggtc tgacctgggg tgcttccaag 600
 ctgctccccg ttgggtttcgg tgtcaagaag ctccagatta accttggtgt cgaggacgan 660
 aagatctccg tcgccgacct cgaggaggag atccaggagt tcgaggacta cgtccagtc 720
 actgacgttg ctgccatgca naagctgtaa aaagcctgca ttagctatgt caacttatga 780
 tgaggcacga cggcgaggat tgatgaccaa tgggatctta tgattttcaa aaatnnggn 840

<210> 432
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 432
 aatcaattat agcttcaacc atggcttccg ctcttcttcg atcaactccc gccctccgcg 60
 caggccttcg cgcccgtctt actccctcgc cggccatggc cagcaccagc ttcgtccgcg 120
 gcaaggccac tcttcccgat cttccttacn actacggcgc tcttgagccc tacatctctg 180
 gccagatcat ggagctccac cactccaagc accaccagac ctacggtacc ggcttnaaca 240
 acgcagccga cgccctcgcg gaggccaacc acaaggcgga cgccaaggct gctgccgctc 300
 aggcacctnt tctcaacttc cacgggggtg gtcacgtcaa ccaactccctg ttctgggaga 360
 accttgctcc caacggtaag ggcgggtggtg gtgagcccga gggcaagctt ctgacctcca 420
 tcaacgagga ctttggttct ttcgaggctt ttaagaagca aaccaacgct accctcgccg 480
 gtatacaagg gctccggtcg ggcttggtc gtcaaggaca aaaacgctgg tacttntgtc 540
 catcggtacc cgacctaac aaggaccccg tcantggcaa cctttgancc cttctttgta 600
 tttgacnctg ggagcacccc tattanctcc t 631

<210> 433
 <211> 516
 <212> DNA
 <213> Fusarium venenatum

<400> 433
 caaatatttc gcaaacatcg acgcaaaatc tacttacagc ctacagaagt tcatctaacc 60
 actggctgcg actactaact gcctataatg gcctccaaat caccaatcct ccccgaggag 120
 ggcaagcgca acatcctcat cacctctgcc cttccatacg tcaacaacat cccacatttg 180
 ggtaacatca tcggcagtggt tctttctgct gatgtgtttt ctgctactg taaagccaga 240
 gattacaaca ccatctacat ttgtggctct gacgaatatg gtaccgctac cgaaacaaag 300
 gctctcgagg aaggctcttc gccgcgcgac ctttgcgcca agtaccacgc ctttcacaag 360
 ggagtctacg actggtccga atcgactttg acattttcgg ccgaacaccc acccagcaac 420
 aaacacagat tgtgcagcag atcttcaagg aactctggaa gaatggtaca ttgaggagcg 480
 ggagactacc cagcccttct gtcacatgcc aaccac 516

<210> 434
 <211> 628

<212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 434
 cttgaggggtg gcatggacga ccgcttggcc acccatttcg ctcactctntt tatccgngac 60
 cctattgtcg tctttgaaga ggatctccaa gaattagatc tcaacaagac ggaccatttc 120
 naaaacatcc agtcaactaa ctggcagcat atgcgtttta agccgccacc cgctgacaac 180
 agcatcggnt ggcgagtcga gttccgctct atggagatcc aaattacaga ctttgagaat 240
 gccgcctttt cgggtgtttat ggtcctagtc acgcgtgcc a ttctgtcatt tgacctgaac 300
 ttttacatcc ccattaagaa ggttgacgag aacatggagc gcgcacacga ggtggatgcc 360
 gtcttgaagg anaagtttta cttccgacgc aaccctttcc ctagccgccg tntagggcaa 420
 acactacgtt cggcgacgac agccgaccgc gatcaagctn attctagccg acctcaaccc 480
 ccggtgggtcc tgtggagcac gagtttgagg agatgaccgc aacgatatta tcaacggctc 540
 aaagtcgggc gagtttctctg gcctgatccc atcgnggaga gtcctcngac agngtgaatg 600
 tcgatgtttc aaccaaattgc cncctgct 628

<210> 435
 <211> 1072
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1072)
 <223> n = A,T,C or G

<400> 435
 ctcgaatttc tgcgaattat ttccgacctg tgacgtgat tttcgccttt cgcacaaaca 60
 gggcagtc aa accctaaggc ctctttccca aaggagtggg gaaagcgagt ttgtgggtccc 120
 tccgacctgt tagggcaaga gcttcagaat ttctcaattt cagcccgcca acccacgtcc 180
 cgctcgtcgaa accgtcactc accacccaag tcgccgagat ggttcgatac gctgccaccg 240
 agatccagcc cgcgaagtcg gcccgcgccc gcggtgccta cctccgagtg tccttcaaga 300
 acacccgcga gaccgcccag gccatcaacg gctggaagct tcagcgcgct gttaccttcc 360
 tcgagaacgt caaggagcac aaggaggccg tccccatgcg acgatacgcc ggcagcactg 420
 gccgcaccgc ccaaggcaag cagttcggtg tctccaaggc tcgatggccc accaagtccg 480
 ccgagttcct tctcgtctct ctcaagaacg ctgaggccaa cgctgatgcc aagggtctcg 540
 acacgggtgc cctcgttgtc aagcacatcc aggtcaacca ggcccctaag cagcgacgaa 600
 ggacataccg tgctcacggt cgtatcaacc cttacatgtc caaccctgc cacatcgagc 660
 tcatcctgac cgaggctgag gaggttgtcc anaagtccga tgctgttgct gagcgtgagc 720
 accttactcg cgccagcgtg gtgcccgcct ccgcaaggct atcacctctg ctttaagccaa 780
 tcaacaacct tcttctcaaa tagacaaaat ttaagcgctg gttgaaaact gggtttacgt 840
 cgggcattct ctgtgttgta gctgtgactc ttgacaagtc tcttgaacaa agagacacaa 900
 acaccaagat tacaacaaa actcgatcaa ttgttctagg gtttttgca ggggtggtcg 960
 tggcttttca tctcctggtg tatggcaggc tacggttaagc atggnattaa agggaaacgc 1020
 atgcaaaaat tcgcaagggt tcttgacnaa ataaaatctt tcaagtccta aa 1072

<210> 436
 <211> 763
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 436
 tgtcatcgag cttcaaccac atcgnatacc aacatcgaca acattctcaa tacacgaccc 60
 catcgcaatc cccctgctccg tcttcaattc gcaaactgag caattcctgc aaatctttcg 120
 acctttacct tccgaaccac atttagcagc tcgtttccct gacgtcaagg gagctacncc 180
 aagatggcgc tcgacgagta ctaccacaac aagatcgagg cgatgaagct cgagatcctc 240
 angggtcaag ccgcgcttcg tcgtcttgaa gcccagagaa acgactacaa ctcccagagta 300
 cgattgttga gagaagagct gggctctgtt caacagcctg gatcctatgt tggtagggtc 360
 gtcaagggtca tgagcaccan agaagattct tgtcaagggtc acccagaagg caaatatgtt 420
 gtcgatgtgt cggatagcgt cgatgtcgcc aaactcacc cggaaaagc gagttactct 480
 actgctgata gctcaaactc gaaaagatgc taccttcgtc cgcgatcccc tcgtctntct 540
 catgatgggtg gagaagggtc cgacagcaca tacgacatga ttgggtggtc agaccagcag 600
 atcaaggaaa tcaagggaagt tntcgaactg ggtnttaagc acctgagctt tttgagtctn 660
 ttggtatcca canccnaagg gggtttgnta tacggctcntt ccgggtcaagg aaananactt 720
 acttгнаага actggtgccc ccacactgct ggaaattcat cca 763

<210> 437

<211> 571

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(571)

<223> n = A,T,C or G

<400> 437
 ottgagtctg gacatcgctc cccctctgat ccacctcctg cagaacgggtg acctcaagac 60
 tcgcaaggaa gcctgctggg ccattagcaa tgccacttcc ggtgggtctgc agaagcctga 120
 gcaaattccgt tacctgggtg cccaaggctg catcaagccc ctttgcgacc tactcggttg 180
 ccccgataat aagatcatcc aggttgccct ggatggcctt gagaacatcc tcaagattgg 240
 tgaccttgac aagcaggctg ctggcgagtc tggcgactct atcaaccgat acgctctctt 300
 cattgaggag tgtggtggca tggagaagat ccacgactgc cagaacaacg ccaacgagga 360
 gatctacatg aaggcttaca acatcattga gaagtacttc tccgatgatg aggagaatgc 420
 cgatgatggg atggctcagc aaccgcgcgg ccccaacggg ncattcgggt ttggcaccaa 480
 cgggtgctgct ccttcaggaa gattcgactt tgccaagggt aacgacccat ggacatgtta 540
 agagcttctt gatcgaagat cggaatatcg g 571

<210> 438

<211> 726

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(726)

<223> n = A,T,C or G

<400> 438
 ctcaattcac tactttcgtc ttcccatcac tttcatagta tacatagcat accgaacggt 60
 tagaacgttc ggaaaaggcg ctctcttcct tctttttata ctttctttcc ccaagcgacg 120
 atccctttaa actaggtctt ctttcaacgt cttgcgactc acgcgaccgc caatctgtcc 180
 cattcacttt ggtatttccc aacacttctt cgtcgtcagc atggctagta aagccgccac 240
 caagcgtttg acacgcgaat acaaaaccat ctctgagaac cccctcctt atatcgttgc 300
 ccactcttcc gaatcaaaca tcttggaatg gcactatatt atcaccggcc ctgaggaaac 360
 accgtatcat ggcggccagt actggggtag tctcatgttc ccccgaact atccatttgc 420
 cctcccgcgc attcgatgc acacaccctc cggccgattc caatcctcaa cgcgactatg 480
 tctctcgatt tccgatttcc acccaaagtc tttcaaccgc gcatgggaag ctcgaccatt 540
 ctgattggac tactgcattc atgacaaggt gaagaaatga cgactgggtc cgtttttgca 600
 caagccgcgc agcgaaaact actttgntgg taaacgcgtg gtggaactcg atggcggggg 660

tttaatcnaa naggacccac gacaaaggna tгнаagggtgt gatgcggcgc ncgantcggc 720
aaaagg 726

<210> 439
<211> 1184
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(1184)
<223> n = A,T,C or G

<400> 439
cgcccagcgt cccccaggaa aaggctatac aacagacaag tttggacttt gatccacgtc 60
cgcttttact cgattatctt ttcgcgcttg gaatacttct cgacaacgat ctatcgtcgt 120
ctctaataatc ttcaacttca ctcaattcct ctctaatacga acaagatggc tcctttcact 180
cctcgaggtg gtgcccgtgg aggtcgtggc ggcgctcgtg gaggcggccg tgggtggttc 240
ggtggtgatc gcggcggtct cggcgggtgg cgtggtggtg cgcgcgggtg acaaagtgg 300
ggtcgtggcg gtttcggtga tcgaagcggc cgtggcggac ncggtggacn aagtgggtgt 360
cgcggcggtc gcggtggtgc tgctggcgca aaaggcggtg ccaaggtcat tgtcgaacct 420
caccgtcacc ccggtgtctt cgttgtccgt ggtggtaaag aaaatggtct tgctaccgc 480
aacacaaccc ccggggagtc tgtctacgga naaaaaaga tcagcgtcaa tgaatcggtc 540
accaatgaaa nacggtacta cccnctacc aaggctcagt accgcatgtg gaacccttct 600
cnaaacaanc ttntgtgctg ccgttgncgc gtggtgctga tgagatctac atcaagcctg 660
gctctcgtgt cctctacctc ggtggtgcct ctggtacttc cgtctctcac gtcgccgaca 720
ttgtcngacc taccggctac agtctaccgc cgtcgaagtt ctctttccga tccggtcngt 780
gacctcatca ccatgggctt ccaaagcgac ccaacgttgt ccncattgtt gaggatgccc 840
gtcagcctgc tcgttaccgc atgaatcgtn ccatggctcc gacgtcatct ttgccgatgt 900
tgnccagccc gatcaggccc gtatcgtcen catgaacnnc caactggtn ctcaagggcg 960
gaggtggtgt ccttatctcc atcaaagcca actgtattga nagtnccgtt tccngntgcc 1020
gangttttcn ctgcgagggg ccagaagatg cgagcttgag tcantcagcc caagntccag 1080
cttaccttgg aaccctttcg aggcgtgacc atttgtntgg ttggccggcg aatactttgc 1140
ncctacaagn aataaatggc ttaaaggang catacttact tggg 1184

<210> 440
<211> 596
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 440
tgatatttta ccgcaaaaaa gaagcttctt gtccctgacca gagaaccatt acctgttctc 60
acgtctctac aagatggcat ctctgcggtc gttgactgcc ccccttcgct gggcagcccc 120
cgcgaggggc gtgcgcgctg tgcgatatag ctcttctctg acctctgcca ttgcctacaa 180
ggcccttcgt cgtcgctcgg ctccctctccc cgtgcgcgac aaccctcccg cctggtccgc 240
ccagtcgctg gtctccaaca tectctacga gacccccgtt ccatctaccg ttctctccaa 300
gcgacacatc cttaactgtc ttgttcagaa cgagcccggt gttctgtctc gcgtctctgg 360
tattctggct gtcgcgggtt tcaacattga ctctcttgct gtgtgtaaca ccgaggttga 420
ngatctgtcc cgcattgacca ttgttctcac aggccaaagac ggcgttgtca agcaggctcg 480
ccgacagctc gaagatctgg gtccctgtctg ggccgtcctt gantacacca acgctgtctc 540
cgtccagcgc gaacttctcc tcgccaaagt caacattctt ggaactgant actttg 596

<210> 441
<211> 628
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 441

ctcaaacc	caaccatanat	atattacaac	cacacactcg	aaacaatcgc	aatcatgtct	60
ttcggtcgca	ctgtcaccct	caacttcngg	atggaagatt	ccccagatcg	gttacggcac	120
atggcaagct	gnccctgggtg	aggctcgcaa	cgggtgtctac	gaggccctca	aggctggcta	180
ccgccacctc	gatcttgcca	agatctacca	gaaccagcgt	gaggttgggtg	aggcatcaa	240
gaaggccctc	agcgagggtcc	ctggcctcaa	gcgtgaggac	atcttcatca	ccggaaagct	300
ttggaacaac	aaacaccgcc	tgaggagggt	gctgggtgcc	tcgatgacac	ccttgaggag	360
ctcggccttg	agtacattga	cctctgggtg	atccactggc	ccgttgcttt	caagaacngg	420
aacgagctat	ttccnttgaa	gganggtgat	gatggcaaga	ctgctnttga	ccaggangtc	480
accctcttnc	agacatggga	ggccgtcaac	aaactggcca	aagagaaaag	accgctccgt	540
tggtgtctcc	aacttcaacc	aggagatgct	tgagcaaata	atcaaggaca	ctggcgtgan	600
ccccgccatg	aacaaaattg	agcgctact				628

<210> 442

<211> 606

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

<400> 442

tgaacttttt	tccgcategc	ccgtgcgggt	ctccgagetc	gcctgtgcgc	cgtccgagtt	60
ccccctccagc	gaanaacct	cgccgaggcc	gtccccgaca	agatcaagct	gagccttgcc	120
ctccctcacc	agtctgtcta	caagtcccac	gatgtcgctc	aggtcaacat	ccccgccgag	180
tctggagaga	tgggtgttct	cgccaaccac	gttccttcca	ttgagcagct	gaagcctggt	240
ctgggtgagg	ttgtcgagga	gtccgctggc	tccaagcagt	tcttctctct	tggtggattc	300
gctaccgttc	agcccaactc	cgtcttttagc	atcaacgcgc	tcgagggtta	cccccttgag	360
gacttcagcg	ctgaggccat	ccgagctcan	atcgccgagg	cccanaaggt	cgccaacggc	420
agcggaagcg	agcangatat	tgctgangcc	aanatcgagt	tggaggttct	cgagtccctg	480
tctgtctcatg	tgaataaagc	gtgcanttag	tttgtggtga	cggaggccct	tgnaacatcaa	540
aattattctac	ccatattanc	acaaaagctg	ngacaattga	taccaagtcc	tggttgngct	600
acctct						606

<210> 443

<211> 639

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(639)

<223> n = A,T,C or G

<400> 443

ctccactggg	ctcggagaat	gtccaagcag	atgcttccgt	tggagttgat	gttgggggtg	60
tagatgcgtg	tggtgaagtt	gaccttgga	ggcttgaagg	ggtagtcggt	agggaagtga	120
atcgcaagga	agaagacacc	gccggagtaa	ggggagtcag	aaggacccat	aatcgtagct	180
tgccagtga	acagatcctc	gccaacaggg	ccagcggagc	aggaagaggg	aggatctcgg	240
ccgcgatcag	aacaaagaca	tggatttact	tcttgtacac	aacaaaattt	tcgtcttttc	300
tctacacaga	ttggtctcct	cggcatttga	ccccgcacca	cgcgggattg	gccagagttg	360

[illegible]

```
<220>
<221> misc_feature
<222> (1) ... (797)
<223> n = A,T,C or G
```

```
<210> 445
<211> 647
<212> DNA
<213> Fusarium venenatum
```

```
<220>  
<221> misc_feature  
<222> (1)...(647)  
<223> n = A,T,C or G
```

```
<210> 446
<211> 641
<212> DNA
<213> Fusarium venenatum
```

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

 <400> 446
 cgaggcccca ccgagaagtt cttccaggag aacaactact ttggcctgag cgaggagaaac 60
 gtcaagatct tcgagcaggg tgttctgcct tgcattctcca acgatggcaa gattctcctc 120
 gagaccaagg gcaagggtgc tgttgctcct gatggaaacg gtgggtctcta caatgctctt 180
 gttctttctg gtgttgtcga cgatatgcga aagcgtggca tccagcacat ccacgcctac 240
 tgcgttgaca actgccttgt caagggtgcc gaccccgctt tcattggctt ctctgccgct 300
 ctcgatgtcg acattgctac caagggtcgt cgtaagcgca acgctccgag tccgtcggtc 360
 tgattctntc aanaacggca agcccgatgt cgttgagtac tccgagatca accagtccac 420
 tgccgaggag acccgacccc aaagcagcct gatcttcttc gggtccgngc tgcaacatng 480
 tcaaccacta ctactntttt ccgntttctt cgactntntt ccccaggggg tcacaagctt 540
 tnccacacaca ttgcgccgca agaaaanccc cttntgcccga tcttgnanag cggggganac 600
 aatcaancct gaaaagccca acgggtntta agctctaccn n 641

<210> 447
 <211> 575
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

 <400> 447
 agagtcgtcc gagacaaacc agactgccgg gtcccataat gaggacgtgg tcgctgaaaa 60
 gcagcccgtc cctgttgatc ccaaccggtt cagtttcttt tcttcggcat gggaaatcaac 120
 catccacgct gcggatttgc gcgatcttgt gcttccgggc gaanatatec gtgggctttt 180
 cgagctaccc gatgaaaaaa aaaatgggtg ttggtggctg aacgttaacg cggccactaa 240
 ggaagaaagt cagagcattt gcaagtcttt cgttattcat cctctcacia ttgaggatat 300
 tattactcag gaagctcgcg agaagattga gctcttcccg tcatactacc ttgcctgttt 360
 ccgactcttc tctgttgctg aagaagatga cggcatcgag tacgaaccct tcaacacata 420
 tgtcattgta ttcagggagg gtactctcag ctccagtttt gagcccaact ctacgcagc 480
 tcaagtccgc aagcgaatca ctgctttgaa agattacgtc tctcttagca ntgactggat 540
 ctgctatgct ttaattgacn atattgtcga ttcct 575

<210> 448
 <211> 707
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(707)
 <223> n = A,T,C or G

 <400> 448
 tcggccagcg gtgacagggtg gtatcagaag agatatgac ttcgctggac gaatcgangg 60
 ataaattatg tcatggtgca gccctcactg cctccttgc ctccaatgac aacagtgaac 120
 acggtgtcat taagcttgtt gctctctttg atgatgaaga gattggctct ctccctcgtc 180
 agggggcgcg gggtaacttt ctcccctctg tcatcgagcg cactgttgaa gctctcaacc 240
 ccaacaaatt tggaccagaa cttgtaggaa gaacctattc ctccctattc ttctgctcct 300
 cagacgtaac tcattctgga aaccctaact tcctcgagaa atatctcgga gagcatgttc 360
 ccgagctaaa tgttggtgtg gtcacgcgca acgactcgaa tggccatatg accacagaca 420
 gcatctcgac tgcaatcatg cagcgtgcaa ggcgaaactag gcggctgccg aactcagacc 480
 ttccagattc gaaacgacag tcgcagtggt ggtactattg ggccctgccct gtcaaatatg 540

attgggtgtc	cgagccgccg	acgttggact	tccccagctc	agcatgcact	ctatccgcgc	600
gactactggc	tactagacc	tggtctgggc	gtcaagttct	tcaagagctt	ncttgacaac	660
tgggagaaga	ttgatgcnga	ntggcactag	agacagnagt	agagaag		707

<210> 449
 <211> 802
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(802)
 <223> n = A,T,C or G

<400> 449						
ctgaccgtga	atgaggccgt	tctcaagcac	cttacttgac	atcccgcgatg	gagtaccttg	60
acaagcccgg	tttcgcctc	atcttcgagt	tcgctcccaa	cgacttnttc	agcaacacca	120
ccgtcaccaa	gacatactac	taccagaacg	agagcggcta	cgngngtgac	ttnatctacg	180
accacgccga	gggtgacaag	attgattggg	cacctggcaa	ggacttgact	gtccgtgtcg	240
agagcaagaa	gcagcgcaac	aagaacacca	agcaaactcg	aattgtcaag	aagaccgttc	300
ctactgagtc	tttcttcaac	ttcttctcac	cacccaaggc	tcccaccgat	gacgatgacg	360
aggatgccga	gtccgacatc	gaggagcgtc	ttgagcttga	ctaccagctc	ggtgaggaca	420
tcaaggagaa	gctcattccc	cgtgccatcg	actggttcac	cggtgaggct	ctcgtcttcg	480
aggagctctc	tgacgatgac	ctcgacgggtg	ccgacttcga	cgatgacgat	gatgaggacg	540
aggatgactt	gagcgaggag	aacgacgacg	aggaggagtc	cgacgacgat	gacgaatccg	600
gcaagcctaa	gcaggaagct	gccgagtgcg	aacagagctg	agcgaagcga	tagagcgcgga	660
cgcaacgcac	atttacacta	tcatgacatg	attggctttt	atcggggttg	aagattttat	720
ctgagccacc	aaccttcctc	cgaaaaaagg	agaggcgggtg	aacgacggga	agaaaaaggc	780
tacaaaaaacg	ggaagcgggtc	ga				802

<210> 450
 <211> 578
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 450						
aaagacaccg	gcgtcgtcct	aagcttcaat	ggaagcttgg	tcagttgggc	gcacacaacc	60
gtcgcgtaca	ctgccttctt	cagcgcattg	gttatcggcc	tctgccttca	ctatcacaag	120
atcgtccaga	acgagttcta	cggttatccg	caagaatggg	ttccctnggt	gtccgcaaca	180
atcggcgatc	gatacccaga	gcgatccttc	ttcatgatct	ttatcgccat	cacatccggt	240
cctcgattcg	ctcttgtcgg	cctatgggat	cttctcacgc	gcaagcccgg	ccagaagcta	300
cccacgttcg	tcgctgttat	gggacttggtg	cgaacactaa	cctgcggngg	atggacgtac	360
attacctcta	cagatgacca	tgactggcac	gatatcctga	tgatttccta	cattgntgcg	420
acgcttcggn	ggacgactgg	ntgnatcgca	ctcagccccg	caatccccag	gccattaaat	480
accgaaagta	cctggcctcg	gntttcttcg	gacccttggg	ccattgattt	acttttttat	540
tcancacaag	gttcatcggg	gttgntggga	gcttacac			578

<210> 451
 <211> 715
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(715)

<223> n = A,T,C or G

<400> 451
cgcaaaactca accagtcgct taacgttgaa caaanaaatc ccgccgaaaa tgcctgttgg 60
aaccgttctc gttaccggng gtaccggcta catcggtctt ttcacctcgc tcactctcct 120
tgagcacggt tacgatgtcg ttattgtcga tccctctac aactcctnag aggtcgccct 180
cgaccgcatt gagctgattt gcggtcgccc tccgccttt tacaaactcg atatcacaga 240
tgagaaggct atcgatgagg tctttgccaa gcaccctgcc attgatagcg tcattcactt 300
tgctgcgctc aaggccgctc gcgaagtctg gcgttatccc tctcgagtac taccgtgtca 360
atgtcgggtg tagcatctct ctctccgct ccatggagcg caacaacgct aacaatattg 420
ttttctcctc ctccgctacc gtttacggcg atgtaccocg attccccaac atgattccca 480
tccccgagca ctgccctatc ggacctacca acacctacgg tcgcaccaag tccatgatcg 540
aggacgttat caccgacttt gtcaatgctc agcgcacca cttggaaaaa gagggcaagg 600
agttcaaacc agtggggaac ggtgctcttc tgcgaaactt taaccctttg cgggtgctacc 660
ccactggtat catgggtgag gacctcaggg tattcctttc aaccttctgc cctct 715

<210> 452

<211> 506

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(506)

<223> n = A,T,C or G

<400> 452
aaaagangag aaaaaagttg ctgttacttt aagacttaca acagaagaaa atgagatatt 60
aaatagaatc aaagaaaaat ataattattag caaatcagat gcaaccggta ttctaataaa 120
aaaatatgca aaggaggaat ccggtgcatt ttaaacaana aaagatagac agcactggca 180
tgctgcctat ctatgactaa attttgtaa gtgtattagc acccgttatt atatcatgag 240
cgaaaatgta ataaaaagaaa ctgaaaacaa gaaaaattca agaggacgta attggacatt 300
tgttttatat ccagaatcag caaaagccc agtgggttaga gtatttataa gagttacaca 360
ttcaatttgt agtgtctcca ttacatgata gggatactga tcccgaagggt aggatgaaaa 420
aagagcatta tcattattcta gtgatgtatg anggtaataa atcttatgaa cngattaaaa 480
ttattcccga agaattggat gcgact 506

<210> 453

<211> 655

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(655)

<223> n = A,T,C or G

<400> 453
cgcaacgcca caccacaaga tccctcacga tggcgaccct cgcgaccgct tctcgctctt 60
gcctgcgcgc ggctgctaag cccgtcgctc ccgcgcgtcc cgccctcagc accaccgccc 120
ttcgtaccga cagcgcgctc gctctggat actccagccc cttcaagttc caaggagagt 180
ccaagggctc ccagatccct gacttcgga agtacgtctc taccggcagc gagggcaana 240
acaagctcta ctogtacttc atgggtggcg ctctcggtgc cgtcagtgtc gctggtgcc 300
agagcacagt tcaggagttc ctggtcaaca tgtctgcttc tgccgacgct ctggccatgg 360
ccaaggtcga ggttgacctt gcctctatcc ctgagggcaa gaacgttatc attaagtggc 420
gaagcaagcc cgtnttnatc cggcaccgaa cccaggacga gatcgaccag gccacaaaag 480
tcaacatntt tttntttcga natccccga angatagccc ccgtgccaaa naacccaaag 540
tggtctgtca tggtgggtgt ctncctcact tgggttgggc ccattggng anggcggtga 600
ctaccggggg tggtttttnc cttgcnngt ttttaataa aatntttggg ccaa 655

<210> 454
 <211> 649
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 454
 gagctcaaga ccaaggttga atctcttgcc gcgagcctca agttccccct gcacgagctc 60
 tacgtcatcg atggaagcaa gcgaagcgcc cactcaaacy cctatttctt tggctcttccc 120
 tggaagaagc acatttgtgat ctacgatact ctgattgana agagcgagcc cgatgaggctc 180
 gtgcgcgttc ttgcgcacga gttgggtcac tggaagcttg gccatactac cagtctcttc 240
 ggtatctctc aggcctcactc tttctacatc ttccttctct tctctgtctt catcaacaac 300
 cactctctgt actcatcttt cggtttcctc aaagagcatc ccattattat cggattcatc 360
 ctcttctccg atgctcttgc ccccatggat ctctgtcatca atctgcttat gcacattgtc 420
 agtcgcaagt tcgagttcca ggccgatgct tttgccaaagg ggcttgggta ccccgangca 480
 gcttgcccg cccctctctca agctccagat ccagaacctt ancactatgg atgccgactg 540
 gatgtatgcc aactaccact tttttttaac cttacttggg ctgaagcgac tcaacgccct 600
 ttgggctgga angggtccga nggtgtacct ganggcttac ttgacaaaag 649

<210> 455
 <211> 631
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 455
 gaggggttgc gatgtcccca ttccatccat ccaaggacgc cctccaggga acattttaca 60
 gccactctc agcaacaaac cgcactccat atcaggctcg cgctgaactc tttcccatcc 120
 attcctccgt cattgaagat gccaaaggta aagctaagca gctgagcgct gaagcaacag 180
 ccgantttga aaaggcgagc gcaaaagctc aagccaagac tgggaagatc gaattatact 240
 ctggcagata ctatgctgcc tgtaccttgc gcggtttgat ggctgtgga ctactcacg 300
 ctgctgtaac tcctctagat cttgtaaaga ctctgtctca agttgattcc aagctctaca 360
 caagcaactt ccaggcctgg ggtaagatct atcgcgcgca ggggatccgn ggtatcttta 420
 ctggctggag tcctacgctt tttgggtatt ctgctcaggg tgccttcaag tatgggtggt 480
 atgagtactt caaaaagacc tactcggaata tggctggccc agaggcggcc accaagtaca 540
 aaactgggtc gtatcttgcc gccttntgac tnaaccgagt ttcttgccga ccttggtttt 600
 gncctttgaa gctgcaaggc cgatgcaggg t 631

<210> 456
 <211> 701
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(701)
 <223> n = A,T,C or G

<400> 456
 nttttataaa gcgctcaaaa nacatgancc taccagttg acaccatggg tgatgtactg 60
 gggtgncctc agctgttgct cctcgttgag tcttgggtct ggtttattat ttcattggatc 120
 cccttctatg gatactttcg tttgcttttc ctctntacc tcactctccc ccaaacgcaa 180

ggcgcccgac	tcntgtatga	ggaatacgtc	cacccgtacc	ttgaaaagaa	cgagacgcag	240
attgacgact	tcacgcgcgag	cgcacatgag	cgcttgactg	ctgccggaat	atcatacctc	300
aagctcgcca	tcgagcagtt	caaaatcaag	gtcctcggtc	tgccaccctc	cgaacccgag	360
tcgcctcctc	ccgagacaaa	ccagggttac	acgcagtcgc	ttctctcgcg	cttcaacggt	420
ccatccgcgc	gatgggcccgc	caacaacagc	ggcagtacag	gtaccgactt	ttacagtctg	480
ctttccagcg	ctgtagcagc	tgctaccaac	gcgggtgctc	agtcagctgg	tacaggacag	540
tgggtgggaa	aaacctacca	acccccangc	gttgattccc	ccgcatctgc	gcgagtctgg	600
accaagatgg	actttatttc	cactcagcgc	gaccgtctaa	acgttcttct	ctcngcactc	660
gatcgcgaaa	cacagatntt	cgctccgacc	ccaacgcgct	c		701

<210> 457

<211> 559

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(559)

<223> n = A,T,C or G

<400> 457

caacccagcg	gaggatgtct	ccgactgtct	tactaaaagg	tataccgttg	aggacaccat	60
gcccgcgaga	aatgaagact	gcgatgtaag	gtgtatctta	agtaaaccgc	tctccccaca	120
catcggaag	attaagcgga	ctgcgaagct	tttgcttata	cttggttgta	attgacttga	180
cagcctcgtc	ctctttgggg	aaagcccaca	tctcgaactt	gacgggatct	cccgagagtg	240
tggtacatc	aatgtcaaaa	cctgcagcgt	cgagggtgga	cattggtaga	aacatctcaa	300
ctgggtgggt	gccagtggaa	aanaactttc	cgtctgccat	cttngagata	acgctcttgg	360
gtgccgatca	tgaagatctt	ccatttgccg	ccggtgtact	tgtttgata	gtcggcgccg	420
tcaaagtccg	tctttgaggt	gacctactgc	gtgagggaaa	atggtgaagg	gaagtatgcg	480
tcgtcttccg	ccatgtcgcg	gacgggtgcc	ttgtcgtttt	ggtctgacat	tatgtggatt	540
tgtatggagt	aagttgttt					559

<210> 458

<211> 620

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 458

tcacctctggc	ccatgtcgtc	ctttcggtgt	tactctaac	ggtttctctc	ttgctcgccg	60
tatcgtcact	cacgctggtc	tgagctacac	tgacgccgct	ccttgggata	aatccaccac	120
agttggcgag	tctctcctca	cccctactcg	aatctacgtc	aaggctctcc	tccccatcct	180
ttctgagatc	aagggctctg	ctcacatcac	tggtggcggt	ctcgtcgaga	acgtaccccg	240
catgatcccc	gaatctcttg	ccgccgagat	cgagtctggc	tcatgggaga	tcccccttgt	300
cttcaagtgg	ctccgtgagg	ctggcaacgt	cgagcctatc	gagatgtgtc	gcaccttcaa	360
ctctggtgtt	ggtatggtta	tcgccgttga	tgccacaaaag	gccgatgccg	ttgcccgagc	420
cctcactgat	ggcggcgaga	aggtgtaccg	catcggcgct	cacccgacgt	gaccaaagcg	480
angcttggct	cattcacaaac	gtngactcgt	ggaanggctg	aagaccacgg	tgccctagcaa	540
gcgaaaagaa	tattggaacg	tgattgggat	aagaaaaata	tgcggaattat	gggagtccaa	600
tttcggttta	tgaatgggaa					620

<210> 459

<211> 624

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 459
 aaacgctacg gcactaccaa caagcttgcg ccttcgcaat ccctaccaa gtccactggc 60
 gcctggacct aaagatctcc tgcgacggct acggtgaact ggaactatct tacgcattca 120
 aaatggcggg ttccggttct gtggacagtc ccgtcaagca gcagcttggt gacaagctgc 180
 cgaagcgatt caagggcatt aaatttggt tccaatctaa ccaagacatt gccaaccaag 240
 ctgttctcga ggtttccgat cgcctattgt atgacatcga gaacaatcgc gctccatata 300
 gccacggccc tctagactct cgattgggta cctccagtaa gcaaggaaga tgttcgacct 360
 gccaaagagtc tctcaaagac tgcaatggcc attttggcca tgttcgcctg ccgctgnctg 420
 cgttccatgt tggatatntt cgnttcatca tgtcgattct gcaagaaata tgcaaggact 480
 gtggctcgagt tttgcttgan gagcccgaac gacaacagtt nctgaaggag ctacgacgac 540
 cattnctaga caatttacga cggaccctaaa tatgcaagag gatcaacgaa caatgccgaa 600
 aagtaanaac ttgtccttat tgnng 624

<210> 460
 <211> 641
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 460
 ctcaacacca acatcgacga ggttcagtac gatggtgaca aggctggttg catcaaggcc 60
 actatgactg gcgtcgaaga gatgaagttt gagactaagg ccaagatgat cctcggtgac 120
 ccctcctact tccccacaa ggccaagggt attggccacg ttctccgagc tatctgcata 180
 ctgaagcacc ctcttgcttg cagcaatgat gccgactccg cccagcttat cattccccaa 240
 tctcaagttg gccgaaagaa cgacatctac atcgctcgcg tttcttccgc tcataacgtc 300
 tgcccccaagg gctactggat cgctatcgtc tcaaccattg cggaagaaca cagccaacca 360
 ccacgtcgag ctccaggctg gtctagaccg catcggaag attgaggagc agttcatggg 420
 ccctcctatc cccatctacg agcctcttga ngatgggtcc aaggacaaca tcttcatctc 480
 caagagctac gatgctacta gccacttcga agacaaccac agacgacgtc aaggatatct 540
 accgcccgcg cactggcgaa gagcntaagg tananggttt gagggaaaag tatccaaggt 600
 tgctgaagga gcaattaaaa gtctcacgan cagtaaacag g 641

<210> 461
 <211> 572
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(572)
 <223> n = A,T,C or G

<400> 461
 cgccttcgct ttgtctcgct tctttttcca tctcatctct tttctcttct ctataccttg 60
 acaagtcgga agtgccttgc ctccgccata aacagtcctt cgcttctctc gtcacgacct 120
 gcgagcattg ttaataacta acgtcgacgg ctttagccca gaccatatct tgcgacatcg 180
 acgacacagc aaatactgtg tcgttcacct catttaatca atttcagtaa ttcttttttg 240
 ccgttccgaa gaaaaaccaa acttccgtca caatgggttg cggaatgagc acagangaga 300
 aaganggcaa ggcccgtnac gaggagatcg agaaccagct caagcgcgac aagatgatgc 360
 agcgaaacga gatcaanatg ctgctgctcg gtgccggtga atccggaag tctactatcc 420
 tgaagcagat gaagctcatc cacgaagggt gctactcncg cgatgagcga naatccttcn 480

agggaaatca ttttcagcaa caccgttcaa tcaatgcgcg ttatcctcna ngctatggan 540
tctctcgaac ttctcttga agaccagcgc at 572

<210> 462
<211> 647
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 462
cattcaatca accccagacc tagagtttat ctactccgac ttctcctat ctaactcttt 60
cattcctact ttgccttatt gcgcccttca acccacttac aatcccatcc tccctacaaa 120
ctcggccaag caatcatgaa gctgcattac atcgggtgtcc tccgcaacga gagccagccg 180
gctcatgaga ttgtcgtgga aaaggagctc agcagctact cgcgatttac ccgcaataac 240
tatggcgaat tcatgacact attcgcaaaag actgtgcgcg agcgcacccg tcttggacag 300
cgacaggatg tgcaggagca agactacact ttccacgcct acggccgtac agagggtgtc 360
tgcggcatca tcatctccga tcaccagtac cctgcccttg tggctcacca acttctcagc 420
aagggtgtcg acgagtttct ctccaagaac ccccgctcca gctgggcaac cggaacaccc 480
actctcgcca tgcctgagct gaaggagtac ctcaccaagt accaaggatn cccagcaggc 540
tgacagcatc ctcaagattc aagaaggagc tggacgagaa ccaagattgt tctccataag 600
aacattgaga ggggtgctaca gcgtgggaga gaaaaatcga cgatttta 647

<210> 463
<211> 541
<212> DNA
<213> *Fusarium venenatum*

<400> 463
tctacaccta cttgaaataa gctatatctc ccgaacattt ttatcagcca ataattcaag 60
aacatccata tcaaataact tagaacattg ggcttggttt tcaacaaagc caacatgctt 120
gggcccctctc cgttcttttac ttttaattggg cttaccaagc tccggccatt ggctgcccc 180
gggatgaacg cgggggtttgg gtcgccagca ccagcaattg gcaaatccct cagtatccgg 240
gctcttcccg gactctccaa gcggcggtta tgcgccaaaa gtggttgact gtccctcgac 300
gcgcccga aa atccgacttg ccgatggact ttcagaccag gaagaacctg ggttcgtcgc 360
cgaagaaaca acacaataga tccaatgaaa gacttggtat cccgagtcaa catctcgggt 420
ttcgacgccg aaaagtggat tgagaaaaac aaaaacaatg cgactgcgct acctaacatc 480
gccatcgcag cttctggtgg tggataccga gccctcatga acggaacagg cttcatctct 540
g 541

<210> 464
<211> 847
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(847)
<223> n = A,T,C or G

<400> 464
ggggtggtgt caccactgtg gttgacatgc ctctcaatgc catccctcct accactaccc 60
ttcatggctt cgaggagaag cttcgagcaa gccagggtca gtgctgggtt gatgttggtt 120
tctacgggtg tgtcatccct ggaaatgcc aatgagcttct tcccctcatc gaggtcgggt 180
ttcgaggatt caagggatc ttgatcgagt ctggtgttga tgagttcccc gccgtctctt 240
ctcaggatat cgccctggcc atggaaaccc tcaaggatag caagacactc tcatgttcca 300
cgccgagatg atccctccca tcaccgaatc cgtcggcgac acagtccaga cctcagaagc 360

aaccctcgct	cccgccggtc	aactcgatgc	ctacaagaca	ttcctcgaat	ctcgacctcc	420
tgctttcgaa	acatacgccg	tcgaggagat	tctcagccag	gcacacattg	ctcctcaagc	480
tccaccttca	tatcgcccat	ctctccgcta	cccagtgcat	tcctctcctc	aaggncgctc	540
gccaatccgg	aatcaacatc	actgccgaga	actgcttcca	ctacctcggg	ttgaccgccg	600
aggagaatga	gaagggcgac	actcgacaca	agtgtctgcc	acctattcga	gagggcaaga	660
accgcgatgg	ctttgggaag	agctcgtcgc	tgangattca	tgcatcagaa	ctgttgtgtc	720
ggatnactca	acttgcacac	ccaactgaag	ctccttcctc	aagaactcga	gacacgcgan	780
ccgacttgca	cataacgact	caggatcgtg	attcctgtcc	cgagatnaga	acctgtcncc	840
gaaggaa						847

<210> 465
 <211> 934
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(934)
 <223> n = A,T,C or G

<400> 465						
aatcaccaga	ccttgaccgc	aacccacttc	caccatctac	catcatcaca	taaattccca	60
accacccctt	gctttctcga	agcatattca	taaccacatt	tcgtttatct	tgtagactca	120
aaccatattc	acaaccgatc	atatcaaccg	ccaaaatgtc	tgcttccgag	cccaccgagc	180
ccaaggtcga	ggagaccaag	cctgaggaga	ccaagcctgt	cgaggctgag	gttgctgctg	240
agaagcctgt	tacatcctcc	tccgtcttct	ccatgttcgg	cggcggtgcc	aagaaggaga	300
agaaggaaaga	cgaggagcgc	ggcgataact	ctggcagcgc	taagggtcag	cgagaggctg	360
ctgaggccgc	caagggcgat	gaggaggatg	ctcccagatc	cgaggacgtt	cacttcgagc	420
ccgtcatcaa	gctgaccgag	aaggntgaca	ccaagaccaa	cgaggaggct	gaggagcaga	480
ctttcaagat	gcgcgccaa	cttttcaagt	tcgtcaagga	gagcagcgag	tggaaggagc	540
gtgggtactg	tgacgttcgc	ctgctcaagc	acaaggagaa	cggaagacc	cgactggtga	600
tgcgacgcga	caagaccctc	aaggctctgc	ccaaccacta	catcgtcccc	gagatgaagc	660
tttcccccaa	cgttggctcc	gaccgcagct	gggtctggaa	cgcccgtttg	ccgatgtcag	720
cgagggtgag	cccgaagctt	gttaccctgg	ccattcgatt	cgccaacgct	gagaacgcca	780
acaacttcaa	ggattctttc	atgaaggctc	agaaggagaa	cgaagagatc	ttccacaagg	840
nttcaggacg	ccgaggttct	tccttcctaa	acagcttgca	cttagaancc	ttccnaatcc	900
cctgcccttt	cggaattcat	ctcaatattt	ccac			934

<210> 466
 <211> 270
 <212> DNA
 <213> Fusarium venenatum

<400> 466						
aagcgcttct	tctgtcgcta	cccagagtgt	tctcaatcaa	ctcaagacct	acaggaagtg	60
ggcaccaaa	gcttcgagac	tcggaaggac	cgtgctcgcc	atgagtccaa	acacaaacca	120
acagtgcggt	gcccttggca	cgaccaggaa	ggacaacaat	gtctaagggt	cttcagccgt	180
gtggataaca	tgcgggacca	ctacaggcgg	atacacaagt	gttgacgagg	gatcgatgta	240
aataattact	aataaaaaggc	aacttttgcg				270

<210> 467
 <211> 495
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

<400> 470

cggctccggt	gtcatggggt	caaccctcaa	gctcgggcat	gacgccaaga	ctcaccagga	60
ggtcaacatc	cccttccaca	acatncttcc	catgggtccac	cccaatgact	tggtcatcgg	120
cggnggggac	atcagcaaga	tgaacctggc	acaggccatg	gaccgcgctc	aggttcttga	180
gcccactctt	aaggcccagg	tcaagaagga	gatggcgga	atggttcccc	tccccctccat	240
ctactaccct	gacttnattg	ctgccaaaca	ggaggatcgt	gccgacaacg	tncttgaggg	300
aaccaangcc	cgctgggagc	atggtganaa	natccgtcag	gatattcgtg	acttcaaagc	360
caanaatagt	cttgacaagg	tcatnatnat	gtggactgcc	aacactgagc	gatacgccga	420
cttgatcaag	ggtgtcaacg	atctgccgac	aaccttntna	aggccattga	gcagggacat	480
gangagggtt	ccccttctac	tgtntttgcc	ggcgnttgta	ttcttgaaca	agcccccttn	540
attaatggnt	cttcccaaaa	naccttcgcc	ctgggcccatt	gactttgntg	anaaacacaa	600
cncttt						606

<210> 471

<211> 666

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(666)

<223> n = A,T,C or G

<400> 471

catgtcgtcc	caagcggcca	aagccgccag	caacgtggtc	agcatcgcca	agaancaaac	60
cctccagtcg	actgggtatct	gggaggcctt	ccgtcgtttc	ctggccatcg	accctgagcg	120
ctccaacggg	gtccctctga	accctcactt	ccgtaaccct	ccccccggcg	ccaacgaccc	180
tctccagtag	gacgaccccg	ttacgctgcc	agctggcgac	atcgccgaca	atncttactg	240
gaagcgcgac	aaccgccng	gctacccccca	gctcagcgtc	gtcgaccagt	cccagttcgc	300
ccagctcctt	accgtttgga	gcgctgaagc	tcccaaggtc	gatcttatcg	gcgaggctgg	360
cganaagcag	ctcgtttgctg	tgaagcagga	gtccgagact	ggcctggcaa	aggctcttga	420
taaggcgggc	aacgcgacta	aggatgtttt	tgtcaacggc	atgccttctc	tgcccagcgg	480
ccagactctg	aacactggaa	agngggatgt	gcacaagtac	gagcttgagg	agtcactctta	540
tggtgaagga	tacccttgcg	ggtcattcaa	ataaattaga	agcgaactga	agatgtgttg	600
ataccacatt	atgaggtatt	gagggatat	aatttccatt	gacagcagat	gactttnttt	660
ttttcc						666

<210> 472

<211> 615

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 472

gtcttgacaa	ctcctcgcaa	cttcactaac	cagcagacaa	cacaccgccg	gacaagatga	60
agttcctcaa	ggtcggccga	gtcgccatca	tcacccgcgg	cagatacgcc	ggaaagaagg	120
ttgtcatcat	ccagcccgtt	gacaacggca	acaagcctca	ccctttcggg	cacgccctgg	180
ttgccggcat	tgagcgatac	ccctccaaga	tcacccgcgg	tatgtccaag	acccgccagg	240
agaagcgaaa	caagatcaag	cccttcatca	aggtcatcaa	ctacaaccac	ttgatgcccc	300

aangggcaag	gccaccaccc	agaaggctca	agaaccagga	cttttgcaag	gctaagctcg	720
agtctggttg	caaagaatca	aacgaagga	aggggttggt	actgctactt	gctgntgggt	780
ggcccccttt	ccaccggcga	agtttaagaa	ccgaggacga	cgatgagtc	ttcgggtctca	840
agccccgtac	atcgcccgcg	tcttctctct	cggcgactac	ctgtcggcgc	ctacatggct	900
tgctcgccgt	ggtgtcngtg	cccggtatgg	tccttctgta	aagtgatttt	tggatggatc	960
atggatatgac	tcgtatcttc	ttagcggngg	cctttttgga	atgtgcgtta	ttcccacatt	1020
gtgtcctttt	ttcttgtgta	tctagcatcg	ctttcatggc	ttgtaattaa	gaacgattat	1080
agatgtctaa	taccatcttg	cgcgaatgat	atgcc			1115

<210> 478
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 478						
aaaagatgac	attcttgcgt	ccaacgcaaa	ggatcttgag	cttgcaaaaa	aagctgctgc	60
cgagggtggg	cttagccaag	ctcttgtatc	acgattggat	ttggggaaga	agggaaaatg	120
ggaggatatg	ctcaagggaa	tcttggatgt	cagggatcta	gatgaccctg	ttggtcaa	180
tcagatgagg	acaaagcttg	atgatgatct	catgatggag	cgtgtctcat	gccccatcgg	240
tggtctcttc	atcatctttg	aggctcgtcc	cgaggtcac	gccaacattg	cttctcttgc	300
tatcaagtct	ggcaacgctg	ccattctcaa	gggtggaaag	gaatccacag	aatcctttgt	360
cgccatctca	aaggtcatct	catcagctct	tgagaccaca	aaggtcccca	actcagctat	420
ccagcttggc	acaacccgcg	atgccatcgc	cgacttntcc	ccaggaccgn	tatattgacc	480
tcgtcattcc	tcgnggctaa	acgagctggg	ccgttcatta	aaactcacca	anattcctgt	540
tctcggcncc	ctgatggctc	tgccatttta	cctgatgttt	ngncgaaagg	acaaggnttt	600
actgcacgtg	gctccaaant	antacccnc	n			631

<210> 479
 <211> 558
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 479						
aacgaatata	agtcgcttcg	atcacctagt	ccaccccccg	cttcatctgg	acctattgtc	60
ggcacatgcg	aggtgctgga	gaagaagtac	cttcgcctta	ccgccccctc	agttccatcc	120
aaagtccggc	ctgaacgtat	tttgcgtcag	acactagatc	ttctgaaaaa	gaagtggag	180
cgggagagca	actactcgta	catttgtgac	cagttcaagt	ccatgagaca	agatttgact	240
gtgcaacata	tcaagaacga	ctttaccgtt	tctgtttatg	aatccatgc	gcgcattgcc	300
ttagaaaang	gggatatttg	tgagtataat	cagtgccaga	ccagctacga	tcgttatacg	360
ggatgggcct	gaagggcaac	ccattgaatc	aaggcatac	gcattctata	ttttatccat	420
accgcenacc	gaactggcct	gaacaaactt	tggcagattt	acttcngccg	aaaaggagaa	480
aaggcnataa	cctgccctgg	atntcgatca	ctttggcgcn	ggaaacatct	aggtctccac	540
tctcttggat	acccaaca					558

<210> 480
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 480
 ttgaatcgcg tccctcaatt tgtacgtcga ttgtataaaa cacggcctat gccctcaatt 60
 ggctctacaa cgaagtaaca aacgcaacga tcgtaacgag cgccgagAAC aaatactcca 120
 acatgtctga aaagaaggcg gacgcaccaa caaccaaAat gctctgggggT ggcagggttaa 180
 aaggTgggaa tggatccgct tatgcacaag tacaatgcct ctatcgata caacaaggct 240
 ctctataaag aggatattct tggatcgatt gctttcgcca ganccaaactc aaaggTcggc 300
 attattaccg aagatgaatt caagacaatc gagcagggtc tgcttaaagt aatggaagaa 360
 tggaagcagg gaacctttgc tattatgccg aatgacgaag acattcatac tgcaaacgan 420
 cgtcgattag gagaggTcat cggaaaggac accgctggca agctgcacac aggtcganc 480
 cgcaacgagc aagTcgTctg tgatatgcac atgtggctac gtgaccgcat ccgtgaaatc 540
 gacagccaac ttgtttactt tccttcaagt cctcaccAAA cgcgccgang atgaaatcga 600
 ctacTcatg cccggttacn ctcacctaca ac 632

<210> 481
 <211> 564
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 481
 gttaatgctg tccttgTcgg tgaagccatc atgaaggcgC cgcacgccag tgttttcatc 60
 agtcagctgt gctctggaac tgagcccgca gccaaagacag atgccgtatc gtctctatac 120
 gtcaagatct gtggcactcg aagtgcTgaa gctgcacgca gggccgcCga ntcagganCa 180
 gactttgtgg gcatctgtct tgttcccaat gccaaagcggt gcatctctca caagactgcc 240
 cttgccattt cagaagctgt gcacacttac cccagcactc aaaagtacga gacacaggTg 300
 gcagcagtag acaacaaaac caaggacttt ttcgaggctg caactcagaa actccgctgc 360
 cccgaactca gcttgTcggc atcttccana accagcccct gaacgaggTt cttganaaac 420
 aaaacaatac aaccttgacc tcctacaact acatggtgat aacctattga gtgggccaac 480
 ctcatctgt tccagttgtt cgatcttcaa nccaagtcag gttggcattg gtcgtcncgg 540
 atacacacag tcctctctc aatc 564

<210> 482
 <211> 432
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

<400> 482
 atcacanccc ctgaaataat cgggtgtcaag ttgacgggtc agttgagcgg ttgggctant 60
 cccaaagatg tcatcaacgc agttgcaggg atccttgagg ttaagggtgg cactgggcaaa 120
 atcatcgaat actttggccc tgggtgcagag acaatatcag ccacagggat gtnttctatt 180
 accaakatgg gcgctgagac aggagcaacc acatcaatct tcccatactc tgaggctatg 240
 tctgcctact tgcgcgcgac tagccgacct gagttagcgc aagctctgga agtggccaaa 300
 catgagctgc aagcagacga ggggtgtcaaa gtatgatcat gttatcgaaa tcgacctatc 360
 tacactagag ccacgcatna acggnccggt cactcccgaA ttatcgaccc cgatctttta 420
 agcttgacga gg 432

<210> 483

<211> 406
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 483
 nacaacgccn acttccgaca gaaggaggtt tttgagtggc gcgacaccac ccaggaggac 60
 cccgatgagg tccgcgccgc cgagtccaac ctcaacttca tcaagcttga cggatgatatc 120
 ggctgcctcg tcaatggtgc cggctcttgc atggccacca tggacatcat caagctgaac 180
 ggtggtcagc ccgccaactt cctcgacgtt ggtggtggcg ccaccctgc tgccatcaag 240
 gaggnnttcg agctcatcac cagcgacgcc aaggctcactg ccattcttgn caacatcttt 300
 ggtggtatcg tccgatgtga cgccatccca ctggtcttat caagaccgcg agagctttga 360
 accttaagat ccccatnatt gcccgcttct agggtagcaa cgttga 406

<210> 484
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 484
 atcgccaaaa tggatgcatc cgtctttccc atcagtcact ttcccaaacc attacactct 60
 ggcgaccggc ctgtatcctg agagccatgg tatcattagc aatacattct gggatccccga 120
 acttcaatca caattctatt acaccatcc ggatcagagt ctggacccaa aatggtgggg 180
 aggagagcct ttctgggtga cagcagagag acaaggaatc cgaagtgcc aattcaatgg 240
 gccggggagt gaagcgcagt ttcttcatac cgagccaagt ttgatggata aattcaatgg 300
 caaggagacg ctgcacaaca aggtctcaag gattatggaa tttctggatc tgccctgggtt 360
 tgaagacaag actctggatg cgagcgatgt gcgacctcaa ctgattgccc gcctacgtac 420
 ctcatgttga ccgtgatggc cataagtttg ggcccaatac cacccgagat tcgcaaaaca 480
 attcaaagat gtcgacggta ttgataggga aagaattttc acnngctttg aagaacgcca 540
 cttggcaaat attggnaatg taatccgttg tttcaaaatc acggnatggg 590

<210> 485
 <211> 545
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

<400> 485
 tgatctaaaac ttttcacgtc tcgtcatctc ttagcgatag tagctcccaa catttgttcc 60
 aatacagctt atctgtcccg ccatcatata ctatctatct gattgtactt tcattcatca 120
 acttcagagc aaaacagaac aaatcaaagc catcacgatg ccttacgtat ctgctgctcg 180
 ctacggaaag gacaatgtcc gcgtctgcaa agtcgatcgc gatgcttcta ccggtgttca 240
 gaccgtcaca gagatgaccg tttgctgtct cctcgagggc gagattgaga cctcatcac 300
 ccaggccgat aacaagtgtc gtcggtgccc ccagactcta tcaagaacac catctacatc 360
 accgccaaagc agaatcctgt taacccccct gagttgnacg cctcaatcct cggcagccac 420
 tttattgaaa agtacaagca catccacgtt gccaacgtca gcgtcaanac tggtcgctgg 480
 gcgcgtcttt gatgttgatg gcaaacctna tcttcacagn ttttttaang gtggnnganga 540

gaccc

545

<210> 486
<211> 631
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 486
cgccaactac acctaacctt acaccatgtc cggccctttc tctagccctt tnggggagaa 60
tagcaacccc tttggaacag acaggggcaa gaggacgaac aatgccatcc atcgtgttgt 120
cgaggaagag gatgaaaacg acaccatcac atcgccctacg aacgctcgtt ttggagcatc 180
accaaactct gcctctatgt tctcggggccc ctttggcggg ggggttggtg gcgactcttc 240
tgctgaagca ccttctgcgt cngnaaacgt cccaaaccct gatagctacc cggcccagta 300
taacttcggt cgccgaactt cagtatctgc cgaatctctg aaaccctagt ccgattccta 360
cgataattgg tcaccccctt tccatganaa gaccccggtat cagatcgagc gtctcaagca 420
cgccatcgaa ggcaatttcc ttttcagtca tctggaggat gaacagagcg ctcanatttt 480
gggtgcactt gtcnaaaagc cgataaccagc aagggggcatc aaggtaatca agtcagggag 540
atgctggcga ctacttntac gtagtcgaag aagggatctt ttgacgtnta tgtcaaccct 600
tagcgggtng ntacaacccg gtcccgatgg n 631

<210> 487
<211> 890
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(890)
<223> n = A,T,C or G

<400> 487
ctaaccgttt gcttccaaac ttcccattct accatcacaa acctcacgat gtcgtcgtcg 60
tttactcggg tcgtgcgtcc tgcgctcaga ggtggacgag ttctcacaca gcgcatcgcc 120
ccgctagcca ctgctcctca ttccatgacg agaacaagcc ttaacactgc tcgttccctc 180
tctacaacat catcccgccg cagcgagcat gtcgatatct ccgagatccc tcctacacct 240
attaccacc tctctgagct cgagaccgcc atggttgaca ccgtctcaa atttgccaca 300
gatgtgattc ttcttcgcgc gcgtgacatg gacgaggcag aggaaatgga cccagctgtt 360
gtcagagcagc tggtcgagca ggggtctaag ggattgaga tccccgaaga gtatgggggc 420
gctggtatga acttcactgc cgccattatt ggcattgagg agcttgccgc cgcanaccct 480
tccgtctcag tgttggtaga tgtgcacaat accctctgta acacagctat catcaagcac 540
ggntccactg ctatcaanaa aaagtggctt ncacgtctgg cgacaaacac tgnccgcttn 600
tttctgtctc tccgagcccc tctntgggtc cgatgccttt gccatggcta caagggccac 660
ccgaaaccgc cgacggttta aagatctctg gcagcaaaaa gtggatcaca aactccaagg 720
aggetgatct ctttattgnc tttgctacct tgaccccacn agggttacaa gggtatcttt 780
gcctttcttg tcganaaagg caccaanggc ttnttcatcc caaaaaanga aaaaaaactg 840
ggtattccgn gccctnaaca natgcgttat caacttttga caatgtcgaa 890

<210> 488
<211> 691
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(691)

<223> n = A,T,C or G

<400> 488
actaaccacca accctcccg gaccgggaga tcacacgatt cgagatgggt cactcatacg 60
gaaagagagc gggcaccggn tatgccttca gccgggactt ccgccagang ggtatgattg 120
ccctgaacac ctacctccga caataccgng tnggagatat cgtcgacatt aaggcgaacg 180
gtgccgtcca naagggtatg cctttcaagg tctaccacgg aaagactgggt gtnatctaca 240
acgtcaccaa gtccgntgtn ggtgtcatna tctacaagca ggtcaagcac cgatacatcg 300
agaagcgaat caacgtccga atcgagcaca tctcgcagtc ccgatctngn gaggacttct 360
naagcgtgtc aaggctaacg ctgaggccaa gcgtgaggcc aaggccaacg gcaccgtcgt 420
ccaagtcaaa gcgtcagccc ctgggacccc ggggcgcccc cactactgtcg ctctccgaga 480
acccccccat gaccgttacc cctcttgctt acgagaccac gatctaaaag aaaagatatt 540
gcggggggtg gtgggtgcttg cttctattta tttgggggat tgcgtccgga tgggaaagaa 600
ttctgcatgg caagggtctt ccttttgatg tctgtacggc atagaaccaa aaaaaagac 660
atcgtttgaa gcntgaataa naaataaaaa t 691

<210> 489

<211> 658

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 489
tgccgcgctg gcgaacttgc tgcaagtccg aggagtaccg ggccangatc gcgaagggcg 60
ataccggcga ctttctttt agcgaggtta tttctgccaa cattggcaac cctcagcagc 120
tcgaccagaa gcccatcacc ttcttccgac aggtcggcag tcttctcgag aaccccatcc 180
tgctcgagaa cgaggaggct cttactaagc actttggcta caagaccgat gtcattgagc 240
gcgccaagtt cctcctgagc aagattggat ccgttgggtc ctacagcgcc agcactgggtg 300
ttctgtctat ccgcatagc atcgcacagt ttattgagcg tcgcatggc ttccctgctg 360
accccaatca catttacctg tccgggtgggt cctcttccgg tggttaacact ctcccttaacg 420
ttatctgcgc ctcttctaag accggtattc ttatccctat tctcagtag cctttttaca 480
ccgccaccct gtcttttttt gacgccaccg gtgttcttac ctgggtcgacg aagtcaaaga 540
actggggtag tgatgtcgat acttttccg cttnttataa aaaggccaan gccgacggcg 600
ttgatgttcg ctttatcgta tnatcaacc tggnacccca ctgggggttc ctctctga 658

<210> 490

<211> 1020

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1020)

<223> n = A,T,C or G

<400> 490
gagtnccccc tctctctttt ccttttaaac gtccaaagaa ctcaacagct ttctttccac 60
ccccgcagaa acccacctcg tgtctgggtc ggggtataacg tacagaacag cacagcacat 120
ttttttgtct gtgtgacctc tgaggctcaa ttgaattgct catcacaaga gcaagagcga 180
gagcttcacc tctcanaga atagagagca ttgtgtgttt ccaaggcggg gaactnaaaa 240
agctccacca tgctctctcc tgccgacaac gactcgnttc tcgcaagca ctacatcgac 300
tatgtctacg cgcttggtct gctcctgatt gttggcactt tgattgtcaa gaaggaatgg 360
actccttacg ctgcccttat cgctatcgcg ttccggcatc acaacttcat ggcttccag 420
gtcaagaaga ctcttaagcc tgatgttttc caggacttcg agctcgagga gaaaaccatt 480
gtgtcgacac acgtcgccat ttaccgcttc aagcttccca gcccgaagca cattctcggt 540
cttctatcg gtcancacat ctccattgggt gctccttgcc cccanccga tggttctgtc 600

aaggagattg	ttcgctcgta	cacccccatc	tctggtgacc	accagcccgg	ccatgtcgac	660
ctcctgatca	agtcttacct	tcagggcaac	atttctaagc	acatggcttc	tcttgctggt	720
ggccagacca	tcaaggtccg	tgcccccaag	ggcgccttcg	ttacacacc	caacatggtc	780
cgacactttg	gtatgattgc	tggtgggtact	ggaataactc	tatgctccaa	gtnatccgng	840
tatcgttcgn	ggcnaacccg	ccggtgacag	accaaggttg	acctgatctt	tgcaacgtta	900
gccccaaгаа	atTTTTTTaa	ggaggatttc	gaacttttgg	ttgccaagan	gctgggatcc	960
gggacactag	ttttnaaaaг	cctcggaggg	ttggactggg	ggcttgggta	acgtactggc	1020

<210> 491
 <211> 600
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

<400> 491	
ttagaccgag	gcngtcttct tgcagaaaaa gagaatgctt cccttgcccc aatcgcaaca 60
aatggatgga	ggcaagaaga cagagtatat gagcgcatca tggagaacgg ctacaacгаа 120
agagatgaag	tgcttcgtgc agagtttсga gaaacagaaa caatgctcga ttcctctatc 180
ttgatcgctc	ctcttgctct ctccatctcg ccctgcgacc cacgcttcct taacactctc 240
gatcgatatcc	tcttaccctcг tgagaaagga ggtctgacaa gcaccgggtt agtataccgc 300
tacgacactg	agctttccaa cgatggagta ggcggagaag aagcgcattc agtatgtgca 360
cattctggct	agttgaggcc atgaccagag cagctgtgta cgagccaaag tatctgggtc 420
gggctgtcaa	cttggttgag aatatgcttg gtttctccaa ccacctatgc atgttctcag 480
aggagattgc	aagaagtggг gagcagcttg gtaacacacc ccaagctttt agtcactctg 540
ccttgatcag	ttgcggcttt caaccttgaa cgtgttgcaa ggtgagactt ttgacagtat 600

<210> 492
 <211> 660
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n = A,T,C or G

<400> 492	
ctccgactcc	gagaaacgac gtccccatct cgccgcctca cattcgatcg cagcagtgac 60
ggtctagctc	gcccataatg tttgctaggt cgtgttttgcg ctcgacgcgc accctcaatg 120
gccttcgcaa	cggcccttcc gctatcgcca agcgtgcgcг ttcctcaagc gccaacgcgc 180
ccggtgatgc	cactgccact cgactgaacc tggccgcgcг cgctcgacc actctcgccc 240
tgggtcccat	ggcctggtag taccatcttt atggacctgt ggcttttgcc atgactcccg 300
ctgaggaggg	tcttcaccct accaagtacc cttgggtcca caaccagatg ttcaaganct 360
togaccacca	ngctctccgc gngggtttcca ggtctaccaa gaggtctgca gtcctgcaгt 420
cccttagccg	agtccttacc gaactctcgt cggttccatc ttgancgttg acaangncaa 480
ggccttggcc	gaagaaaaca aatacccggг gagcctgatg aacagggcga gatccaaagg 540
cgccccggaa	agctgggcga ctacatgctt ccccttacia aaaaaagagg tgcccгattg 600
gnaacaacgg	gggcctgccc cggattgttt tnatantaag gcccgaacgg ggggtgggata 660

<210> 493
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(634)
 <223> n = A,T,C or G

<400> 493
 atcgccgtca tggttgtcaa aatccgtctc gcccgcttcg ggcgtcgaaa ccagcccttt 60
 tacaacatcg ttgttgcccc cgctcgaacg gctcgttaact ccaagccgct cgaagtcatac 120
 ggcacatatg acccgattcc caaggccgac ccttacgaca attctggaaa acttcacaag 180
 gatatccaac tcgacgtgac gcgcgtgatg tactgggtcg gtgttggtgc acagcctacg 240
 gatacggcat ggcgattact ctccatgatt ggcattctac caaagaagca gttcgggtccc 300
 aagaaggacg agttaaaagg tgttttggac aagaacgaag tncagattcg ataaaaaagc 360
 aagaaagggtc cggaagctgt atgataatgn ataaaaagac atttcgaggc gttgggttcgg 420
 ggatcgatat cacccgattg gatgancagc aaaaatngag agcaaggcag gacaacacag 480
 acatcacccg ggatcttttg cagggtgataa aggccatgcc gttttaagag gagacggaat 540
 tntnctatgc tngaacgggt gntcacccag ccaancattt ggtctttcna attggntgaa 600
 cgnatccaat ccatgttaac caattaaagt ggtt 634

<210> 494
 <211> 625
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 494
 catgaacgtc ctgcccctca tcaacaaggc cttggtcttc ttccagtgga agcaagactt 60
 caaggaggcc gaggcccttt gcaagaaggc tnttattatt gaccccgat gcgatatacgc 120
 cggtgtact atggctcagc tcctcctcca gcaaaacaat gttcctgctg ccctcaagta 180
 cttcgagcgt gccgcccagc ttgcccgaac cgaaggcgag attgtaaatg ctttgtccta 240
 tgctgaggcc acacgaacac aagtccaagt tacggagaag taccccaagc tggcagcaaa 300
 gttggcaggt ggtgcccggc ctggaggcct tcgcatggga cctcaataaa tgcgtatgag 360
 acaaaatata acgggccaga acggcggtga aagtgtacga atttgagca nacgaaaaaa 420
 aggaaggcgt tgaattagga tgggatgcgg gacacgatca caccaccctn tgtccaatga 480
 gggagctcac tcagcgacga actgtctcgc ctcaccaaca agtgaagtc attgcaatgc 540
 tttgcagctg ggaactataa tgcacacatt tgaccctact gncctgtata taataacact 600
 tcttttatct ntttgtangn atatg 625

<210> 495
 <211> 646
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(646)
 <223> n = A,T,C or G

<400> 495
 tctgaccccg atggnccegc cgaggctctc ttccagaaga gctacttcca gctcctccac 60
 gacgtctctn gtgagggcgg tgtcattact actcaagccg agagcccctg gcttcacctc 120
 cccctcatca ctgctctcaa gaaggactgc ggagccatct tccccgtcgn cgagtacgct 180
 tacaccacca tgcccaccta cccctccggc cagatcggat tcatgggtctg cttcaaggac 240
 cccaaggccg atgtcaagaa cccctccga tcctggacca aggaggagga ggatgctaan 300
 cttccgatac tactcttctg agatccacaa gggccgnctt cgttcttcca aagttcgatg 360
 ccaaggctct tgagtaaagt cgtctacaca caaaggattg atgcagattg gtttangtgg 420
 ctacgtttat gagtttacgc agaaaaggga tcantgggga caaaaaaggc catggccaca 480
 tagattcatc ncggacgcaa aggtntatat gtcctcagtt ggaaaatnta ttgnttttnc 540
 tgccaaaaaa ctgcacatgc ntctagaggg ccaattcgnc tatattgagt ctattacnat 600

canttggcgg ngtttaaacg tcgtgnctgg gaaacctgcg taccca

646

<210> 496
<211> 532
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 496
gcgcaaccat cttttcaagt atccgccatg ccaccccgaga tcaagcaaga tcttaatcgt 60
tcaggatggg agaccaccga tttccctcc gtttgcgaga cgtgtctccc cgaaaatcct 120
tacgttaaaa tgctcaaaga agactatggg gcggaatgca aattgtgcac tagacctttc 180
actgtatttg cttggagcgc tacgcgtgcg aacggtcgca agaagcgaac caacatttgc 240
ctgacgtgcg cgcggtctcaa gaattgctgt cagtgttgca tgctcgatct ttcctttggc 300
cttcctatcg tcgtacgcga tgctgccctc aagatggctg cccccggacc cagtccgaca 360
tcaaccgaga atacttcgcc cnaaataacg aacaattgat tgaagaagga aaggttggac 420
cagaanaata cgaaaagaca gacganaaag cgcgtagcgt gtttcgaaaa ctcgcaaata 480
gttaacccta cttccgcaaa ggaaggacta tccaagaagg tgaaaatttc ca 532

<210> 497
<211> 629
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 497
caactatggt cttcagggtt gcctcaagtt cggcgctccc tacaatgatt ttatctttga 60
gaccatgctt gctcgcatgt gggaggctgc ccagggccgc tacggtgctc gtgctatgag 120
agcctgtctt gaaagtcacc actccaccaa ggaccagcag cgaatgctag ctgccgccat 180
cgccctaaac agtgtccagt tggcaaccaa tgctaacggc gcccttctct tgacttggtt 240
cctggacacc tgcactttcc ctcagcgtcg aacagttttg tcgccccagc ttgtgcctta 300
cctagtccat ctctgtaccc acaagggttg ctatctcacc gtgctgaagg tcatcaatca 360
gaaggcagag gcagacgcc aagacgccat tctccaggcc ttgtttttca cgcccaacga 420
tcaggttctg gaggccattc tgaaagatna ccagtgcggt gctactctca tcttcaagg 480
gcttacgacg cccttcctcg atgagtctat ccgcaatcaa ggttggtgag aatgttaaga 540
atgtccntgt caagatnaaa gctcaaccca accaagggtg caaacgcctg atggatnagg 600
tcggcttgtc aatcccaacg ctggnaaca 629

<210> 498
<211> 853
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(853)
<223> n = A,T,C or G

<400> 498
ttcgagggtt tgaatgagct cgtcatcgat cgtggccctt ctccctatgt ttctaacctc 60
gagttgtatg gcgatgacta gcttcttact gttgtgcaag ctgatgggtg tattttctct 120
actccaactg gttctacagc atactccttg tcagctgggtg gtgcccttgg ccacctgat 180

atccctgcc	tccttctcac	ccccatttgt	cctcacactc	tctccttttag	acctatgggc	240
ctctccgata	ccatggccct	tcgtgtcgtt	gttcctcgca	actcacgagc	cactgcctac	300
tgtgctttcg	atggtaaggg	ccgtctggag	ctgcgacaag	gagaatgtgt	caacatcact	360
ggcctctaag	tacccttcnc	taatggaacc	cgcaccgaca	ccgagtgggt	ggacagtggc	420
agccgaactc	tengntggaa	cgcccgcgct	tttgtctana	anccttttga	cgctgaagtt	480
ggatgaagatg	gcaaggacga	atgatgagat	cggctgggat	atcgacaccg	atagcgcatg	540
ctacgctagc	gaagatggga	atgtcaagtg	ccagtcccat	ccgtcgacaa	atgagcctcc	600
tgggtctatg	atgcggagtg	ccaccatata	caagagaaga	acaaatgatt	aaggcaaggt	660
gttggcggcg	tttggtttt	ttgcaccacc	atttaattgg	aatacaaaca	tttgatagat	720
cangccccc	attgttgatt	aaaggaggac	cagtcaaggg	ataattcaag	catgatggcg	780
aacaaggtag	ttaaaccattc	tagattcaga	agacatatcg	tctttggcta	tgcaatatac	840
acaatgcatg	act					853

<210> 499
 <211> 576
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(576)
 <223> n = A,T,C or G

<400> 499						
ctcctcgag	cttgcgtagt	ggtgtcttta	cctttgacct	cgcccgcgat	cagctcgttt	60
atggattctg	ctcaggctct	ccttgctctg	ccgctttcat	gattgtcaac	tacgcttcgt	120
ctgggtcaagg	ttactacaac	atgggtccctc	actgtaatga	gagcggaacc	gagggctgtg	180
accttgttta	ccgtgctcgt	gccacaacct	tttccacctt	ggcctgtttg	ttgttggtca	240
ccgcttgagg	ngtcaagcac	ttccaccgca	gtctgtttta	catggacgaa	cgtgcttcgg	300
gtcctttctc	cggtgttcaag	ancatctacc	acaacaagtc	ctcttctggg	ctgtcattgc	360
tggtttcgtc	atgatcttcc	ccatcgtgta	catcccctac	ctcaacactg	aagtcttcaa	420
gcacaaaggt	ctcacttggt	aatngggaat	tgtccctggc	tgcgtgatct	ctacnttgct	480
ctcatcgaaa	ctggaanggc	atgaaaaaac	gggtcaactgg	ggatgaacc	acctatacng	540
tcaggtgact	ctaattccata	aacaaatgat	taaaaac			576

<210> 500
 <211> 594
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 500						
agcgatacta	tgatgaggag	cacaagcaaa	tgtctgagcg	tccgtacgat	ttcaacagct	60
ggcaagacag	cgagacggcg	caggctcttg	ccgctaagat	gggccttgac	gacattcttc	120
tcgagggcta	tgccgaaatg	cctacatacc	gaatgctcat	ggcgtacctg	gcgaccgaag	180
gcgggcgatcg	caacatgctc	ttaccactcg	atggcggttg	gggtactgcc	ctcctagtta	240
aggccgacgt	tcacgtgac	ggtgccatgt	ttcctccatt	ctctttctac	cacctgattg	300
agaccgaggg	attcgccaag	atgcgaagcg	attaggctgg	cagtcagggg	gtcttcccaa	360
ctataaggtc	taccactaca	acgagtanag	attgccgtat	caactttgca	tcggcaactt	420
atttcaactgc	cttgccattc	cctttcacaa	cttctagtgt	tgaaaaaggt	natggcgat	480
tggaaaaagc	aacggaatgc	tgctttgttt	tnccatggac	aatcataatc	aattgggcng	540
gttttggtcc	cgctttttatt	atncaccttg	gaacaattct	tttccaaaca	agga	594

<210> 501
 <211> 848
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(848)

<223> n = A,T,C or G

<400> 501

agcatcttct	cgcttccag	caacttgacc	aacgcacgag	ttctaactca	accgaatcaa	60
tcaactacac	ttttcaccaa	ctctcaaate	tttcgaaatg	gctcccaagg	ctgctgacaa	120
gaagcccgc	tccaaggctc	cgctgctac	tgctccaag	gctcctgaga	agaaggacgc	180
cggcaagaag	accgcccgtt	ctggcgacaa	gaagaagcgc	tccaagaccc	gcaaggagac	240
ttactcttct	tacatctaca	aggtcctcaa	gcaggccat	cccgaactg	gtatctccaa	300
ccgcgccatg	tccatcctga	actccttctg	caacgacatc	ttcgagcgtg	tcgcttctga	360
ggcttccaag	cttgccgnc	acaacaagaa	gtccaccatc	tncttccgag	agatccagac	420
ctctgtccgc	ctcactcctn	ccggtgagct	tgnaagcac	gctgtctctg	agggtaccaa	480
nggccggtac	caagtactct	tcctcgacga	aatagggtgt	ttgatagctt	gatttgtttt	540
gggcatttag	tttttcacgc	gtggcatcag	ggtgtcatga	atctgagggt	tcacggggat	600
ccagccctgt	ttttgggggc	ctcataatgc	gttacggatg	gttttgtttt	ttttttatcc	660
tgggggcaat	gtcttcacac	acgggcaacg	gggttcgcgg	ttgtacaata	aacatcgaga	720
atagggtctc	gatcaaata	attcgtgcac	attagctttc	tgatcatctt	ctattgngta	780
tcccattcct	taatgtaaat	ccacaatctc	ttgcagtcac	agtggattcc	gattacccta	840
actcatac						848

<210> 502

<211> 622

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(622)

<223> n = A,T,C or G

<400> 502

cgcgagggag	gactggtgt	tgagctgtgg	gcctgggttg	atgctgaaac	tgatgccgaa	60
gctgatgaga	agtgggtgat	tctgacaaac	gctctgtctg	gactattctg	tgccagtctg	120
aactttatcg	acgagaccgc	aacgattoga	cccgctcatg	ccttccagcc	cgatggccac	180
cactccaatt	cctcggtggc	caacacaaga	cttctccatg	gcgtcttacc	acatgaagtc	240
gtatgcaccg	aaaacttgac	acctttcctc	aagttactgc	catgtaaggg	caaggctgga	300
attgcaacgc	tactggatgg	acacaagctc	tttgatgcct	cttatcagag	catggcaatt	360
gacgtcagac	ccaagtgtga	tgcggtatgg	gaatgcttcc	tggaaatgga	ggagactgtg	420
gacatgggtc	tcgatattaa	ccgctccaag	agacctcaaa	acaatcctat	cccaagaccc	480
cctnctgctc	acgagcttct	ctgcgatacc	tncaaactgt	accactccga	tacacttgct	540
tncccgncca	cagcctcgat	ggccaagact	ggagttttat	tcaagtattt	gggcgatcca	600
ttaaanggaa	catgcccatt	gn				622

<210> 503

<211> 477

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 503

gtctacggta	tcaacctcca	gcagcaccgc	aacgatgttg	anacacccc	caagcacttc	60
agcaccatca	tcacccttaa	ggacactgct	tcctccccg	agagcgtgc	tcgcgacctt	120

accatcgcta	ccatcactct	naaatacact	cagagtaact	ctgtgtgcta	cncctacaac	180
ggacaggtcg	ttggtctcgg	tgctggacag	cagtcccnaa	tccactgcac	tcntcttgcc	240
ggcgacaagg	ccgacaactg	gtggatgcna	ttccacgagc	gcgttctcgg	nattaaatgg	300
aagaagggta	ccaagcgctc	cgacaaganc	aacgccatcg	acctgctcgt	caagcggcca	360
nctttctaan	gatggccctg	agcgtgaggg	tttcgagggg	gttttcgaag	aggtccctgg	420
ttcttttact	tgccnaggag	cgtgnngcct	ggataaacac	tnaanacgtt	gcgttttc	477

<210> 504
 <211> 2036
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2036)
 <223> n = A,T,C or G

<400> 504						60
cctccctctc	tcctctctgt	ctcctctctc	acacacacac	acactctcat	tcactctgtc	120
aatcatgtcc	aaacacgact	cgggcagcac	cagcaccggg	gccatggaag	cccgcaattg	180
atcaaaaagc	ctcgacgaaa	actccaaaag	cctctggcgc	aggcaaccca	gaaagctgcc	240
cgatcagctc	ctcgagaacc	ttggctacaa	ggctgagctg	tcgcgaaacc	gttctacttt	300
ccaggtcgct	ttcatgtcct	tcgtcctcgc	ttctattccc	tacgggtctcg	ctacaacctt	360
ggcttacctt	ctgattggcg	gtggccctgt	caacggtatc	tggggatggc	tcgccgtctc	420
tctcattatt	gtctgtgtcg	ctgcttctct	tggtgaaatc	accagtgttt	atcctacaac	480
tggaagtgtc	tactaccaag	ctttcatgct	ctccctcctc	cgatggcgct	gcattgcaag	540
ctggatctgt	ggctggctct	acattgtcgg	aaacattacc	attaccctcg	ctgtcaactt	600
cggtagccgc	ctcttcattg	acacgtgtgt	caatgtcttt	gagtcgagcc	ctgggtgtcg	660
tgatcatgtc	ggagaggcct	accaggtctt	cctcgtcttc	ctcgggtctca	cattcctttg	720
caacgccatc	tctgcgctcg	gaaacaaata	cctcccatgg	attgataacc	ctgctgtgtt	780
ctggactttc	gctggtgtta	ttgccattgt	cgtctgtgtc	cttgctatgg	ccaagggagg	840
ccgtcgcgat	gccgcttatg	tctttgggtc	tttcgagggc	aactctggat	ggcccaaggg	900
ctgggtcttt	tgtgtcgggc	tcctccacgc	tgccctacgt	acctcttcca	ctggaatgat	960
catctccatg	tgtgaggaag	ttcagaaccc	ttcgggtocag	gtccccaagg	ccatgggtcg	1020
taccatcttc	atcaacacct	tcgtgggtct	cctcttcata	atcccggtga	tggtcgtcct	1080
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tggttggtagc	tcgggtgggtg	cctttggact	cctcttccct	ctcatcgctc	tcgccatcat	1200
ctgcgggtatt	gggttgacac	actggccact	tctcgatgca	catgggcttt	cgctcgtgac	1260
gggtgctatcc	ctgggtgcta	agtgggtggc	caagggtcaac	acttcgctcg	acnttctctt	1320
caacgctatg	atgctcacat	ggttgtccan	atcatcctcg	gtatcatcta	cttcgggttcc	1380
tctnccgcct	ttcaacgcct	tctctgggtg	cgggtgtcatt	tgnttctgac	aggaaagcac	1440
cctagaccaa	tagcncnag	aacgctgcca	gcccaaagat	gtaactttgt	caagcctgaa	1500
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gatggcggtg	tagncaaagg	ggaaaccnga	gagtgaaact	gagaccaccc	ttgacggcaa	1620
ggggaagacc	ggcgacgaag	ctagcgatgc	tcaaactctc	gaggtggaga	ccgacgatgg	1680
gagcggcgag	gtaggcgatg	gagaagccgt	agaggggtgac	ggagagagta	gagccgggtga	1740
tacgggttcca	ggcggagcta	ccgaaccatg	tctgctcgat	cttgtagatg	gccagatggg	1800
gagagacggg	tcgggttgagg	cgctgggttaa	cgaggatctg	ttgaccttcc	tcttgagaga	1860
ccttgacaga	accagtagag	gcgcgggttg	gagaagaggt	agagatgcca	gcagccagag	1920
cactcttgga	gatgttctga	gcaaagaaag	gcttgcccg	gcctgagcgg	agggcggtga	1980
cgccaacacg	ttgagcgagc	atcgtggaga	ggattatttg	ttcggatttg	agggagggag	2036
gttcgtccaa	ggttcgtcca	acgatattgt	cggcgtcgtt	actccaaaga	gggcag	

<210> 505
 <211> 826
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(826)
 <223> n = A,T,C or G

<400> 505
 acgacgatga ggagaagaag cgcgagggtta ttcgtctgga gcaggatatc ctgtccgata 60
 tggccgacag taagcagttc tacgtctacg agaccaagga cttttggcgc cagatcaaga 120
 ctgctggctc cgtgtttccc gccaacgctc tctaccttca gaaggccgca cagtccgaat 180
 ccagctcgga gctcgccacc cccagcgcca acatcgctcc cctgttttc attcacccta 240
 ccgctcaagt tcaccccact gccaaagctcg gcccacacgt gagcattgga cctcgcgctg 300
 ttgttggcgc tgggtgcccgt atcaaggaga gtattgtcct tgaggactct gagatcaagc 360
 atgacgcctg tgtcctctac tctatcattg gctggggtag ccgctgttgt gcctgggctc 420
 gtgtcgaggg tactcctacc cctgttggca gccactcaac cagcatcatc aagaacggtg 480
 tcaaggtgca gagcattacc atcctgggca aggactgtgg tgttggcgaa cgaagtccgg 540
 cgtccagaac tgtgtctgct tgccgtacaa ggagctgaaa gagggatgtt ggtcaatgaa 600
 gtcattatgt aaaggaattt gtctctacac tagattagat tagcgcaaaa agtttgcgat 660
 cgttcccgcgca tgctaggcgt cggatatcta caagctgagg ccatcaaaaa cgtaatggan 720
 gatgtatata ggagtaattt ccggggacta tcagggaaca aataaacatg gtccttttgg 780
 gactgctgaa gcgggacgac tgacgcctca ccaagtaaga aacacg 826

<210> 506
 <211> 595
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(595)
 <223> n = A,T,C or G

<400> 506
 ggacaatgag ccggcagctc gtcttgtggg tgacaaggca gctggcaacg atggacattg 60
 caatcatacg ttcttccaca actattctcg cagctgaagg atccctcgaa ccaagaacag 120
 ttggcatcat catatgaatc acacacgtca tctgtcttgg agcattgcat ctcttctca 180
 actcgccac agtagcattt cgtctccact gttacttcgc aagtaccaca cagcgctggg 240
 tggcatatct gagtgcattc atgctgtgag cacggaagca gatcaccaca tagctctoga 300
 cagctccatc cgttgtagta atcggtgtct ctgcagtttt ttcgctgaga gttctttcca 360
 caatagcacg gctccggtgg gctaagaacg gtacaagggt ggcatggccc aaggtagcac 420
 tggagaagtg catgggtgag agcatgtcga tctggatttg gnacangtct ggccacaaaa 480
 atganggggt aggagactat tncngctgag ttgcggttct ttggcgacc agcatgaact 540
 attacctggc tcgtcgggtca anggttgaat tgcattcaag acaacgcctg acttg 595

<210> 507
 <211> 651
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(651)
 <223> n = A,T,C or G

<400> 507
 ctccagggtc tataactagc ctccattata ttggactagc cctgtaaact ccttcgcttt 60
 agttatatct acagcaagaa accgacaaga tgaaggccaa ttggcttgcc gcagccggtt 120
 atttggctgc tggcagtgat actgcagctg ctgcccaagt cctgatact ttggcaggag 180
 tcaatctcgt tgcgcgagac aactcgcctt attctcctcc tcactatcct tcaccatgga 240
 tggaccctga agctcctggt tgggaggaag cctacgcca ggcaaaggac tttgtgtccc 300
 agctgactct tttggaaaag gtcaacttga ccaactggtt tggatggcaa ggcgaaacgt 360
 gtgtaggaaa cgtgggatct attcctcgtc ttggtatgag aagtctctgt cttcaggatg 420
 gtctctcgg aatccgcttc tccgactaca acagcgcttt cccactggt gtcacccgcg 480

ggcgcttctt	tggagtaagg	ttctctggta	tgaaaaaagg	acaattgctt	gggtaccgaa	540
tttaaggaaa	aaggcatcaa	cattgcttct	tgggctgct	acngggcctc	ttgggcccgt	600
acgcttgccg	gtgggcgaaa	ctgggaaagc	tttnaccgtn	ganccctatt	n	651

<210> 508
 <211> 507
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

<400> 508						
ttcttgatct	ttcagctcct	actnttccag	ccganaaaca	actctttgtg	attaatcgct	60
attatcacaa	tgcagatgga	tactgttatc	aacatggccg	atgccgcaca	cgactggat	120
cttgctcgaa	tccggttcca	gctaattcga	ctngaggata	ccatcacttt	ccatttgatt	180
gaaagagtgc	agtttgcatt	gaatagnaca	atctatgtcc	ctggagctgt	cgagcttcca	240
gaagcgaaac	tgagcttcct	cgactgggtac	ttccgcgagc	aagaaaagct	gcaatctnta	300
atccgcagctt	tcnaatcccc	tgacgagtcc	ctttctttcc	cgacnctctg	cagaagccaa	360
ttctcaangc	ctntcacttc	cccagantct	tatatganaa	cgacgtcatg	tgaacgacaa	420
tattnagntt	tttnacacga	aagttctttc	cggagngtgc	ccgctttngg	cgggaggnng	480
ggngagagccc	aaaaaactcc	ggtcccc				507

<210> 509
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<400> 509						
cgctcgctcg	ctcatgcaag	ttatcggtct	tgctctcatc	ctggccctct	tcttcgctcc	60
ctttgacaac	gactactact	ctgtccagag	ccgaatgggt	tttgttcagg	aaatcggcgc	120
gttctacttt	gtcggcatgt	tgcaaaaatac	agccatctac	cccagcgagc	gcgatgtgtt	180
ttaccgagaa	gacgacgacg	gcgtctatag	cgtcaatgct	tttctcgctt	cctacaccat	240
cctcgaggtc	ccctttgagg	tgataagctg	tatgatattc	gggtgttctgg	gcgtcatcgc	300
ggtagacctc	cctcgacagg	caacgctcta	cttcacatcc	gtctttgcgt	gcttcggcat	360
cgtatcctgc	ggcgaagagt	ctcgggtatca	tgttcaacac	gctctttggg	cacactgggt	420
tcgcccgtcaa	cataatgggc	gtgttccctg	ctcttgctaa	taccatggct	ggcgtgctct	480
ccattgacat	gcccgagctg	ttcaaggcct	tcaactacct	ctcgcccatc	cggtagcgac	540
accgctgtgg	cgccgtattc	cctgcgtggg	atcg			574

<210> 510
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 510						
caaactctgtt	agatttttct	cagcttcac	cgcagtcacg	ggtaacaagg	ttttcttcga	60
tatcacctgg	gaggggtccc	tcttccagaa	cggcaagccc	acctccaccg	ttaaggagca	120
gactggccgc	atcaacttca	acctcttcga	cgacaagggt	cccaagaccg	ccgagaactt	180
ccgtgctctc	tgactggcgc	agaaagggtt	cggctacaaa	ggctcttctt	tccaccgaat	240
catccctgac	ttcatgcttc	aggggtgggt	cttcacccgt	ggcaacggca	ctgggtggccc	300
caacaccaac	ggctctcagt	gcttcatcac	cacgctcgtc	acctcttggc	tcaacgggac	360
ccacgttgctc	tttggtgagg	tcgtgacca	gcagtcctct	gatgtcgtca	angcccttga	420

agctactggc	tccggcagtg	gtgccgtcna	gtacaacaag	aaagccacca	tcntcgactg	480
cgggtgagctg	taaacagctc	aatccgtacn	actngcgaac	gggaatttgg	aattgcataa	540
caaaacctca	ctgaaggctg	gcganatgga	actaattagt	ccaggcta		590

<210> 511
 <211> 443
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 511	
caacgccgct	aacctctttt tgcaggcttt tttcactatt atgtacagtg acttggaaatg 60
tgactacatt	aacctatttg acctctgcaa ccgactcaac acctacatca tcccagaggg 120
tgccgtacac	ggttttcttga cattctcttt ccttatcaac ggatactggg tgcctcttat 180
tctcaacctg	cctctctcttg gctggaacgt caagaagatc gttgacaaca ctcacctcct 240
cgatgcgact	gagatcttcc gcaagcttaa cgtccacaag aagggaatctt ttttcaagct 300
gggcttccac	ttgatcatgg tcntcttcta cctctacagc atgattgttg ctcttatccg 360
agacgagctc	ttctaagtgg tactctttac ccagcccggg atccgaatat tcccgatgtt 420
aggcattgct	acgtcagata gaa 443

<210> 512
 <211> 389
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 512	
gcaccaacga	tgcgcccgtc ctcaaaatgg ctgatgttgg cttctcaatg ggtatcgctg 60
gtacagaggt	tgcaaaggaa gcttcggcta tcattcttat ggacgacaac ttcaacagta 120
ttgtcaaggc	cctgaaatgg ggtcgcgag tcaatgacgc agtcaagcga ttctacagt 180
tccagctcac	agtcaacgct actgctgtta tcttcacctt tgcactgctg tttccaatga 240
tgaanagtcg	tcaagtnntg acggnrtggc acttntntgg gcaacctgat catggacacc 300
ctcgccgttt	ggnttttggt ccganctccc accaaaaggg ttcnccnaa agcctgaccc 360
aagggatcga	ccttnttttt tgncccatg 389

<210> 513
 <211> 722
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(722)
 <223> n = A,T,C or G

<400> 513	
ctttctgacc	agtgtcaact ggtangctna cgtcccatnc ttntacgtcg tgtccataca 60
caccgtcttt	cgttactcct gttgtctacc acttcattcg ttttttaata tttataataa 120
tctcttttac	ttttcaacta ttctaataaa tcccatttgc aacatccgca aacatggctc 180
ctatgtggtc	cagaattatg ctggctgcca gccttgacgc ttcagttact gcgcagacgt 240
attcgagctg	caatcccatg aagcagtcgt gtgatgccaa ccccggctct gcttcttcat 300
cttactcggt	agactttacc aagggcagcg acgacaacaa ctgggaagga accggtcacg 360

gagacgtcaa	atatacctcg	gaaggtgctg	agtttacgat	caacaaacag	ggccagtcac	420
ctactatcca	gaccaagtgg	tacatgttct	ttggtcgtgt	tgagatccat	atgaaagcag	480
cccctgggca	aggcattgtt	tcgtctattg	tcttgctgtc	tgatattctt	gacnaagttg	540
actgggagtt	tctgggaagc	agaaatccga	aaccagacc	aatttctacg	caaaaggaag	600
cacggataac	actcagagtc	ttacattccc	ggtcgaaaac	actcattcag	aatttcacaa	660
ctataccgtt	cattggaccc	aagantcatg	ttgcgtggta	tatcaacngt	gtttctgtcc	720
aa						722

<210> 514
 <211> 512
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 514						
gtttgccacc	cttggtgact	tgaaggtggt	cgagagacct	accacacaaa	acctaggtcc	60
tcactgacttc	cataacgtcc	aatgcacaat	caaggtctca	tcaacagata	ccggtgtcat	120
ctttggtaac	gttgtctatg	acggtgctca	ctccaccgac	accaatgttg	ttattctcaa	180
tgacctgcat	gtcgacatta	tggattacat	acagcctgcc	acttgcaactg	agaccagtt	240
ccgcaccatg	tggactgagt	ttgaatggga	gaataangtc	aacatcaatt	ccaaggccaa	300
gacactccgc	gacttccttg	atcagttaat	ggcttgccaca	aatatgaact	gcctgacacc	360
agaagctacc	ttnaaggcga	ntgccattcc	cgagtgccac	ttgttcgcaa	naaacntttt	420
ngggaagang	ctctcnccan	ccgancatga	aaagaaggta	agaaggacna	tnctgggttg	480
ttaaaaanaga	atcatacaag	cctggccccga	cc			512

<210> 515
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 515						
ctgacacett	ggcttttaca	acgccgtatt	cttctaatacc	tcttggtggc	ctatctcttc	60
actgtttgga	tcacaactct	actatacagc	aaccatgcga	gcttacttct	acgatggctt	120
tccaggtgac	cagcgctcc	cccacaactc	tggaaagccc	gtcagcgtcg	acgatcttat	180
gaacattggc	gtttactatt	accatcttcc	tgagctcgac	caggtcgaca	atcttgcgaa	240
tgagcgcgaa	tacaagaacc	gtgacgagat	caccgtctct	ccccaggcta	tgggagacat	300
ctacgagaca	aaagtcaagt	ctttcttcgc	tgagcatcta	catgaggacg	gggagatccg	360
ctacattctt	ggtggacgtg	gatactttga	tgttcgaaagc	aaggacgacg	actgggtgcg	420
cgttttgctt	gagaagaatg	acttgcttat	tctcccttct	ggcatttacc	accgnttcac	480
caccgacgag	accaacttcg	tccatgccat	gagactggtc	aaggaggacc	ccaagtggac	540
gccactgaac	cgngggcccg	aagtcgacaa	gaacgagcac	cggaccagaa	tacgtgaagc	600
acttcattgg	gcgaagctac	cgagtaagaa	gc			632

<210> 516
 <211> 1058
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1058)

<223> n = A,T,C or G

<400> 516
ttgtgttgtc gctttcattc ctgaggggtat gcctgtggct gtcgcgttga cacttatgat 60
ggtggctcgc cgcataaagg ctgtcaacgt cctcccaaaa ggtctatcaa ctgttgagac 120
attgggctgt gtcaacgtca tctgctctga caagactggg actctcactc aaaaccagat 180
gtttgtcagc tctgttgccct ttgtcgacaa gaagtttgag tcttcggatg agtttgagta 240
ccttgtcaat agcaaggaag cgggtgagcc ttcaatggct ctgcagcgtg ctgctcttct 300
ctgcaatgat gcatcatttg acccaacaac cgtccatctt cccattcaag agcgttctat 360
catgggtaac gccacagaca gcgctgtctt ccgcttctct gcactctggac ccactggaga 420
tagcctccga aagaccatgc ctgcgctctt tgaagttccc ttcaactcca agaacaaatg 480
gatgttgacc gtcttncagt ccggcaatga gagaggtgct taccgggtta tcatcaaggg 540
tgctcctgat atcctcctcg ctggttgac taaagtactg gtccgctgag tccaacttcg 600
ttgtcacctt taccgcgac gcacgcacat agttccagca gatccaagat gaagcctctt 660
gctgtgcgga acgtgtcact gtcttttggtg aaaagttcat cacacctcgc tctgttgccg 720
gtaccaacag ttttagtgac gagatnacac actctgccat ccaagacctc accatcggtg 780
gtatgctcgg tcatcgagac cctcaacgtc ccgagattcc tgccacagtt gancaatgtc 840
gacgcgctgg aactcgttt tcatgggtact ggtgactacg ccttgaccgc tgctgcaant 900
gcncaacac tggtagctcc atgcancagg acctgacaca tcgatcntcn acctggaanac 960
ttaagtaana ggaaagagac aaganccaga aaggngtctg cgaattacaa ngaatccgtt 1020
cttagngca actnaaaanc atcaaagntg gantcttt 1058

<210> 517

<211> 633

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)... (633)

<223> n = A,T,C or G

<400> 517
gttggccacc tcatcaccgg ccccaatatg ggnggtaaat cctcttttctg tcgcgctcta 60
gccctcattg ttctnttttc acaggctcggc tcgtatgttc canagactc attgtctctc 120
actctctgtg atgccatcca taccgaaca ggtgcccgn ataacctgtt tgctggcnaa 180
tctaccttta tggctcgagg ctccnaaaca gcgcgcattt tacgctctgn tggccccga 240
agccttgatca ttctcgatga gttgggcccga ggtaccagca ctcatgacgg cgccgccatt 300
gcccaagccg tgctggagca tgctcggtacc ganacacagt gcctaacgct cttcattaca 360
cattatcaaa acctggcgcg ggtcgccgaa ggtcttgacg gcgtcaaaaa tggtcacatg 420
aaattcaagg caaaaaaagg ggaggatggg gaggaanaag tcacgttctt gtacaaaatc 480
ggnganggcg ttgcccacg ctcgtaacng ttgaacgctn naaactcgcg cgttttccta 540
aaaaaagtga ttgatggtgc tgctttgaag ncnagtcaaa ttganccaa aaatgaaaaa 600
tncgccctg anggggtgtt tgccggccct ttn 633

<210> 518

<211> 647

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)... (647)

<223> n = A,T,C or G

<400> 518
atctgcccctg tcaacgacct cggagccaac atcttttacag gcctcaagtg cgaccccaac 60
ccggtcttcc ttcccaagac atacgagctg cccgagctgt tcttccttcc tgacaccgcc 120
aacttctcct tcaccattgc tcctatgcag ttcaacgctc tcaatctggc cacatttgct 180
tcgctcatcg ctcttttcgg tggtttcttt gcttcgggcc tcaagcgtac cttcaagatc 240

aaggactttg	gcgactctat	tcctggacac	ggagggatca	ctgatcgcat	ggactgccag	300
tttatcatgg	gtttctttcg	cctacatgta	cttccacacc	ttcgttgcta	tccacaaggg	360
caagccttgg	ataagggctc	gagacggcaa	tcaacaagcc	taaaccctga	tgaagaaagt	420
cgagctcggt	aaaaagtatg	ggccattacc	tccgaaaaca	angggtatcg	ggacagaaaa	480
aacaaacgtt	catgcattga	tcaactccgg	ccgttgcgaa	ctntttgcaa	taagaaaaag	540
ccggacaacc	atagcatctc	gactccgaca	catattttca	tatccgactg	gggctatcca	600
cactaagtcc	ctcntccaat	caacctggcg	ttctcctttg	gtaaaaaa		647

<210> 519
 <211> 940
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(940)
 <223> n = A,T,C or G

<400> 519						
cctacccaaa	gctctactct	cttatataat	ccggcttcta	gaccatcacc	aaacctctag	60
cttacctgcc	ttgcgctggt	cgattgtccc	tccaatttga	cctcatctcg	aaccttataa	120
caacctcttg	tcaccccttc	gacttatacc	ggctgcaaac	atcaccatgt	ctcaccaagt	180
caacggcgac	gtgagccccc	ctcagtactc	tgctttcatc	cagcatctcc	tcaactatcc	240
ttttatcagc	gacggcgctc	acaccttcaa	gtccaacgaa	ctcggccagc	gctccatcag	300
acttagtgac	gccgcctacc	aaacctttgc	tgctcccgtc	gttccctact	tctccaaagg	360
ctaccaatat	gtctcacctt	atgtccagaa	ggtcgacagc	ctaggcgaca	agaccctcga	420
tcgcatcgac	gagaagtttc	ctgctgtcaa	aaagcccacc	gacgagctct	accaagatac	480
ccgcgctctc	atcatgtttc	ctctccagaa	gggtcttgag	ggcaaggacc	acgtcttcca	540
ggtctacaac	tccgagatca	agaagggtga	gcagggaggt	ctcgtcgccc	atggaaaagg	600
ccgcgcgtac	caccgttctc	gtcgtttagc	acgaaactct	ttttttgggt	gagctctttc	660
ttgcaccaga	agaaggccga	caccaccaat	gccatcaacg	agaagattaa	ccagtaaaca	720
tctcgctcac	acgaactatg	cgtcattagt	ttgatggctg	tagtcagcaa	gcacatttat	780
accctccttg	nttctttttna	ataagggatg	gtttaaaaca	cggngtttct	cgtcgnattt	840
ctctttcctt	atgctttccg	gggttttagat	gccaggaan	tccgaatagc	gtgtntngaa	900
ctgtcactct	cgccgtccat	ctgcgcctct	cctggcctgt			940

<210> 520
 <211> 580
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n = A,T,C or G

<400> 520						
gtaaaccccc	ccccatacaa	atggaaaatc	gnaaccctgt	tttttttgca	gtccgccttg	60
ctacccccnc	aaggggtatc	acctttgtgc	ccaacgatgc	ccgagtcttt	nattttgccg	120
naagcaagtg	ccacaagaac	ttnaagatga	agcgtaaccc	tcgcaagctg	aagtggacaa	180
aggccttccg	caaggccgcc	ggcaaggaga	tgacggtcga	ctctactctg	cagttcgccg	240
ccnccgcaa	cgttcccgtc	cgctacgacc	gagagctcat	gggcaagacc	ctnaaggcca	300
tggagcgtgt	ctntganatc	cgccaacgtc	gcgagcgcgt	ntntacaaa	aagcgcatgg	360
ctggcaagcg	tgagccgtga	ngctcgccac	ccgccccgta	agcttgctgc	ttgagaacga	420
gcattttctg	ccccgcatgc	gcggggaancg	aaaaaaaaanc	gtntgcgcna	acttgggtnt	480
ggggagaang	gagganattt	gagganattg	gagccccgac	cgccacaatt	tccaagggtt	540
tttggnngggc	gaanaaaaaa	aaaaantccc	catttgntnt			580

<210> 521
 <211> 590

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 521
ggcancgaga catggatcta ccagatgagc aacaactcgg gtatctcatg ggacagtgac 60
aaagatcttt acaaagagac cgagtatagc tacgatgaaa ttgtgccgcc tcccaactgg 120
caaaagcgct accccgatgg atacaccaa gatactctc ctccaaacct caaagaatgg 180
gaagctttcc aggtctggat gcgtacagcg ggtcttccca cctttagcaa gctttaccag 240
cgtaacaaca ccagggctat gtggccagga acctatgata ttatcatcga tgaccatttc 300
ccgactcgag agtacaaggg ttccaagtca tcattatctc taccggaacc gntattggag 360
gacgcaaccc cttctcggca tcgcttatgt tgctcgtcggg ggggttgcat tcttctcgga 420
ctgncttcac agtcactcat cttatccgac canaaaaatg ggtgatcaca cttatctntt 480
gtggaacaac gccctggcgc caagtctggt ccaggtaccn ggtgcgcttt cggncgcgaa 540
cttccgtcct tggnganggc taantcaant ttgngacgaa tgctcgcgct 590

<210> 522
<211> 563
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 522
ggcacaccaa attcgatctt ggcatacatc aataggaact tcaactggccg tcttgatgga 60
aatcctgcta cccatacatt cctctcttca ccggacatgg ttatggccaa gattttctct 120
gacgatcttg gtttcaaccc tctgaaagat gctcttgta ctgaaatctg gcgaagaaat 180
tccgcttcaa acctcctagc ggcaacgcac tcccgtcaga ngggtatgaa aacacagatc 240
acgtttacga tgcggcttcc acagaccctc aggtccgaca ggccgtcact gtgcaaatat 300
cgccagactc ccaacgttta caacgggttag cgccattcaa gccttggtct ggacaggatt 360
catcnaatgt ctatcttata aagactatgg gtaaatagcac aacagaccat atactacagc 420
tggccatgga tgcnattccg tgggtcatctc aaaactttcc acaatacctt atcggggctg 480
tgacgcngat aaccagaagt cacaaggtac ttaaccaatt cncggatctt tnggggtttc 540
cngaaccgcc aggattacaa aac 563

<210> 523
<211> 595
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 523
cttcaacttc atgggtcccg tcatccacga agcctccttc aagaagcttt ctggtgccat 60
tgatgaggcc aggagcgaca aggacctcga gcttgctgtt ggtggcaagt acgactcttc 120
caagggtac tacgtccacc ctaccatcta cgccactacc aaccctaacc acaagttctt 180
ctctaccgag ttctttggte ctatcctcac cactacatc tacgatgacg ccgcccctaa 240
cgccatggcc gatgtctgca agctcattga gaccacctt gactacggte tgactgggtc 300
tgtctttgct gctgaccgtg aggtctcccg cttcgtctgan gancatctcc gcnacgcgc 360
tggttaacttc tacgtcaact gcaanaacac tgggtgccgtt gtcggccanc aaccctttgg 420

tggnctctcgt	gcctccggca	ccaacaaaa	agntgggtggc	nagaactcct	aaccgcgttcc	480
gtcaatgttc	gagccatcaa	ngaagaattc	gttcctacca	ccaaggtcnc	ttaccccngc	540
caagaaggtc	ttaanttccg	nacacacnt	tccccaattg	gaaaggaaaa	aatgg	595

<210> 524
 <211> 773
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 524						
ctctcaacaa	acaaataactt	caccacagaa	actatacaac	gtccaacatg	gcctctgcta	60
ctagcttttta	cgactttaag	ccgcttgaca	agcgtggcca	agaggttccc	ctcgccgact	120
acaagggcaa	ggcgtctctc	atcggttaata	ctgcctntaa	gtgcgggcttc	acccctcagt	180
atgccggcct	tganaagctc	tggaaccgacc	tgaagggcaa	gtaccctgac	gactttgtca	240
tcctcggctt	cccctgcaac	cagttcggcg	gccaggagcc	cggcaccgac	gatgacattc	300
aggagtctctg	ccagctcaac	tacggcgtga	gcttccccat	catgcaaaaa	accgaggtca	360
acgggtgacgg	caccaacccc	cttttgggtt	tggtctcaagg	accaacaaag	ccggtcttct	420
cggcctcaag	cgcattcaagt	ggaactttga	aaagttcctc	gtcggccctg	atggcaaggt	480
caagggctoga	tggccagcac	taccaagcct	gagagccttg	anaagcccat	tctcgaggcc	540
cttgctgaaa	agcctgcggc	ttaagatcat	gatgaatgac	gaaacaagga	aaaggcnccc	600
acgtcaatcc	ccatcaatct	aaaacgaaat	accagtnngg	gggggaacat	aggtgcagtg	660
tttaatgaga	ggcttccaga	atcatggaaa	acagctagat	aaaataatac	aatgatcggg	720
catagcctgg	tcaatatattg	atggcattca	tattctactc	ggaaaaaaaa	aan	773

<210> 525
 <211> 601
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 525						
caacatgcag	ctgaccaacc	tcttctgtct	cgccagtgtc	ctgacatccg	tgtcagcagt	60
gaccgtatcc	tacgatccag	gctatggaga	agctggctgt	gccatgacat	ccgtcgctg	120
ctccgacggg	tcaaacgggc	tcatcacacg	ctacaagtgg	cagactcaag	gccagattcc	180
caagttcccc	tacatcggcg	gcgcgcaggc	catcgctgga	tggaactcca	agagctgtgg	240
tacatgctgg	aagcttacct	acaagggcaa	gagcatcaat	gtcttggcca	ttgaccatac	300
ggatgctggc	ttcaacattt	ctcctgcggc	gatgaatgct	cttaccaaca	accaggctgt	360
taagcttggc	cgggttgatg	cgactgctac	tcaggtagct	gttaccaact	gtggtttgaa	420
gaantagatg	tttgggagaa	ggtcgggtcat	tgaatcggat	gaagcttcag	gaataacgag	480
atgggatgag	atatgattca	ggattttaat	gtttagtagt	attcgttaat	tcttactact	540
gttatgttct	tccaaaaaaaa	aaaaaatact	tattttataat	atttggtcgc	cgnngcaaga	600
a						601

<210> 526
 <211> 938
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(938)

<223> n = A,T,C or G

<400> 526

aagggttgc	at	ctttgccttg	ttacataaac	cgacattctt	tttaaacaaa	aaatagctac	60
tacatattcc	aagacaagaa	acccgccaca	gtcaacatca	tgtccagaga	tcgccgtata		120
ttgaaaagac	ttaaggatat	tgaacttgat	catgacaact	cgggtgtaaa	tgcgactctt		180
gcttccgacg	gggtcatgac	acgcctcaaa	gggacatttc	ctgctcctcc	agacacgcct		240
tactctgggg	gtacctacac	ggtcgacatt	cagatccctg	atcaatatcc	attcaaggca		300
ccaaagatga	cgtttgacac	aaagatttgg	caccccaatg	tcagcagtca	gacgggcgct		360
atctgtctcg	acacactcag	ctccaactgg	tctcccgctc	agaccatcaa	aaccgctctt		420
ctcttccttc	gaatgcttct	cgaatgtcca	aaccctaaaag	atccccaaga	cgcagagggt		480
gcaaagatga	tgatcgaaag	tcctgaacgg	ttcgctgtca	agggccacga	ctgggcagtt		540
caatacgctt	ggagcttcac	gaaaagaagt	cgatcttcag	tcaatacaaa	caagaaagcg		600
cttcttgaga	actcccaaag	ctgatcccg	ccggtatatg	ggatacaata	aggacctcgt		660
tgagaagttc	gtcagcatgg	gctttgctct	cgacagtgtc	ggtgaagcct	tcattgctat		720
cggcattgan	cgtaacgggg	ggacgggact	acgtattgga	agaagcatac	atggggcgac		780
attgtcgcca	gactcctcgg	cganacaata	ttcatcatca	cgttacgtct	aaagaagaag		840
aacatcgttt	ctgataaata	actttcagca	tggtatgggg	aattagantg	cgttcccgaa		900
ttgtttccnt	tcctttaatt	cctttatccg	ttccacat				938

<210> 527

<211> 480

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(480)

<223> n = A,T,C or G

<400> 527

gcagtttctt	cgcagccaag	aacaagaaga	aggctgccgc	catggaagcc	cctcccccta	60
ctctaaaggc	ttcaggtact	ctatcagagc	gcgagaacat	cgaagtcgag	gtcatcaagc	120
tgctcatttc	ttcttactac	aacattgtca	agcgtaccat	gattgacatg	gttcccaagg	180
ccgtcatgct	gaaccttgtg	caattttacca	aggacgagat	gcaacgagag	ctgctggaga	240
atatgtaccg	aaccgacaca	ttagacgatc	ttctcaagga	gagtgatttc	accatccgaa	300
gaagaaagga	gtgccagcag	atgggttgag	ctcttttcaa	ggctagttag	attgcagcca	360
agtacagtga	tgctcgttcat	gaacaangct	tcttatnatc	acgtccaatt	ngcgtcagag	420
tcaggnttgg	gnccatctgc	agcctctttt	ttcccgcgac	caccgcttaa	aggatcactg	480

<210> 528

<211> 611

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(611)

<223> n = A,T,C or G

<400> 528

cccgaataaa	ctcatctcgt	ccgtcttcc	ctacgaacta	ccaactccgcg	ctcacgacgc	60
accaattgag	ctccctccct	cctcgccctc	ccgacgacca	aaattagaat	atatacgccc	120
gccatgctgc	gcacatcggc	caccaacctg	ctgcgcaaga	gccttggtgcg	cagcactccc	180
gccctggcct	cgcgagctgc	ctcgactcac	gccatctcca	accctaccct	cgccaacatc	240
gagaagcgat	gggagggtat	gcccctccag	gagcaggccg	agctctggat	ggctctgcgt	300
gaccgcatgc	agtccaactg	gaccgagatg	accctccagg	agaagaaagc	tgcttactgg	360
attgccttcg	gcccctcagc	tcccgcgcgt	gaggaccccc	ctggaaccaa	cgcccgcgtc	420
gcctgggggtg	tcttcattgg	tattgctgcc	agtgtcggtc	tcttcggcct	ggtcgcgcct	480
gtcgctaagc	ctgctcctta	caccatgact	caggagtacc	aggaaggaga	ccaacgagtt	540

ctcaagaacc aaaaatccga tcccttcact ggtatnacct ctgctgggta cgcttggcaa 600
gggtatgggc c 611

<210> 529
<211> 609
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 529
cctaaaactt catcgattat caacaccaca gattagccat catggatgag attgcccccg 60
aatatgacgt tgcctgtgctg ggtactgggt tgaccgagtg tattctttct ggtgttctga 120
gtgtcaaggc caagaagggt ctacacatcg accgaaacga ccactatggc ggagaggccg 180
cttccgtgaa ccttgagact ctcttcaaga agtacggaaa cttccgtgag ggcgaggagc 240
cctggaagca atatggcgcg tcaacgactg gaacatcgac ctcgttccta agttccttat 300
gtcctcgggc gagttgacca atattctcgt ctctaccgat gttacacgat acctcgagtt 360
caagcaagtc gccggcagtt acgtccagca gggtnccctc acaaggccac cgtcgccaag 420
gtccctnttg atgctgtgag gccctgcgat ccccttatg ggactnttcn aaagcgacgc 480
atgaagtcct tcttcgagng gttgggagtt ccacccaang atcccacaca cacanggcct 540
tgantgacaa ctgccaatga aggacgttnt naaattcggc tcnaanaaca aaaggatttt 600
ngccccct 609

<210> 530
<211> 484
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 530
gcgtcgacag ccccaaatca tggaacaagt tcgagaagca aacccttaca cccaagacct 60
gggagagacc cgatatggac gtcgagatcg aatgctgcgg tgtctgcggt tctgatgttc 120
acaccgtcac tggcggtctg ggagactttg agggtcctct ctgcgttggt cacnaagtcg 180
ttggcaaggc tgcctgagtc ggcgacaagg ttagcgagat caagggtggc gaccgtgttg 240
gtgttggtgc tcangtttct tcttgccctca agtgcaagct ctgcaataac aagaacgaaa 300
actactgccc tgatatggtc gacacttata actgcaataa cccgatggta gtgttgctca 360
tggcggtttc gcttctcata tccgtgctca tgagtacttt acctttaaga tcttgatgct 420
ctcaagaatg aagaagtcgc tcctcttctc tgcgccggta tcaccactta ctctcctctt 480
gtga 484

<210> 531
<211> 484
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 531
cttctgattt ccttcgnggg catgttcggt ctggagagct tcnactttac acgcactgtg 60
gccggtatga ttgngtgat ttcgatccac cgtttctgat gtcaagttga ttgtttcgac 120

atgtctcact	cgcgnaattc	aagggcgatg	cttctgnaca	ttgccttctg	gagcgganag	180
tggtactcga	tgggatggca	cncantctct	cagcctgctc	gtgagttcct	ttgccagatt	240
actgagctgt	ccatgttctc	tgccgatttc	gttntgggac	actggctgct	cttttttatg	300
gcgcgatcat	cttgatcccc	naggttgana	tgcttcactc	cntgatgttg	tnntggctcc	360
gtcccagtcg	acaaattgaa	ctcctatcta	ctcgatgaaa	catctaactt	agacaaaaac	420
tttgatccgt	tatnccancc	gctgttttac	cccccggtcg	tgttcattgc	tcncttgctg	480
gact						484

<210> 532

<211> 892

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(892)

<223> n = A,T,C or G

<400> 532

gatcggnctca	gtcnaaacca	agaaattgta	cctcaccag	ccacaaaccc	ncaaagctcg	60
accgcccaca	ctttcagaat	tcaggggcta	ttcagtgcga	tctggctctc	ccgccatcgt	120
aggcttaagt	cattcctttc	atgccccatg	ctccatcgcc	aagcttccaa	agtgtctcct	180
aaagttagag	agtggcttcg	acgcgaataa	cgacgaagat	aatccatcaa	cgcgatcccc	240
aattttctac	gctcattttc	cctttgcggg	ttcttccttg	atctacctat	tctcaggtca	300
tttcttctat	tctttatgct	ttcttcttca	aatcgatacc	cctccaatcc	cacctatcat	360
ggcaccacaag	ggaaaacaagt	actcgggtat	cttgccgaca	tacaacgagc	gcaagaacct	420
ccccatcatt	acctgggttg	ttgaaccgca	ccttcactga	gaagtncgna	acanatcgat	480
agtaataatt	ggatttttga	aaactaacta	gatcaagcaa	cctcgatttg	gaactcatca	540
tcggcgacga	cggatcccc	gatggaaccc	aagaagtcgc	ccaagcagct	cgtcaaggct	600
tactcttccc	cacgtccttc	tctaagcccc	gcgtgggta	aacttcgggt	tcggaacggc	660
ctacgttcac	ggtctcaagt	ttgtcactgg	caactttgtc	atcatcatgg	acgccgactt	720
ctcccaccac	cccaagttca	tccccgatat	ggtngctctc	caggagaagg	gcaactacga	780
tatcgtcacc	ggtactcgct	atgctggaga	tggaggcggt	ttggctggga	tctcaagcga	840
aagtttgtna	gccgtggcgc	cnacttggtc	ggnacactg	netgcgggct	gg	892

<210> 533

<211> 657

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(657)

<223> n = A,T,C or G

<400> 533

tttttttttt	tttgagggtg	ggtgtttttt	atttgtgcaa	tctcaaaata	gatgagatgg	60
tactatggta	tgaaggagtc	gtgtggcgct	ataactcggt	cttcattatg	tcaactccgt	120
ctagatagaa	gctcgcagga	ccttgaaagc	atcctcacgg	gagccgggtg	aacgagcctc	180
ggcgtcttct	cagttgatga	cattccaaat	gttatcaaca	taagcagcct	ttccattgag	240
gtactgcaga	tagtaggcac	gctcccacac	atcgacaccg	aaaatgggca	cttctcctcc	300
cacgacaggg	tectggctct	tggtggtaac	gacacgcaag	ccctgggcgt	ccttgaccag	360
ccacccccag	ccgtcgcttg	caaaccagc	agagtcttct	ttgaaagtct	cttggaagc	420
ctcgatgctg	cccacgtctt	ggagatttcg	tcgaagagtt	cttccacctt	cgcccactgn	480
gcgaccgttg	cgccgntccc	aaagctntgg	gcttaactna	aggtaaatta	acattaccgg	540
ggttatcggt	tcttacgacg	antggaatgg	ctacatacac	cgtcgaaaag	atacctgaac	600
cgaacgagg	caggactttt	cactaccgga	aagctgcttt	cttggaacga	tgctcat	657

<210> 534

<211> 410

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature

<222> (1)...(410)

<223> n = A,T,C or G

<400> 534
cctatggaca ctgncacgga gcacgagatg gncatccaca tggctctcca ggggtggtctg 60
ggtgntattc accacaactg ctcccccgag gctcangceg acatgggtccg canggtcaag 120
cgatacgaga acggttttnt taacgaccct atcgtcnttg accaaaacac cactgttgggt 180
gaggccaagg ctctgaagga naagtgggggt ttcggcggtt tcccagtcac tgaggatggc 240
aagcttggat ccaaanttgt tgggtattgtt accaaccgat accttcagtt cgaggaggac 300
cttnaccacc cntctataa tgnatgggtt aaggaccttg ttantgctcc tgagaccgnc 360
tntctcctag aagccaacaa gatnctttcc aagtncaaga agggcaagct 410

<210> 535

<211> 621

<212> DNA

<213> Fusarium venenatum

<220>
<221> misc_feature

<222> (1)...(621)

<223> n = A,T,C or G

<400> 535
gcccggcaag gttaacccca ctcaagtgtga ggccttgacc atgggtttgcg cccaggttat 60
gggtaaccat gttgccacca ctatcggagg catgaacggc cagtttgagc tcaacgttta 120
caagcctnta gtnattcgca acctactcca cagctcccgt cttctaactg acggcatgcg 180
ctctttcgag aanaacctgg ttgccggcct caatgctaac gaggagaana ttgccagcat 240
catgaaggag tcaactcatgc ttgcacctgc ttgaacccca agatcnggat atgacatggc 300
cagcaagggtt gccaaagaaac gttcacaaga aagggcctta ccccaagga gtagtgcct 360
cgagcttaac gcgcttactg aaggaggaat tctatactct tggttaagcct gaagctgatg 420
gtcgggtccca gccctacaa ggggttagata ctgcgctgac cttatgtatg atcgtggccc 480
atgtttttta aagaaacaaa agcgtctgcta gttcccattg tacctatgaa aacgatgttg 540
atactgggtg tcgaaaatcc aaggggcact atttaaacga tacagataaa aataaaaaca 600
tcataattca cgcgtgaaaa a 621

<210> 536

<211> 797

<212> DNA

<213> Fusarium venenatum

<220>
<221> misc_feature

<222> (1)...(797)

<223> n = A,T,C or G

<400> 536
cggctcactg ccatctttga ctctgtgtcac tccggtaccg cctcagattt gccctacatc 60
tactcgacac aaggatatct caaggagccc aacctggcca aggagctggt caaggcttgc 120
tcagcgcat ctctcctac agccaaggcg atctcgggtg tgttgccagc aacatcttcg 180
gcttcatcaa gaagctgcc aagggtgacga ggctcgcgag cgtaccatga ggacaaagac 240
ctctcctgct gatgttatta tgtgggtccg cagtaaagac naccaaactt ctgccgatgc 300
tactatcgcc tcccaggcta ctggcgccat gtcttgggca tttgtcactg cgctcaagaa 360
aagtccccag caaagttacg tccagttgtt aaacagtatt cgtgacgaac ttgcgacgcg 420
ctatactcag aagcctcagc tatcatgtta gtcaccctct cgacacaaat cttttgttcg 480
tcatgttaat gtttatgccc cactctcgaa attttcatgt gccgaatcta cataaaaagtc 540

aaccaagccc	gtatcaaaga	ttaggaaaca	atgggagagc	tagggttggt	gtgcgagtgt	600
tgtttgacga	caatgggcgg	accacacata	gtatgacttg	atgttaacat	gatgggaggt	660
tgtttgcaag	gtttangtgt	tgggttagtc	tttaaggacn	gnctcaagat	actcaaacgt	720
ctttcttttt	acttctcatg	cagtgtgggg	gagaacattt	gaagntcaaa	tcaaaatgct	780
cataatttga	tgcttat					797

<210> 537
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 537	
gcctctttcc	tacgaccacc
gacatcccn	ccacaagcga
tacctcaagc	gattccacca
60	
ttgttttgcg	atatcttggt
atcttttttg	ggatcagtc
tacatatcag	cttcgacatc
120	
tcgaattggg	gaatcatagg
tcttacaaaa	tgctgggct
tcgacttctc	caactacaac
180	
cgcaatgcgg	ctctccacgc
tcgaggtgtg	cctctcccca
aggccaccag	caccggaaca
240	
actatcggtg	ggatgcatat
tcgatgggtg	tggtgtgatt
gccgccnata	ctcgaaccac
300	
atccggtcca	tcgtcgccga
caagaatgtg	agaagcttca
ctacatttcc	ccccanant
360	
ggtgcgctgg	tgccggtaca
gccgccnata	ctgagttcac
caccgcccctc	atctcctctc
420	
agctcgagct	gcaactcccta
tccacaggcc	gcaagccccg
cgtcgtccct	gcatgacctt
480	
ctgaacacat	cttttccgct
accaaaggtca	cattgggtgt
taccttgctg	tttctggtgt
540	
caacctaccg	gcaactcacct
gttcactgtc	catgctcacg
gtg	
583	

<210> 538
 <211> 540
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(540)
 <223> n = A,T,C or G

<400> 538	
atgctatctc	tttctcttct
cacaagggct	acacccttaa
ccagccccct	ttcatgctca
60	
accgcgacca	gatggccaag
accgcccagc	tctctcagtt
cgacgangan	ctgtaccgtg
120	
tctctgaagg	ccctacaccc
tccgagtctg	accgatacct
gatcgccacc	agcgagcagc
180	
ccctttccgc	cctccacgcc
gaanantgga	ttcagcctgc
cgagcttccc	atcaagtact
240	
gtggttacag	cacttgcttc
cgaaaggang	ctggtagcca
cngccgtgat	gcttgggggtg
300	
tgttccgtgt	tcaccagttc
gagaaagtcg	ancagttcgt
tctttgtggt	cccgatgaca
360	
gctgggaaca	gtttgacaga
tgatggccaa	ctctgaagat
tctacaagtc	tcttggtctc
420	
cctaccagtt	gttggcatcn
taactgggcc	ctgaanaacc
tgetgcnaa	aattanattt
480	
ggaacatggt	nccctccaa
aaganttaaa	ggactgtttc
tgetccactg	cccgactacc
540	

<210> 539
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 539

cgacaagggtc	attcctcttta	caaagctcaa	ggtcttttacc	gagcacaagt	ctgacatccg	60
acgtaagggt	gttgccagca	ctataaagaa	cgctgctttc	gagggtcaagt	cccatccgtc	120
tttcttggt	gacgatgcga	ttgatatacct	tccctacatc	ctcctcccta	tcattgggtaa	180
cgaggagtac	gatgttgatg	aaactatgga	catgctgcct	gatctccaac	tcctaccacc	240
cgacaagaag	cgagactcag	acaaccagaa	catagagaca	catgtggaga	cgattaccct	300
gttaacgcag	acacgcgagg	gacgtgagct	tatgcgccgt	gtcaagggtt	accctgtcat	360
tcgagagaca	catcagcgag	tcaatgatga	aggcgtccaa	naagcatgcc	aacggttggt	420
gcaggtactg	gcacaagata	aggaangcaa	ggaagaagat	gatgtcaaag	aggcaaacng	480
agtcaaaagc	tatcgaggat	aagcctgaca	ctggcaatgg	ccaagtggga	aaaagtccaa	540
atgaagatga	tcaactttgt	tgagggttna	accatttttn	ttaaagaagg	tggtatgctat	600
gggggttttt	atgnaacgga	ttttggcaaa	g			631

<210> 540

<211> 369

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(369)

<223> n = A,T,C or G

<400> 540

gccatctgcc	ttctcatccc	cgtgttgttg	ctcatcccca	ttggtgttgt	tcaggccatc	60
accaacattc	agctcgggtc	caacgttttg	acagagttta	tcattgggta	catgggtcct	120
ggcccgncca	tggctatgat	gaatgttcaa	gaactacggn	ttcatntgga	tngggcaagc	180
acntttantt	tgcccaagaa	cctnaagctc	ggtcattaca	tgaagggccc	tcctcgggtt	240
atgttttntt	cgcagctcgt	cgcgtntatt	tggtcggcta	ttgnacagat	ttgtgtgatg	300
aactgggctc	ttggtcatat	ccccgacgtt	tgtgccattg	accaacccaa	caactacacc	360
tgcccagga						369

<210> 541

<211> 251

<212> DNA

<213> *Fusarium venenatum*

<400> 541

caaggagtgc	cccaactggt	ggaagccttt	cggcaacggt	aagagagctt	gtatcggaag	60
acctttcgcg	tggcaagaaa	gtctcctcgc	aatggccctc	ttgttccaaa	acttcaactt	120
tacacagacc	gatcctaact	acgaattgca	aattaagcaa	aacctcacca	tcaagcctga	180
caacttcttc	ttcaactgta	ctctgcgaca	tggcatgacc	cccacggcct	tgagggtcaa	240
ctggctggaa	a					251

<210> 542

<211> 545

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(545)

<223> n = A,T,C or G

<400> 542

gtcaacggtc	gcattggcga	ttctgcgctt	taccatgtcg	ttcgacaaca	agtacgacaa	60
ccttctccag	gccgtcaagg	aggccactaa	cgctggtatt	gccgaggccg	gtattgacgc	120
ccgcgttgcc	gagattggag	gtgttatcca	ggagaccatg	gagagtctcg	agggttgagat	180
cgacggaacc	acctaccccc	tcaagagtat	ccgcaacctc	acgggtcaca	acattctgcc	240
ctacagcatc	cacgggnacc	aaggccgtac	ccattgtaaa	gagttaacga	ccagaccaag	300
atggaagagg	gcgacgtctt	cgcatttgag	aacntttggc	agtaccggaa	cggatacgtc	360

egggacgata	tggagacgtc	gcactacgcg	aaacgaggag	actctcgac	gttgatctgn	420
gcttgagctt	tgccaagtcg	gtttttnaag	ggattaanaa	gaantttgga	ccctgctttt	480
ntggcganac	ctggaccgat	tggtaggana	agnctgttg	gaatnanaaa	ctggtnaang	540
ctggg						545

<210> 543
 <211> 560
 <212> DNA
 <213> Fusarium venenatum

<400> 543						
cttgccagtt	gcggaattgt	ctgcacctgt	actgtacata	aacaacatcc	tactcgcccc	60
cctgctccta	cgatagcatc	tctcttctgg	tggtctcttg	ttttatcatc	atctcttgat	120
ttcccaagta	accatcgcca	tcaacatcac	acaatggagt	acaatatgga	agacagccag	180
aaccttgctc	cccaggetgc	caagctcaac	tctgggtcca	agggctcctga	ttctcagagc	240
accaccaaga	gactccagac	cgagttgatg	cagctcatga	catcgcccg	ccctgggtgt	300
tctgcttttc	cctctgcaga	cggcaacctc	ctatcatgga	ctgccactat	cgagggccct	360
gaagacaccc	cttactctgg	tctgaccttc	aagctcagct	tcgctttccc	ctccaactat	420
ccttatgcgg	cacccacggt	gctcttcaag	acacccatct	accaccctaa	tgctgacttc	480
tccggccgta	tctgcttgga	catcctcaag	gacaagtgga	ctgccgctta	caacatccag	540
actggttctc	ctcagtctgc					560

<210> 544
 <211> 549
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(549)
 <223> n = A,T,C or G

<400> 544						
catcatcgaa	tcctcctact	ttgacgggtgc	tgatgagttg	cccaatggta	tctctgctac	60
cgtcaagcgt	ggcgatactc	aactcgntat	tnggcgatc	anggggtgtt	actacgctac	120
tcaacaaaatg	tgccctcaca	agcgtgcatt	cattctatct	gacggtctca	tcggccagga	180
gcctnataag	gcggancaaa	acggcgacaa	ggctgctact	tcaccctggg	tctcatgtcc	240
tcaccacaag	cgcaatttcg	atctcggaaa	cgggtgcttg	aaaacggatg	agtccatgtc	300
aatcgccacg	ttccccaccg	agtctcgctt	cgacggtatg	ctgtatctca	agcttcccc	360
tgtggacgag	ctcnacagcg	ccttgggcac	taanaagtgg	atgattaaaa	agggtgaggc	420
tggtgaagca	ccgntggcca	agctcgatag	caagancaag	tttgggggta	ttcgggggaa	480
naaccatatg	tcaagcctac	tggtcanccc	aagatgacta	ccaanccga	tggatctcat	540
gatggcttt						549

<210> 545
 <211> 587
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 545						
atcatacctc	acacctcgac	ctccacttta	caaaacatca	ccacgagcct	ctttttactc	60
ccattgcgcc	tgctgccaac	ctttgaatct	aacgctcttg	atcgcccata	tatataacac	120
ttcataaattt	aagctcacct	ctgcaacggt	gccactatgg	cgtccgatca	ggacaactcc	180
agcctcgatc	ggacgccagg	ctcgcaattc	caccgaccaa	ttctacaatc	catgcccagc	240
acgcgccagc	agagctttga	cgaaatctac	ggacctcctg	agaacttcct	agagattgag	300

gtccgcaacc	caagaacgca	cggcatgggc	cgccacatgt	atacagatta	tgaaattctc	360
tgccgcacaa	acataccggc	gttcaagctt	gcgccaganc	agcgtccgtc	gtcgtctactc	420
tgactttgag	tacttccgcg	acatcctcga	gcgcgaaagc	gcccgaataa	ccattccacc	480
cctgcctggc	aagggtcttca	ccaaccgctt	tagcgacgan	gtcatcnaag	gtcgtcccg	540
tggccttgaa	aattcctcaa	gatcgttggt	ggtcaccccc	tgttgca		587

<210> 546
 <211> 841
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(841)
 <223> n = A,T,C or G

<400> 546						
cgatctgact	gtatatgtca	caaattaccc	ccctgctgcg	gatcaaaaact	atatccgtga	60
tctcttcagg	gattgcggtg	agatcctcag	catacgctgg	ccgagtctga	aggtcaacgc	120
ccaccgacgg	ttctgttacg	tttcgttccg	agaccaagaa	acatcagcaa	agctgtggac	180
tgggtggtac	gctccttgaa	aagagcttca	aactcgttgc	caagtattcc	gaccaggac	240
acaaaaaagc	tcgagagggc	gctcttgccg	aagggtcgag	aaattcacat	tagcaatctn	300
ggatcgatcg	acaagcgaga	cagagctgaa	agatgttttt	tccaagtatg	gcaatatcac	360
acnggggtcaa	catccctaca	actctgggct	ggaaaaaaca	aggggtttgc	cttcattgac	420
tttgcaacta	cagaagangc	tgcgaaagct	gtgacggaaa	tgaacaatac	caaagttag	480
aagccaaatt	ctcgagtcg	ctctctctaa	agaagtccag	gatcaagcca	gcagccaaga	540
ctattggtac	tgataatgcc	agaggttcac	cagcaccttc	gtctcatgaa	tgctgatggc	600
gaccaagcta	tgcaaggtgt	tgaggttcag	gccaaaacca	ctgcagcgga	aatntcagca	660
aaaaccatcg	ctctgatggg	tctttctgat	actgnnaaac	aagcgcgaat	ccggtcgctc	720
gtcgaacctt	tcgngcgata	gtnaaatgac	ggcnaaaccc	ggnatggcgg	accnaaaatc	780
gaatttgncg	acccaacctg	ggaggcaagg	ccagtntaca	actaatagcn	tggagttnga	840
g						841

<210> 547
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 547						
atcgggtgtct	tgttgacatc	gcaagctcta	tccgggctat	catgggggtgt	catcgaaatt	60
ttagctgccca	catatgcagc	tgaagtcggt	ccaaatgctc	tgcgctcctt	tggttctaagc	120
agcatcaata	tgtgctggct	tgtaggacag	gtgatcgcca	caggcattct	tcgttcgctt	180
gttcatgaaa	cttcacaatg	gtcttatcgc	cttcctcttg	cacttcaatg	ggcgtggggc	240
ataccgttgt	tattcggcgt	gtggttcgca	cccacagcc	catgggtggct	tattcgtcat	300
gaacgaaccg	aagacgcaaa	gagggctctc	acacgacttt	gcaacaagaa	ccataccgac	360
atcgaagaca	ccatctcact	gatgaaacac	accaacaaga	tggaaaagca	ctgtaactat	420
ggaggagcca	gctataagga	tctcttcaaa	ggagtcaacc	gacgcaggac	cganattgca	480
tgtctcgcat	ggngctctca	ggccttcagn	gggtggncgc	ttacatcgna	cncaccatat	540
ttnttcaaac	angntggctt	nagcgcattc	atthttttta	accttt		586

<210> 548
 <211> 576
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(576)
 <223> n = A,T,C or G

 <400> 548
 ctggacctct gcaaggccat tatggagctc cccctcctca gcagcagccg tacggccacc 60
 actctcctgc gccgccaggt cctccaccgg gacagtacgg cgcgcctcct cctcagcagt 120
 atggcgccacc accagttcag cctactcctc cctcgatggg ctacggacca cctcagatca 180
 ttcaatggaa cggcgaaacc tgacgctgac ggctgcgaa aggccatgaa gggtttttga 240
 actgatgaga agcattgatc gccattcttg caaacaagga tcctctgcag attgacacaa 300
 ttcgacaagc atacgagcgc aagcaccgtc gcagcctaatt tgccgatatt cagantgaga 360
 ctagtctgtg gtttgagaaa gctttgggtc cactagcccg tggcccgtc ctgtctgacg 420
 ttacgctct acacgatgcc atgtctggcc ctggaacaaa ggaaattggt ctnaacgact 480
 tctactcggg cgggtcaaatt cggatctcaa ggccattaan aacgcgtact accacacttt 540
 ccatgacaag ctcgaggata tattcaaggg cgattg 576

<210> 549
 <211> 712
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(712)
 <223> n = A,T,C or G

 <400> 549
 catgcccaac agctggctcc cccccacgaa acagcgctcc aacggagcaa tccttctcgg 60
 tgacgctatg aacatgcgcc acccgcttac ggcgggtggg atgactgttg cattcaacga 120
 cgttgtcatc ctgtcagagc tgctgcaccc tgataagggtc gctgatcttg gcgatcccaa 180
 gctgatcaac aatgctctcg atgagcttta ctggaagcgc aagcctttga ctggcattat 240
 caacgtttctg gccaggtct tctactctct gtctgctgcc aatgaccgcc aactacgtgc 300
 tctccagtac ggatgcttca cttacttcaa gcgcggtgac actgacggcc ccgtcgtctc 360
 ccttgccggg attctccagc gtcctttcat ccttgccctat caottcttct ctgggtgcctt 420
 ccttgctatc tggctcaacg catgctccgt cgttggtggg ggaatctttg gcattttcaa 480
 gttccctctc gctattatcg acgccgtcct cattctctgg gaaggcatgc attggcttca 540
 ttccaatat ggggcgcgag tccttccagt agaaaaatga agtattagaa gggaaagaaa 600
 acgagcatgg tgatttttat ataccgaaag ctgnngcggt acngactttg cttgggactt 660
 tacgnaagggt ttaaaagatc catgtctttg gctnttaaga ttnaagagaa gg 712

<210> 550
 <211> 636
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

 <400> 550
 gaaatatctc aggataagaa tgaaaacgtt gagccggagg atgatgatga tgacnacgat 60
 gaagagttga agagagtact gtctaccatc acggcgccct ctogaattaa gcgaaatgtt 120
 caaacggaga caaagaaagt tcaagcaaag cctgtagtcg cccccaaaaa ctcgattcaa 180
 gtcctaccg acccaaacac cactttctcc gccctcaatg tacagccatg gctggttcaa 240
 tcgtaggaa atatggctat caagcgaccc acgggcattc agaagggtcg tattcccgan 300
 atcttgaagg ggagagattg cattgggtggc agtanaacag gttcaggtaa aacggttgct 360
 ttcgcggtgc ctattctgca gaagtgggtc gaagatccta ctgccatctt tgctgtcgtc 420
 ttgacgccaa cccganaact ggcacttcag attttcgagc agttcaaggc tatctcttct 480

cctcaaagtc	tcaaggctat	cttgggtgact	ggaggtctcan	acatgcgaac	acaggcaatt	540
gaaattggaa	ggcgaccncc	cctttttaat	cccaacttca	ggngggttg	naaaacacat	600
ccccactttc	ngagaagaca	caatctgggg	attgag			636

<210> 551
 <211> 579
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 551						
tatcacgatg	ctcaaaccga	catcgatctg	ccgcgtgggt	ggaagtaccg	acnactccgt	60
ctcttcggca	agactcttcc	ctgggtatgct	tcgccgcgta	tccagctcgg	aatggctcgt	120
ttcgtctggt	tcatgtgtcc	cggcatgttc	aacgcctctcg	gtgggtcttg	tggaggtggc	180
aaaactgacc	caaccttggc	tgacaacatg	aacaccgcgc	tctacggcac	tttcgctgtg	240
gttgggtatct	ttgggtggcac	ttttgtcaac	aagctcggta	tcaaagcttg	tctgancttc	300
ggtggcggtan	gctatgggtt	gtacgccatc	agtcttcttg	tttctgttca	caagcatgtt	360
cctgggttca	acatttttgc	tgggtgttgg	cttgggtctat	gcgctgctct	gctctggacc	420
gcacagggta	ccatcatgat	ctcatatcct	catgaaaaca	aaaagggaaa	gtactcgctt	480
ggttctgggg	tatttcaaca	tgggtgctgt	tattggcagt	tgaatcccta	ggtgaaaaca	540
tcaacatcaa	ggaaaacaan	acgtcacgan	ngaactaca			579

<210> 552
 <211> 1074
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1074)
 <223> n = A,T,C or G

<400> 552						
tttcaccctg	atctagttgt	tgattgaatc	gccattctca	cccggtttct	tcgtaacaat	60
atctcggtcg	gattgttcgt	tgctgctctt	tctctcaagc	ggtgccccgg	ctgacatcct	120
cacacccccct	ggtaatatcc	accggtgtgg	gccacactat	cctcaacttc	ttccccggctc	180
cagacgcttt	ctctcttccc	ttttcctttt	cccactaccg	ccctgtctcg	tgctgagctc	240
cgtatctctt	ttctttaaac	ctcccatacag	cctctccctc	tttcaaccat	caaccatctc	300
ccctcacaaa	tcaatcacaa	tggcctcttc	tcgtgtcttc	gcctctcgcc	tggcctccca	360
gatggccgtc	aaggccgctc	gccctgctgt	ccgcgcccc	gtcgtgctg	ccagcaagcg	420
aaccatctct	ggcgccagcc	ccctccaggc	catgaagcgt	cagactcttc	tccaggccac	480
caccgcgaac	gccttccagg	tccagcgccg	tgccatactc	tccgagatcg	cccaggccat	540
ggttgaggtc	tccaagaact	tgggtatggg	tgccgcggcc	atcggtctta	ccggtgctgg	600
tatcggtatc	ggtcttgtct	tcgccgctct	tatcaacggg	ggtgccccga	accctgccct	660
ccgtggtcag	ctcttctctt	acgccattct	gggtttcgct	ttcgtcgagg	ccatcggtct	720
tttcgatctg	atgggtgcct	catggccaag	ttcacttaag	ttactacca	acccaatggg	780
tagactcggtg	ccgaatgatc	gagtcacaga	cacggaggag	gctgcccagc	ggtgtgcatt	840
ataccgtgtc	ttgaaaaatt	cgacatgggt	gcacttgatg	ccggcttgca	cgatagaggg	900
gaggttgtct	tgtaatagac	gggatagaga	actgggatgg	acattgatca	tggacacttg	960
ctatgattag	agttggggaa	attctgcata	attcctccca	gggatcgact	ttgtaaaata	1020
aaaagcctca	ttcattccgc	ttctttccat	gcattaagga	tatttcnttt	tttc	1074

<210> 553
 <211> 439
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 553
 aatgtgattt ctgcccagtg ctctgaatgt caaagtgaag taattcaacc aagcgcgggg 60
 aaacggcggg agtaactatg actctcttaa ggtagccaaa tgccctcgta tctaattagt 120
 gacgcgcgatg aatggattaa cgagattccc actgtcccta tctactatct agcgaaacca 180
 cagccaaggg aacgggcttg gcanaatcag cggggaaaga agaccctgtt gagcttgact 240
 ctagtgtgac attgtgaaaa gacataggag gtgtanaata ggtgggagct tcggcgccgg 300
 tgaaatacca ctactcctat tgttttttta ctatttcaat gaagcggggc tggatttacg 360
 tccaacttct ggttttaagg tccttcgcgg gccgaccggg gttgaanaca ttgtcagcag 420
 gggcgctggg ggcggcaca 439

<210> 554
 <211> 871
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(871)
 <223> n = A,T,C or G

<400> 554
 ccccatcac gaactatccc acaatggcgt cacgcttggc acgaagcgcc gtcggcgctc 60
 ccctcctccg acccgctctc gcccgccgag ctgcccctgc cttctccgtt gccgctgcgc 120
 gatacaacag caatgttccc gccgaggacc ccaagaagaa ggctcagagc atcatcgacg 180
 ctcttcccgg taacagcctt ctcagcaaga gcgccatcct cagctccgcc gccgctctct 240
 ccatctacgg catctccagc gactactacg tcatgaacga ggagaccatc atcgccatct 300
 cccttctttc cgtctggact gctctgatca agtacgggtg ccctgcctac aaggagtggg 360
 ctgaggcgca gaacaacaag atcaagaaca tccttaacag cgcccgctgc gaccacaccg 420
 aggctgtcaa gggccgtatt gaggacgtca agcagatggg tagcggtggt gagatcacca 480
 agaactgttc gaggtttcca aggagactgc caagcttgag tctgaggctt tcgaagctcg 540
 agcaaaagac tgctctggct gctgaggcca aggccgtcct tgaagtcctg ggggtccgata 600
 cgagggccag gttaagcagc gccagcagaa ggagcttgct cagtocatta tcgctaagggt 660
 ccagaaggag ctcgagaacc ccaaggtcct tcagcagatc ctccacagag tgttgctgac 720
 gtttgaaaan atcgttgccc tccaagccca atanataatt acatgcccggt tagagtctcg 780
 atcaccgatg tccacgggtt ttnttttgta cccccttggt tcttaacaac acctgtgcac 840
 tanccgaatc aatcaanaac cttnttcttc t 871

<210> 555
 <211> 587
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 555
 gccttctctca agtccattgc ctcttcaat ggcgacctat cttegtctac tgcgccaccc 60
 tttatcctct cttctcagtc tcttaccgaa tttctctgcc tactgggcta cgcacctcc 120
 cgtcctaacc gctcctgtg ccaagtctga tcccgccaag cgtgctatgc tcgtcctcaa 180
 gtggttcctc tccactctca aacaccaata cgccagccga aagtgagcag tttgaaaatg 240
 aaaagaagcc tctgaaaccc ttttctnngg caaacttttc ctccggacct ggtccgaata 300
 aagctggcga gaccaccctt gtctcagagc aggtcagcca ccatcctcct gccaccgcat 360

actgcattcg	caacaacaaa	actgggtgttg	aactcgaagg	gttataacgc	ccagaaagcc	420
accttccaaa	agcaccatca	tcgttaagca	aattggccat	gccgtcctac	gaatccctct	480
tgccctcnggg	tgagatcaaa	tcctaactga	tcacccttcc	tgggcctgca	cattgaaggg	540
tctgattttc	ggtgctccct	ttgttgaact	tgatggctcg	aatcaca		587

<210> 556
 <211> 572
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(572)
 <223> n = A,T,C or G

<400> 556	
tgtacgggcc	ngacgggtatt cattttcttaa cctatcatga ttccttctct ttaccctggg 60
ccgtttaagc	ctggtaagta gaggcgnaga cgttacctcc acgaccagtc cagttgaagg 120
aatttgctcc	caagttcgac agcgcgcgtg aggcggcacg caacatcacc ctcaagacct 180
tcgccgagga	cgcgagtgcc agcgtgcaag ccaccatgta caagatgtca ggccaaatcc 240
tcgaatctgt	gcccagaggtc gcgacgggtca cttattcact acctaacaag cattactttg 300
agattgacct	tagctggcat aagggaatca agaacacagg gaaggacgcc gaagtctatg 360
ctcctcagtc	cagccctaac ggccttatca agtgcgaagt ctctcgagac aatctgcaat 420
cgaagcttta	ggttggaaacg aaaaagattg tgtgtttctt aacgatagag gtcaagatgc 480
gaaacatgat	gcacccatga agaggattga taccaagcga ctggcttaga ttctataata 540
gatatgagat	aatcaattgc gtntttttga cc 572

<210> 557
 <211> 762
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 557	
cctgaagcgc	atcataagga cgtgcgaggt cgaacatcca agacaaagtt gatcgccatg 60
cccgccgagt	atccccctct ggaccaacac tgcttccgaa cactgtttca ccgaccttac 120
ttccacgtcc	agatggtttc cgacgtcgct ggtgtatctc tgagcgggtgc gttgaagaac 180
ggtgttgctc	tggcagctgg tttcgctgat ggtcgaggtt ggggtgacaa cgccaaggca 240
gccattatgc	gagtcggact catggagatg gtcaagtgtt gcaaggagtt ttctcgagag 300
actgtgcaca	ctgctacctt tacagagtca tcttctggtg tcgccgatct tgatcacatt 360
tttgccttg	gaggccgtaa ctttcgatgt gccaaagatg ctgtccagaa gggcatcagc 420
gtccaagaag	tcgagaaaca ggagctgaac ggtcaaaaga tccagggtac cactcctgct 480
gaagagggtg	acagtttctt caaggctcga ggtccttgat cggagtttct ttgttacagc 540
cgtcaacgcc	atttttaacg gcgaggctca ggtggatgat attcctactc ttattcagga 600
ttcttgatta	cactttacta gccggntagg aattggatca tgggactgga gtggcgtttn 660
tnaattgggt	ntacaggcca acacattgga ngatgacaac cggntgtggt aaggntngct 720
tcgnggatna	aaaaggggcc cttccaaatt aaaaggaatn ta 762

<210> 558
 <211> 797
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(797)

<223> n = A,T,C or G

<400> 558

aatatcttag	tctcatacca	agacatatca	catacactta	taccacatcc	tcccacttat	60
acacatacat	tttacatatt	catcatggcc	aagacagctg	ttcacttttg	cgccggcaat	120
atcggccgtg	gctttgtcgc	ctgcttcctc	cacaactctg	gttacgacgt	catcttcgcc	180
gatgtcaacg	acaccatcgt	caacctcatc	aacgaaactc	cctcctacaa	ggtcacgcag	240
gtcggatctg	aaggaaccac	agagaacaca	atcacaaact	acaaggccat	caactcccga	300
acacacgagc	aggatcttat	cgaggccatc	cgcacagctg	acattgcact	tgctccgtcg	360
gccccacatc	ctcaagttca	tcgctcccg	atcgccaang	gtatcgacgc	ccgcttaaca	420
gacagcgctc	ctntacatgt	catcgctgcg	agaacgcac	ggggctcaga	tactctgntg	480
agcacatnaa	ggaccctngc	aacactgacc	ctntcgnttt	gaggccacca	ctggagagct	540
cgctttgcc	actntgntat	tgacaggaat	cgttccgcc	ggacccaacg	ctggacttga	600
tgtacactgg	ganaagtttt	tcgagnggg	gtganccgg	ttcctttcaa	gangctgggn	660
tctganatc	canggnatta	atnggggtgg	aaccttggtc	cnttattgag	gccaagtttt	720
taacggnaaa	aattgggcac	cccnttggcg	gttaccgccg	gttnaaccga	naaaagnggt	780
ccggtttcaa	gcccttt					797

<210> 559

<211> 625

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 559

cgccataatg	acttttgacg	ccgagaagat	cggcgctgcc	gacttnaaga	gccttgggtcc	60
cctcggtgcc	gagctcgaca	agcaccttac	cctccgaact	tacctcaacg	gctacactct	120
gggagaggaa	gatggcaaga	tctggactgc	tcttcnaacc	aacaaggctc	ccattggcct	180
tggtcgaang	ggtgcctaca	ccaatatcac	tcgatgggtc	aacctgatcg	agcaggcaca	240
ccctgagttc	aacgagaagc	tcaatgctgg	aaagganaag	aagtctggag	gcgccaatta	300
caacattggg	ctctccaaca	ccgagaatgg	tggtgtcacc	cgattccctc	ctgagcctag	360
tggttacctt	cacattgggtc	acgccaaggc	cgctctcctt	aacgattact	tcgcaaagac	420
ctcccccgac	ggaaacggaa	agctnatcgt	ttcnattcga	cgacacaaac	cccgccaang	480
anaaacanga	gttcgaggat	gctntcctna	aagatctcga	gctgntggac	atcaagtacc	540
acaagggcnc	ccactccagt	gactnctttc	anganaatta	cgatctcccg	anaanattat	600
ccaagacggn	aacccccctc	cccga				625

<210> 560

<211> 443

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 560

cagcctgcct	gctatgacca	gcctcaagag	cctgggtcaag	aagccaagag	ttgctattct	60
ccgagagcaa	ggtgtcaacg	gccacgccga	aatggcattt	gccttcagag	ctgctggctt	120
cgatgctggt	gatgtocata	tgtccgacat	ccttggcggc	ctctccttgg	agggattccg	180
aggtcttgct	gcctgcgggtg	gcttctccta	cggtgatggt	cttggcgccg	gttatgggtg	240
ggcacagtct	atcctgatgc	atgatgggtc	tcgtaaggcg	tttgangcct	tcttcaaccg	300
tcctgacact	ttctcattcg	gtgtctgcaa	cggttgccag	atgctgactc	nacttaaaga	360
attgaatcct	ggaactgaac	actgggcaac	attcgttgaa	aacgccncnc	ccaattcgag	420
ggtnaaactc	aatgggttacc	atc				443

<210> 561
 <211> 601
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 561
 cagcctgaga ctggctacta tgaacaatcc acaacggata tctggcaatg catctgag 60
 tgcgtccgtc gcgttgctcag cgagtcacac gtcaaccctt ccagcatcaa aggcattggc 120
 ttcnatgccat catgctctct tgcgtctctt actcacnaca ccgacgagcc actccctgtc 180
 actgggctctg acttcacaaa tgatggcaac gaccgcaacg tcatcttgtg gctcgaccac 240
 cgaccggctg aagagaccga agaaattaac antacagacc acaagctcct caagtacgtt 300
 ggtggaaaaga tgagcatcga gatggagatg cccaangtcc tctggctcaa gaaccatatg 360
 cctccagaag tgtttgagcg tgccaagttc tacgatcttg canacgctcc taccacttgg 420
 ctactggcaa cgagacccaa ctactgcagt gttgtttgaa ncaagntatg ttcctgttgg 480
 cgtgatggaa ctcaagggtg gnanaagact ttacaagaa attggctcgg gacttacaag 540
 gatgactnaa caatggtggg tcacgggtta cggaccattn attctggcaa ccgtgggaac 600
 t 601

<210> 562
 <211> 383
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 562
 cgcgcctctc aatccggcct actttgcgct ttcatctcgg ccattcccgt tcacctgcgt 60
 gttcgcaaca acgtagtcac ttgttccgag gtcaacttcc ttgccatcca caanaagctt 120
 cgaggcaagc gtctcacgcc agtgcttatc aaggaaatca caccgacgag taaccttgac 180
 ggtatctggc aagggtcttta cactgctggg gtctgccttc ccaagcctgt cagcacctgc 240
 agatacttcc atcgtgccat taactggcaa aagctctacg aatgcggttt cagccctctt 300
 cccgctaaca gcaagcctca ataccaagtc cgcaagtatg cgctgccgac nacacaagca 360
 tnaagggtct gcgaccgcta caa 383

<210> 563
 <211> 459
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

<400> 563
 ccagcgaaaa ggcacctctt ggcgctgcta aattcgctga gtcattcac aaagccgggt 60
 tccctcctgg agtcttcaat gttgtgtctg gccatgggtan cccctctgga gccgcacttg 120
 cgtcgacatc ggacgtacgg gctatcagct tcactggatc tggctctact ggccgcgcaa 180
 tccaagaagc agctgccaaag tccaacctga agaaggatc cctcgagctc ggcggtaaat 240
 cgcccgtnat tatcttcgac gatgcanacc ttgagcaggc tgctaaggat accatgcaca 300
 gtatccagtg gaacagtggg cagggtctgca tggctaattc tctgttttac gtgcaagatt 360

ctatcgccga	taacttcgtc	caagcttgca	anaaaacatt	tgtctgccgn	aaagccggtt	420
atccacagag	aanggcatta	ttatggnct	cagccgaca			459

<210> 564
 <211> 567
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 564						
catctctcca	acgggttcaca	cacaagccag	caaacatggc	ggttggaaag	aacaagagac	60
tctccaaggg	caagaagggc	ctcaagaaag	aagacggtcg	accccttctc	ccgaaaggac	120
tggtactcga	tcaaggcccc	taaccctttc	aacgttcgag	agtgaagttgc	gaccacgaat	180
ccgattttaa	atcgtcaact	tttttgtggg	atatggcgat	taaccaatth	acagtgtcgg	240
caagaccctt	gtgaaccgaa	ccactgggtc	caagaacgcc	aacgacgctc	ttaagggccg	300
tatcctcgaa	gtctctctgg	ccgatctcca	gaaggatgag	gaccactcct	tccgcaaggt	360
ccgcctccgt	gtcgacgaag	tccaggcaag	aactgcttga	ctgctttcca	cggctctcgac	420
ttcactcccg	acaagctccg	atctctcgtc	cgcaagtggc	aaactctgat	tgaagccaac	480
gtctgtcaa	gactaccgac	gactacctca	tccgcctctt	ccgccattgg	tttcaccaan	540
cgacgaggaa	accaggtcna	gaaaaca				567

<210> 565
 <211> 1860
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1860)
 <223> n = A,T,C or G

<400> 565						
cggctctaag	ggcgaggagt	actgttggtn	cncctgcaca	atcaaggggtg	gccngaaac	60
tcgggatatg	gatgtagtcg	agcttgtgca	anccgctcgag	gcgatgggaa	ccgganagat	120
tctcctcaac	tgcattgaca	aggacggcac	caacagtggg	ttcgacttcg	agctcatcaa	180
ccaggctcaag	ggagctgtca	agatccccgt	catcgctcca	agtgggtgctg	gcaaccgggc	240
tcactttgag	gatgtattcc	aaaagacttc	aacagatgcc	gntttgggtg	ctggaatggt	300
tcaccgcggc	gagtaacacag	tcaagcaagt	gaaggattac	ctacaacaaa	agggtctcaa	360
agtgaagacg	ttcgaagcag	gaatttttagg	gctttttgaa	ataaaacaaa	gaataaggtt	420
agacaaattc	ttgaattcgg	taaatatcgt	tttggtataa	ttttaactaa	aaggcatgta	480
ctggataaag	agtcataacc	ataagagctt	cggtntaaca	cagagacacc	aatacgctcc	540
aacacctgag	aaatccttta	acnggaagat	gcgccaaaat	gggtgtgttg	aacttgcgac	600
tcaacgccaa	tgctaacaga	cttttcgagc	atagctgagc	aagtcgccga	gcgagcttcc	660
agggttaaatt	ttggaaaaca	ccaacgaaag	taaaatgaca	tgagacaaag	aacacaacca	720
ctcccaaact	ccataaagga	agcaactcat	tgtctatagc	tccatgcccc	tcaacatcca	780
cttcttgctc	gtaacatcaa	gatcatgggc	ccagtgatcc	aaggtaacca	tgtcgaagcc	840
aaccactga	aggctctttg	acagagagtg	aacgtcatcc	ggggggatac	gcctgtcaat	900
gcaggttaaca	atgtgggcac	agtccaaagg	accgtcggcc	aattcgataa	gggccatgag	960
agcctttttc	aggntcggc	cgaggacgcc	ttcaacgtcg	aagaagacaa	agagagattt	1020
ctcctctcca	tcatcagcaa	caaaggcacg	gaagctcgca	ccgccggcat	agtcccaaac	1080
ctccagccaa	gcggtaaatgt	cgtaggcaga	tagcttgtca	tcggaaacag	gcttgaagtg	1140
ttcgggaaag	cggatcatcg	acggcggcgt	tggtaaaaaa	gcaccagaca	ggccgaagcc	1200
attcatggag	gaattcctct	caccgtggaa	cgtcgccttt	catggactcg	caaaagaatc	1260
tctcacattc	ttccctgacg	gaaagtgcgt	cccccttcg	tcggggccag	gcgccggcnt	1320
gggattttct	gnttcttggt	cttgggcaag	agagcgagct	cgtttagacga	ggttaatgcg	1380
gcgagggggg	gcttggttga	ggggagggtg	atcctgagga	agggacctca	ggaataccac	1440

tcggccccctg	caacccccggt	agtgcagtag	tggaggccct	tgaggttggc	ggcagagtcg	1500
acgaggtagc	aagaggcaag	gacattgacc	ttctgggcag	tggcctcgcc	gtaattacta	1560
ctgtaattca	aattctgatt	attcattggg	gccattgctg	ttgatgtttc	ctgggtgtcg	1620
actaaagtgg	tgatagtgg	gaaagggccg	aggttggtga	tcgacggaga	gaggttgact	1680
ggtaacgttt	gattgaggtg	actcgaaata	aacgggttgg	aaatcctttt	tcaagatttg	1740
tgttgtttat	ttggaggcaa	aagtgtggat	acgtgcgggc	acgttttagt	tcgtgtcttg	1800
gtaaacgtgt	ggagaatgtc	ttcaacttgg	ggtagagtag	aagtcaagat	tgtggcagcg	1860

<210> 566

<211> 378

<212> DNA

<213> *Fusarium venenatum*

<400> 566

gaccgatcca	accccaactg	tcccatcaag	atcgctcagc	gaaccaccac	tctcgccctt	60
cgcttcacag	gtggtatcat	cgctcgctacc	gactcccgag	ccacagccgg	caactggatc	120
gcctcgcaaa	ccgtcaagaa	ggtcattgag	atcaacagcg	tcctgctagg	aacctgggtc	180
ggcgggtgctg	ccgactgcca	gtactggctc	gcctggctcg	gcattgcagt	ccgcctccac	240
gagctccgac	acaagcgccg	catcageggt	gccgccgcag	caagatcctc	gcaacctcgt	300
ctacagctca	agggtatggg	cctcacatgg	gcaccatgtg	cgccggaggt	ccaagggaga	360
aggtccgcct	ttactatg					378

<210> 567

<211> 512

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(512)

<223> n = A,T,C or G

<400> 567

catccatatt	gtctcctacc	gtctcctatga	aatactctta	gtgtcccttc	ttactaacac	60
actcaggtga	accgcttggc	cgcattcacct	ttgaactctt	caacgatgtc	gtccccaaaa	120
cagcagagaa	cttcgccag	ttttgcactg	gcgagagtaa	gaaccccgta	ggctcgtcctc	180
agggtacaa	gggtcccaag	ttccaccgca	taattcccaa	ctttatgtgt	caaggtgggtg	240
actttctcaa	cggtgacggc	actggatcga	catgcatctg	gggcttcaag	tctttcgagg	300
atgagaactt	tacgctaaag	catgatcagc	ctggctgtct	tcatggnaaa	tgctggaccc	360
aacaccaacg	gatctcaatt	cttnatcacc	actgtcccac	acctttctng	atacaagcac	420
gttgcttttg	caaggncctt	gaaggattgg	tttggaana	agatggagnt	tccaanatgg	480
gtaccgcgca	ngattgccca	acctgactgg	gc			512

<210> 568

<211> 1104

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1104)

<223> n = A,T,C or G

<400> 568

gcagatggac	gctggcgatg	agtctctcca	gcgatacaag	gagtccttg	gtcttgagg	60
tggcaccgat	atctctgac	ctaacgatcc	ccgagtctgc	atcattctct	ccttgaccat	120
ggactccccc	ggccgtcctc	ccgtcaccat	cgatctctct	acccctggaa	gcgagaccac	180
cctcaaggac	aagcccttca	acatcaagga	aggtgccaa	ttcaccatga	gcgccaagtt	240
caaggttcag	cacgagattc	tcagcggcct	ccactacgtt	cagggttgta	agcgaagggg	300
tatccgcgtc	tccaaggact	ctgagatgat	tggcagctac	gccccagca	ccgacaagca	360

gccacttac	atcaagaagt	tccaggagga	ggaggctccc	agcggcatgc	tcgctcgtgg	420
ccactacaac	gccatctcta	gcttcgtgga	cgacgataag	aagaagcatc	ttgagtttga	480
gtggagtttc	gatatcgcca	aggactggta	gacagcggcg	ccttggttagc	acggaccgac	540
gacataactc	aaaattacat	atcacaagtc	atgagataat	gagataacctg	gacatttggg	600
gagggacatt	cacccccaaa	aatttcacat	aaactcaaat	caaaagaaaa	cctcactcgg	660
ttggagaaaag	gtcttgctct	gtttcctgtc	acctgcttgt	cgatgacagg	cgggtcggta	720
cctgtggcta	aatctagagc	ttcgatactg	caggagaata	aaaatgccta	tatacatcaa	780
aaaaaaaaagt	cctctggggtc	tttctccaag	aaggctcggag	aagacattgc	caagctactg	840
gtgactggga	aangcttgcg	cgtacttgct	aactcaccat	ccagaaaccg	tcaggctgnt	900
ggttccgcgt	tccactgntt	ttttccttat	natnaaggcc	ttaaggaacc	ccccagggcc	960
cgaaanaagg	gaanaacttn	aagcncaaca	agtttgctcc	cttacnanat	cattganatc	1020
ccccnaccat	gcancaagn	tttttgccaa	ggcctttttg	gtnccggang	ggnaatttng	1080
gacccttcg	ggttggttgc	cngg				1104

<210> 569

<211> 617

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 569

cacgtttcat	caagttaatc	ttagtcctca	gggcgagcca	acgcaaggaa	ccctgaatta	60
ccatcttaat	ctttcctaaa	cacaaacctc	ggttttaatc	tccaatatgt	ctgaaagcgc	120
tgcttgcccc	cttgccgatac	agaagctcga	gcaggagctt	ctcgatcttg	ttcagtcctc	180
tcagcatgcc	cgccagctga	agaagggtgc	caacgaggcc	accaagaccc	tgaaccgtgg	240
tgtttctgag	cttgtcatcc	tcgctgccga	cactcagcct	cttgccattc	tcctccacct	300
ccctcttctg	tgcgaggaca	agaacgttcc	ctacgtttac	gtcagcagca	agatgcacct	360
cggccgtgcc	tgtggtgtca	gccgtgctgt	cattgctgct	agcatcacca	gcaacgaccc	420
agcgaagctt	gccggccaga	tccgagccat	gcgcgaaaag	gtcgaccgtc	tcgccatcta	480
aaataccaac	gaaccgagga	ggaaagcaaa	agatggaaac	ctttttcgtc	tgtgggcgac	540
cggcttcaaa	agtctgtttg	ttgctgctga	natctgccgc	cgaactttga	taatcggcca	600
atatttgggg	aaattgg					617

<210> 570

<211> 718

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(718)

<223> n = A,T,C or G

<400> 570

cttcttcatt	caacatagta	ctgagccata	cactctacat	ctataatgaa	gttctctcaa	60
gcttctctcc	tggcggett	tctgcctgcc	gtgtcggctc	gcttcattga	aatcgccgag	120
gtcgacaacg	ttgttcttca	gccagacgan	ctttttctcg	tcnaaacgcg	tcctggcaag	180
acacaatgga	ttactgagga	agagaagtgg	gagatgcgtc	gtaacggcca	gaacttcatg	240
gacatcaccc	agacgactac	gcttggtctc	aagggtctca	acgccgaaag	cactgtcacg	300
tttcccaaga	agtgcgtaaa	gcaagacgag	gtcgcaaaag	tctcgaagaa	gctcgaaaag	360
aanaacatgg	aggccaacct	cgagaagtgg	accanntttc	acacccgatn	cttcaagtcc	420
gattacggcc	tccagtcttc	tgactgggtt	cttgaaaagg	tcaatcagat	catcaaagac	480
gctgggtccc	gaggataccg	tgtttgccga	gagctttcct	cacacatgga	agcaacactc	540
ggttatcgcg	actattcctg	gncaatccaa	cagcaccatt	gtaattggcg	cccaccagga	600
ctccatcaac	cttttctctc	cttccattct	cgtgccccct	ggtgcgcgacg	atgatggcag	660
cggttcaagc	accatcatgg	agggngttcc	gngctctcct	gaactcaagg	gatgttgt	718

<210> 571
 <211> 487
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

```
<400> 571
ngccaaagag ttctactgat gatcctcttg tatggatcga ctgtgagatg actggtctcg      60
accaggacaa tgatgaaatc atagagatct actgcatcat cacaacggga aaccttgaga      120
ttctcgacga agaaggcttt cagcccatca tccacttccc ccagtctcgt cttgaccaga      180
tggacgagtg gtgcacaaag acacacgcag actctggtct caccgccgct gttcttgagt      240
cgacgactac cccggagcaa gctgccgatg ctctctacga gtacatcacg cggttcatcc      300
ccgagcgcaa gcgtggtctc ctgcgaggca acagcgtgca ctgcgataga gcatttctga      360
ggcgagagcc ctacaagcgt gtgatgagac acctgcacca ccgaattctg gacgttagct      420
ctatcaagga ggctgcgaga cgctgggcgg ccaagangat tgtgaacaag gttcctaata      480
agaaggg                                           487
```

<210> 572
 <211> 692
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(692)
 <223> n = A,T,C or G

```
<400> 572
ggcgactcga agcgagctc tcaagcttga ctggaccaag gtcaccagct ccctcggtct      60
ccgtggccag accgttgctt ccctccaggc cttcaagaag cgcaacgagg acgtccgccg      120
caaggtccag cagctccagg agcagcccac caccgtcgat ttctcccagt accgatccgt      180
cctcaagaac caggccatca tcgatgagat cgagaagcga ttcaacgcct tcaagcccgt      240
tacctacgat gttagccgac agctgaaggc catcgacgct ttcgaggctg aagccgtgaa      300
gaacgcagag gccaccaagc aggcgcgtcg cctcgagctc aaggacctcg ccgctaccct      360
caagaacatc gaggaggccc gaccattcga ggacctcact gtcgacgaag ttgctgctgc      420
tgagaatcta tcgacgagaa gaccgaccag ctcgtttcca agggccgatg gatggtgcca      480
ggctacaagg agaagtttgg cgacttggct atggtttaga caaattgcga cttccctttc      540
cgccttcgcg ttgtgtntct tagcattggt gataaaaaaa actggggtct gaaccagatt      600
tcctcatacc caaacatcta caaaatttcc tctgtgcttc ataatatctt attatctgaa      660
catttcnttc aaacggtgtc tgaaggttnn ta                                           692
```

<210> 573
 <211> 557
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(557)
 <223> n = A,T,C or G

```
<400> 573
naaaaaaaga cnccgccaaa aaaaccgccg tttctggcga caagaaaaag cgctcaaaga      60
cccgaaggga gacttactct tcttacatct acaagggcct caagcaggtc catcccgaca      120
ctggtatctc caaccgcgc catgtccatc ctgaactcct tcgtcaacga catcttcgag      180
```

cgtaggcgctt	ctgaggettc	caagcttgcc	gcctacaaca	agaagtnac	catntnctnc	240
cgagagatcc	anacctntgt	ccgcctnatc	ctnccccgtg	agcttgccaa	gcacgctgnt	300
ntgagggtac	caaggccgtn	accaagtact	cttnctcgac	nnaatagggtg	gtttgatagc	360
tngatttggt	tngggcattt	annttttnac	ncngngcatc	anggggtgat	gaatctgagg	420
ttcacnggga	tcaccctggt	tgggggccta	taangcgtag	ngatggtttg	gttttttttt	480
ctgggggcat	gtttaaccgg	ccaacggggt	ccggggggaca	anaacatcaa	aaagggttgg	540
ncaaggattg	gcccttt					557

<210> 574
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 574						
cttcaagaca	actatcaaca	ccaataccta	aatccaacaa	ctactataga	acaaataacg	60
aacttatnat	gtttaccgga	attgtagagg	aagtaggagt	tgtctccaag	cttgacaaca	120
atgattctac	tggcggcact	tctttgacca	tctctatccc	ttctggctct	cagctcctct	180
ccgactgcca	tgatggcgat	tccatctctg	tcaatgggtg	ttgtctcacc	gtcacctctt	240
tcacgcctga	agccttcaca	attgggtgtag	cccccgagac	tctgagaatc	accaacctgg	300
gtgacctcaa	ggagaacagc	aacgtcaacc	ttgagcgcg	tgtccgtgct	gatacacgca	360
tggcggnca	ctttgtcagg	gccacgtcga	taccaccgcc	aagatcctgt	ctgtcaccaa	420
ggacggnaac	gccctgactt	tcgnttcanc	ctgccgcaaa	gacatgctgn	ggtacgttgt	480
gtacaaaggc	tacatcgcat	tgacggnact	agcttgaccg	tcaccaaagt	caatgaccan	540
gaaggctggt	gggangngaa	gctgatcnct	acactcagga	naaaagtgtg	tgtggccna	600
naaaaaaag						609

<210> 575
 <211> 1014
 <212> DNA
 <213> Fusarium venenatum

<400> 575						
ctcatcaaca	ccaagtgtct	tcctttcctt	caccaccta	cccccaagtca	accagccagg	60
agagtcaaca	tgtcgggcgc	cacgagcaag	accttcggaa	agtcgacccg	agaggctcct	120
gcctcttcgg	agaaggctaa	gaagtggtag	cccgtgatg	atgatgccga	gaacaagaag	180
gttcgcaagg	ctgtccgac	ttggactcct	cgcaagtctc	tccagcccgg	taccgtcctc	240
atcctcctcg	ctggccgctt	ccgtggcaag	cgtgtcatcc	tcctgaagtc	cctcgaccag	300
ggcgtcctct	tggtcaccgg	ccccttcaag	atcaacgggtg	tcctctgctg	acgagtcaac	360
tcccgatacg	tcctcgccac	ctcttacaag	gtcgacatct	ctggcctcga	cgagagcaag	420
attgaggaga	tctctcagcc	caagtacttc	accgccgaga	aggccaagga	gaaggctggt	480
gaggaggctt	tcttcaagca	gggagagaag	cccagaaga	aggagggtcaa	cagcagccgc	540
gccgccgacc	agaaggccat	cgacaaggct	ctgattgcca	acatcaagaa	ggtcgacatg	600
cttgccctct	acctctccag	ctctttcagc	ttgaggaagg	gagacaagcc	ccacgagatg	660
gcctggtaaa	tgtgcaatct	tgtgtgccgg	ggtgatggga	gtaccggggg	tgcgatacaa	720
agggttgtag	aacggcaagg	gtctccgaaa	tgggctgggt	tggccaattg	catttgaaag	780
tcgacgggca	tcggtcacat	tttggcgtct	gtaatcaggt	tttacagtca	aaaacaaacg	840
agcatacaaa	attctagagg	cttccgggtga	gaggccgatg	atgatgaact	tcactcggtat	900
gtcccctctc	cctgggtgaa	aagaaaagca	actggtgtga	gcgatcatgg	tctttcccgg	960
tctgaactcg	tcaaaaatgg	acattgtttt	acgaatcata	aaaaaagttt	caat	1014

<210> 576
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

```

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 576
atgaagttca acgetgtcgc agccgccgtg tcggctgctg tccttacggg caacgttcat      60
gctgaggacg ttaaggaggc ttctcccgcc gtccccgaaa agcttcccac ctttactcct      120
acaaacatca aggetgactt ccttgaacaa ttcaccgacg attgggacca gcgatggcaa      180
ccctctcacg caaagaagga caccgaccgc tctgaggagg agtgggcata cgttggcgag      240
tgggcagttg aggagcccggt caagtacaag ggaattgatg gcgacaaggg tcttggtgtc      300
aagaaccccg ccgctcacca cgccatctcc gccaaagtcc ccaagaagat tgacaacaag      360
ggcaagactc ttgtttgttca gtacgaggtc aagctccaga atggcctcga gtgtggtggt      420
gcttacatga agctccttcg cgacaacaag gctcttcanc aaggaagagt tcgccaacac      480
aaccacctac gtgatcatgt tcggtcccga caagtgtggn cacaccaaca agggtcactt      540
tatcctcaac cacaagaacc caagacaggc gantacaagg agaaacacct gaactctcct      600
cctactggca agatnacaaa gaccacagag ct                                     632

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```

<210> 577
<211> 335
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 577
cagaaggaga gagttacggt tggcgatgtc atctatatng aagcgaacac cggcgcttgc      60
aaacgagttg gacgatctga cgcctatgct acggaattcg acctcgaggc ggaagagtat      120
gtgcccattc ccaaggggtga ggtgcacaag aagaangaaa tcgtgcagga tgttactntg      180
catgacttgg atgtggcaaa ctctcgtccc aaggngggcca anatattatg agcatgatgg      240
gccactgatg aanoccaaana tgacgganat tacgggcaaac tgggtagcga gacaacaaag      300
nggtagcaag tcattcacca gggngtttgt aactt                                     335

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```

<210> 578
<211> 515
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 578
caagacttcg ctagagcggt tcaaggaggt gattcgagat tccaagggtc tgggcctccg      60
tgttcgancc tacatctctg tagttctggg atgtcctttt gagggatttg atgtcgaccc      120
ccatcaggta gcggagatcg ctacagatct tctggaggcg ggagccgatg anatttctct      180
cggtgacact acagggtatg gtncagcccc tcgaacggca actctccttc agtgtatgtc      240
ngcggcaggc atccgaactg aanacattgc catgcacttc caccgacact acggccaagc      300
tttagtgaac actgccgttt ctctagaaca cggcatccga acgtttgata acaatgttgg      360
tggctctgggt gggttgcctt acaccctggg gcgactggca atgtctcaac cgaaaacatg      420
gtttatttca tgganactcc gggtatgaat acaggatatc gcctaaatgc catgtctgat      480
attggagcat ggatcacaan ggantcgggc caggga                                     515

```

```

<210> 579
<211> 1511
<212> DNA

```

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1511)

<223> n = A,T,C or G

<400> 579

ctttcctctt	gatcagtttg	cattcggcat	ctcgactttc	tcttttgteg	gccgtatacc	60
ttccttcaaa	atggcgctna	cttcggctct	gcctaagcag	aaccttgctc	ttagacgcac	120
cgtcacctcc	accaccgtga	cggacactga	gtctgctget	gtctctcctt	cagactctcc	180
ccgccactcg	gcctcttcca	cctcgctctc	atthttctcc	gaggtcgaca	ttgccaagcc	240
caaggccgaa	tatggtgtta	tgcttgacac	ctacggcaac	aagttcgagg	ttcccgaact	300
cacttatcaa	ggaaatctac	aatgccattc	ccaagcactt	gtttcaagcg	ctccgccttc	360
aagggtatcg	gatacatcct	tcgcgacatt	gtcctccttg	ctaccacctt	tagcatctgg	420
cacaactatg	tgacccccga	attacttccc	cagcaacttc	cgccccgcgt	ggtctctggg	480
gccgtctaca	ccattctccc	aggggtcttt	tcgctaccgg	tatttggttc	attgctcacg	540
aattgtgggc	acgggtgctt	ctctgactct	cgcctcatca	acgacatcac	cgggtgggtt	600
cttcactctt	ctcttctcgt	cccctacttc	agctggcaga	tctcccaccg	aaagcaccac	660
aagggtaccg	gaaacataga	gcgtgacatg	gtctttgttc	cccgaactcg	cgagcagcag	720
gctactcgtc	tcggcaagat	gacccacgag	cttgctcacc	tactgagga	gactcccgcc	780
tttactctga	tcatgcttgt	tctccagcag	ctcgtcgggt	ggcccaacta	cctcatgacc	840
aacgttaccg	gccacaacta	ccacgagcgt	cagaaggagg	gccgtggtaa	gggcaagcac	900
aacgggtctc	gtggcggtgt	caaccacttc	gatccccgca	gccctcttta	cgagcacagc	960
gatgccaagc	tgatcgctct	gagcgatatt	ggtatcgggc	tgatgggtac	cgctctgtac	1020
ttcctcgctc	agaagtttgg	cttctacaac	atggccatct	ggtacttcgt	tccctacctt	1080
tggttcaacc	actgggtcgt	tgccattact	ttcctccagc	acaccgaacc	tactcttccc	1140
cactacacca	acgacgantg	gaactttgtt	cgcggtgccc	ctgccaccat	cgatcggtan	1200
atgggtttca	tcggncgaca	ncttctccac	ggtatcatcg	agactcacgt	cctccaccac	1260
tacgtcagca	gcattccctt	ctacaacgcc	gacnaagcta	ccgaagctat	caagcctgtc	1320
atgggcaagc	actaccgtgc	cgacgtccaa	ganggccccg	tggtttcatt	cgtgccatgt	1380
accgcagcgc	ccgtatgtgc	cagtggtgtg	anccagtgct	tgaaacccaa	ggtgctggca	1440
aaggngttct	gttcttccgc	aaccgcnaca	angttgggac	tgccccctgc	gtcatcaaac	1500
ccgttgctta	a					1511

<210> 580

<211> 365

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(365)

<223> n = A,T,C or G

<400> 580

atcgggtctgg	tgctcgaaact	ccctgggtgtt	ggcgatggat	tcgcctccca	ggctagggac	60
ctcaaggcca	gctccgaggg	tcaggagcag	cgtaaccgag	gctatgagca	gagccgcggt	120
gatttgactc	gtgataacgc	caaccaagtc	cccggatga	gccctgactt	cgaccccggt	180
gaaaccgcac	gcaagatcta	ccctatcttc	gagttccgcg	acaagatcgt	caaggccatc	240
agccgcggta	tttccaaggt	tcctggactg	gagaaagctt	cttgagaaga	tcagtgagac	300
acttactgnt	ttcatcttgg	gcctttntcg	ccccttcatt	cgacccatna	tcaaacaggt	360
ntaaa						365

<210> 581

<211> 659

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(659)
 <223> n = A,T,C or G

<400> 581
 atcgacttcc aggacaaggg tgtcaaccag ttctacatgc gcgttcgcga gtggtacggc 60
 tggcacttcc ctgagctcgt caagattgtc tccgacaact acacctactg caagctcgtc 120
 ctgcgccatcg gcgacaagaa gagcttgaac gacgacaagc tccacgacat tgccgccctc 180
 gttgaggagg acggtgagaa ggcccaggcc atcattgacg ccgccaaggt ctctatgggt 240
 atcgaaatct ccgaggccga tcacgagagt atcaaggcat tcgcccaggc cgtcgtcaag 300
 caggccgaca accgcaagtc caccaacctc taccttgaga agaagatggg cgacatcgcc 360
 cccaacctgc agacctnat cggcactcct gtccgcgcgc cctcatcttt acgctggttc 420
 tctgaccaac cttttctaagt accctggctc ttacttttca gattctcggg gctgagaagg 480
 ttnttttcgg ctttnaagaa caanacaaca cccccaagta cgggnttatt ttaccanaag 540
 aagttttatn ggaanggccg ggggtcccgc aacaangggg cggatttttt nggaacctng 600
 cccaacaaag ngcagttttg gccagggtgg tttgnanaac ttttttccgn ngagccctt 659

<210> 582
 <211> 389
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 582
 catgggatcc ttccaggcca agaagatggg actggaagag cgtgaggccg tntacgagcc 60
 tatctttgcc atcaacgagc gtgacgacct gacccctgaa gtcaatgaag tntatctnng 120
 tgaaccaaac aagctgcac ttgaaggcac tgccaagggt nccttcaatt ctcacaaccc 180
 ctacattgcc ccattgccg agncttacna gctcttctct gcaaggacag gaactgcctt 240
 cacatggaag tcgacattag cggttttaac ctcaaatacg aaactgggtga tcacattgct 300
 atctggcca caaaccttg tgaggaggc aaccgcgttc ttagatatcc tcgatctctc 360
 tggnaagcag cacaccgtca ttaccgcaa 389

<210> 583
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 583
 cgttaaacct atatccaatg cgcttctctc cattcctgtc aaacatcatc tttacattct 60
 caaacattac ccgtgtgaga cctccactga cctcacactt ggcttatcga cctattcctc 120
 ttgatctat gtctggaatt cccatcttgg gcgctttatt tggcacttca tctagcaaca 180
 agtccaacat gtcttatect gaccagcgtt caagcgacna gtggcgtgct gtccctcaaca 240
 aggagcaatt ccgtattctc cgtgagaagg gtaccgagcc tcccggttca ggaaagtctg 300
 ataagcacta ccccgacgaa gcgtctacac ttgcgcaggc tgtgatacgc ctctctacaa 360
 ggctactcac aagttcaagt ctggctgtgg ctggccagct tactttgaca gcacccccgg 420
 tgcagttgaa cgtaacgaag atcgcgccct cggtatggca cgaactgaga tgtgtgctcc 480
 aactgcggcg gccatctaag tcatgtttca agggcgaagg ctttgacccc cactgatgaa 540
 ctcatgtgtt aacagcgtca tcttaactct ctcccaatga nag 583

<210> 584
 <211> 596

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 584
gccgctggcc aagccccga gtacctctgg atcggatgcg ccgactctcg catccccgcc 60
gagcagatct ggggcctcga acccggcgag gcatttatcc accgcaacat tgccaacctt 120
gtctgcaaca ccgacctcaa cgccatgggc gtcattaact atgccgtgaa gcacctcggc 180
gtcaagcaca ttattgtctg cggccactac ggctgctggag gtgtcaaggc cgccatgact 240
cctcaagatc ttgggtctgt gaaccctggt tgcgaaacat ccgcgacgtg taccgtcttc 300
acganaanga ctcgatgcc a ttgccgacga aaatgagcga tacgaccgac tcgtcgagct 360
caacgtcggt gaacaatgtc gcaacgtcat caatttgccg acgttcagca gtcattggcat 420
gaaaaacaat nccccntcct ccnccgatgg gtttcggatt caaggacggc tctccagatc 480
ttaaagtac ttnaagcng cgggtgata tcccaaaatt tacaacctg ttgaaaaaaa 540
ataatgggaa acaanttnt ttanaaaaaa aaaaatanaa aaccgnttca attggt 596

<210> 585
<211> 447
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 585
attaacatat aacagaaatg gctgagcaca acatcgctcg cctgggtggt gaccactgcg 60
gtcctgaggt tgtggccgag gctatccgag tcctcaagac tctcgaggag aacaagccca 120
gtgttgga gttcaacttc aaggaccatc ttatgggtgg ttgctcaatt gacgcccacg 180
gttccctnt gaccgacaan accctcncgt cgccaaggga gccgacgccg tcctnctnng 240
tgccatcggc ggcccaaatg ggggtaccggc gctgccccct gaacaaggtc ttntgaagct 300
ccgtaaggag atgggcacat acggnaacct gcgaccttng tttttccctt ccacttcctt 360
gnnaaccctt ntcccttaan ggccaaattg ccnggcccga atttttattt ngccaaaact 420
cctgggggaa ttncttttgc cacccca 447

<210> 586
<211> 635
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

<400> 586
actcgtgtag aatggagata ctccgctgca acttcagaca cagctcgaaa cctttatcct 60
cgactttcgg ctcgacaaca atttcgtcta cagagaccaa cttcgagaga atgcgcttct 120
caagaggtag ttctgcgacg ttaacatcaa cgacttgatt agcttcaacg aggagctggc 180
acaccgactg gcttatgaac ctgccgacat catccctata ttcgaaaatg ccctaaagaa 240
atgcacacat cgcattgtct tcctcacga acccaagatt gagatccccg aacatcaact 300
tctccttcac tcaaagcccg acgatgtctc gatcccgcaa tctcgactcc gaaaccatct 360
cacggctggg acgtgggcca ggtattgtca ttgggtgctc agtcattgtca tcaaaggcaa 420
caaaactcca tatccaatgc cgcaactgcg ggcacactaa aaacattcct gtcttgggag 480
gttcacgggt gtcactcctc cccaaaaatg ctctcgaaat cgagtcccca atgaccaaca 540

ncaaaatgtc catggncctt aattcgttgc caccgagaagt ctcaatttgt ccaccaacaa 600
attatcaaac ttcaaagaaa cgccccgacc aantt 635

<210> 587
<211> 564
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 587
cgggcagcca agactagctt agctgccaca actctcaagg cctgcttctt caggctcgta 60
ggaatggctc ggatcatttc tgagttgtag aggtaaccct gttgtcgaac gccgatattt 120
gtagccattc ctgagtgtt cctcttgag ccccaactgg cgatattgca ggcaggcgctc 180
tttgagagac ccgtgagtc gcctgctgcg ttgagaagct gggcagcagt aagggaaccg 240
atgagagcgg tcaaattagg cgcaaagatg ttcatgcgcg actggacgta ttctgccaac 300
gtttgcttgg cgttatttag agatatagtc atctcacacg ctctgtagac gcgctgaagc 360
tcctctgaag tcatttcatg accttttagac gtcgtggctt cgaccgtcac aatcatganc 420
gaaggtccat cgagaacaga cttganaatt attcccagaa gattgtcngt cgaagtctgc 480
agtgtttga tgctctccga gtccaaaggc ccatttcctat gatggcgaca acttggcata 540
tctagtgggtg tcgtgacaat cgtc 564

<210> 588
<211> 796
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 588
gcgcacccac gggaacggctc tttttgttta agaacaaatt ccctccagct cccactaact 60
aacttgacag ttgtttgaga ggacggaagt cataccacag tcaagatgcc ttcagaagcc 120
ggtcaccgac tatacgtcaa gggacgtcac ctgagctacc agcgctctcg tcacaccacc 180
cgccctgcta ccagcctgat caagatcgag ggtgttgacg acaccaacgc cgccaacttc 240
tacctcggca agaaggctcg tttcgtctac cgtggccaga aggagatccg cggtaaccaag 300
atccgtgtca tctggggcaa ggtcacccgt cctcacggaa actctggcgt cgtccgcgcc 360
aagttcacct ctctctcttc caccaagtct ttcgggtgctt ccgttcgcgt catgttgtac 420
ccttcgtcga tataaaaaaa gggcttcggg ctggagtgg tagtganggg cggctttcat 480
ttggctgcat tggtcgagca aggataaaac atactgcctt gctttgaggc attcaattca 540
aaaagacgtc aaatcccana ccccgaaaaa ggctctttac acctgagcta ctcgttttga 600
tgacataaac tttattcccc ttctatgcaa cggttatcgg aaatcgatcc cgcccagagc 660
attccactgg gaggggagct tcagtgatgg aacactttct ggcggttggg attgggaccg 720
gtgttcggaa caggctgtga atagggtaca agcgaatcat cgatgaaatg ccagggtccag 780
ggcctctatt acggca 796

<210> 589
<211> 558
<212> DNA
<213> Fusarium venenatum

<400> 589
ccaagacgtc ggaactggcc cttgacctgc tcgagaagct cctcgcattc aaccctgtta 60
agcgcattac tgtggaggaa gctctgaagc acccatacct cgagccttac caccgacctg 120
aggacgagcc aacagcgccc cctatccccg aggagttctt cgactttgac aagcacaagg 180

acaacctgag	caaggagcag	ttgaagcagt	tgatctacca	ggagatcatg	aggtaaacgt	240
ggagactccg	taaaaagatg	gcctgcgaat	tgggggatgt	caaatagact	acatcacata	300
cctatgggca	cgcaagcaag	caagcgcatg	cagaactacc	ggtcgagttt	attctgcata	360
tcatgtatct	ggcatgaatc	ttttgtcaat	cttgctgata	ggagtgggtg	aatgtaagga	420
aacaggatcg	aagatatgaa	atggagactg	agatccagac	cggtgataaa	gatgatttca	480
tgaattgcac	attgcaacca	tttcttacta	gttggttatat	cccaaagaa	aattcataat	540
aagtgtttat	ttgtaaaa					558

<210> 590

<211> 556

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(556)

<223> n = A,T,C or G

<400> 590

agaccgatgt	ggatcatcaac	aacaataacg	atgtccagat	gaacctgcag	aaactcaaca	60
agctgggtga	gacgttcgct	ccaggcttcg	gtcagctggc	taataagaag	ggagacttgg	120
gcgatctggg	cgattcagaa	ctcagcaagg	ctgcggatgc	catcgcggt	gccgctgcac	180
gactggccaa	gctcaggaac	aagcctcgtg	atggctactc	aacctatgag	ctcaaggtaa	240
acgattcgat	cctggatgcg	gccacggcga	tcaccaacgc	cattacgcaa	ctgatccaag	300
cggccactgt	gacacagcag	gagatcgctc	aggctggacg	tgatcgacg	tccaggacag	360
cgttctacaa	gaagaacaac	cgatggacgg	agggctctcat	ttctgccgcc	aaggctgtgg	420
cgctgctgac	caacactctg	attgagacag	cagacgggtg	catttctggc	cgcaacaagt	480
ccaaaacagc	tcctcgtggc	ctcgaacgat	gtggctgcct	cgactggcca	ncttggtggn	540
ttgcaagcag	agtcaa					556

<210> 591

<211> 633

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 591

caccgccttc	atctccaccg	aggacgcctt	cgagccctct	ctccagtcac	tcctcgacca	60
gcgtagcctc	cgctggatct	ttgttggcgg	aaaagggtgg	gtcggaaaga	caaccacttc	120
ttgctctctc	gccattcagc	tcgcaaaggt	cgcgcggctt	gtacttctca	tctcgaccga	180
tcctgcccac	aacctgtcag	atgccttttc	ccagaanttt	ggcaaggagg	ccgccttgt	240
aaatggattc	gacaacctga	gcgccatgga	gatcgacccc	aacggcagta	tacaggatat	300
gctggccggg	cagaacgaag	gccgatgact	taatgctgct	gctggcggnc	ctctaggagg	360
catgatgcag	gacctcgctt	ttgcgattcc	ggatcgaca	ggccatgtca	tttgccgaag	420
tctcaagcag	gtcaagtctc	tttctacga	aaccattgtc	tttgaactgc	gccacangc	480
catactgcg	ctttctccaa	ttccccaccg	ttcttgaaaa	ggctctcgcca	ggggtacaac	540
tntcatctca	aacgggccat	actgaacgtt	tccttggctc	ggggatcgat	ccccatggcn	600
aactanaaat	atgcnaataa	atttgcgnaa	atg			633

<210> 592

<211> 469

<212> DNA

<213> Fusarium venenatum

<400> 592

caagtttatc	aacagtggcg	atcggggacg	atcattctta	tctacattgt	ccaaagtcac	60
------------	------------	------------	------------	------------	------------	----

tgactccaag	atccaagtct	tgatctgggc	tggtgatgcc	gactggatct	gcaactggat	120
gggcaattac	cgcgctctca	actcaattgc	tccaagtca	ttcgtctcag	ctcctcttca	180
gtcctttact	gttgatggaa	ccaagtacgg	agaatttaag	acatctggaa	atttgagctg	240
gctgcgagtt	tatggtgctg	gtcatgaggt	cccggcttat	cagcctcaag	ctgcattggc	300
tgcttttggt	gccacacttt	ccaagaagcc	tatttcatca	acatgattaa	tgaactgctt	360
gttgaattcc	agtatattag	ctttatcttc	cataccccag	acgattcatg	tatcctgtat	420
gtagtagcta	tacactaaca	aaactacctc	tcacgcttcg	ctttcttttc		469

<210> 593

<211> 451

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 593

cagtctcgta	ccatcggaaa	gtacttgatg	gagattagcc	tcttggacca	tcgatttatg	60
gcctacagac	cgagtcacgt	cgctgctggg	gccatgtact	tggcgcgact	aatgcttgac	120
cgcggtgaat	gggatgccac	cctatcttac	tatgcggggt	acactgaaga	tgangtcgag	180
cccgtcgtcc	acctcatggt	cgactacctt	gctcgccctg	ttgcgcatga	ngcatttgac	240
aagaagtatg	ctgccaaaga	tttttgaagg	ctcactcctc	gctcgccaat	gggccaagaa	300
natgctgttc	ttttcggcat	taccgatgtt	gaactgagtc	ttgaccaa	atcatagatg	360
ctatcgacac	tcgcngcatt	tactgcatct	cttattogac	aacctgaaca	acaggatatc	420
cgccgcgggt	ggaataaaa	gtacgccgct	c			451

<210> 594

<211> 575

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(575)

<223> n = A,T,C or G

<400> 594

ttccttctgt	tttctctctt	tctaaaacga	tatcttctat	acgctttcgt	ctgttcaaca	60
atcctccgcc	agtattttac	gacccaaata	ataaactaca	aacccagca	atcagttcaa	120
aatgggcgag	tcgagacaag	aacttggtgc	atgggtcaac	agccttttgc	aactcaacat	180
cacaaagatt	gagcaatgcg	gtactgggtgc	tgctctttgc	caagttttcg	acagtatcta	240
catggacgtc	cccattgtcca	aggtcaagtt	caacgtgaac	tctgaatacc	tgtacatcca	300
aaattttcaag	gttctgcaga	acacgttcgc	caagcatcag	atcgacaagc	cgatccccgt	360
cccttcactc	ataaaaatgca	agatgcagga	caacctcgag	ttcctccaat	ggacaaagcg	420
ttctgggact	caacttcctt	gatcacgagt	acgatgccgt	tgcccgaacna	anggtggtgc	480
aagctccgcc	gctgcgtctc	gaccgcggtg	caatggngcc	gccttctgga	ggaanantcc	540
aacggggggac	ccgtgtacaa	aggtgcgggc	ctgca			575

<210> 595

<211> 641

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(641)

<223> n = A,T,C or G

<400> 595
gtcaccaact aaatcctttc cccatccact ggcttcaatg agctatggtg atgccgatgc 60
caaggggact tgataaacia atttcgtacg caaacgctgc atcttgatcc cgtcagcccg 120
ctctggggct ttcaactcct ttccaggctt cgtattccgt tcagttatct ctggtcagag 180
acgttgatac ccaaaccatc tgactgggac gaccacctga acattacagg cttctctttc 240
ctaccacttg ccagctctta cagcctcct acagacctg taaacttcct taacaatggg 300
ccaacaccaa ttacattgg gtttgatct atcgctgggg acgacccca agcactcacg 360
actatgatct atgaagctat caagattgcc ggcatcgaa ccattgggtc gaaaggatgg 420
gggggtgttg gtgcttgag aagtcctcga tagcctttat ctcatggga aactgtcctt 480
cacgactggn ctggtccaan catgttgaa tggtgnccac catggngggn tggcacgaca 540
gttgccgnat accggtgggc gacgatggcg ttgtccgtct ttgagacagc ctttggggnc 600
aaatatggct cgtcagtgcc ggacnagtnc agtcatacaa a 641

<210> 596
<211> 610
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 596
gattgggtac caactcaagt tccagggtccg agaacgactc gcaaagggcc ttgtcgacaa 60
gggcatcctc cgtaccgaga agcgcaattt cctcctcttc gacatggcca cccatcccgt 120
cgctgatggc ggtgccaagg aggagatccg ccgcgcgctc cgcactgtcc ttaccaaacg 180
aaccgtcgtc ctcaacggta gccagttcct acccgagtcg ctcgagtttc gttatatgcg 240
caccatcgcc atgggtttgcg ccgcttacgc cgctaattgc ctcgagaatg ccctcgcatc 300
ccttggtcat gaggtcgcg agagagcctt tgcgcgagac gacgacctgc tcgctgacta 360
cagtcaatgg ccattcgga agaaaggcca cacagaacgg tattggggcc aacttgccctc 420
aacttatcaa cgaggaggtc aacaacggta aanacaagga gctccacttg aggtgggttc 480
acttgcttga gggctctttac tcgaatcgac ttctcttnta taaatggacc gaccaggtg 540
gatcggtatc cctttttonca aacacgatgc ttgggatata ttntctgaac gactntntgc 600
cgtcttagtg 610

<210> 597
<211> 788
<212> DNA
<213> Fusarium venenatum

<400> 597
tcattgcccg actaactttc cagcgccgtc ctgcgcaaac caccgcaaaa atggtcaaga 60
tcaacccttc cctcgcttct tctcgccgca agagccgtgc cgctcacttc aaggctccct 120
ctgaccagcg ccgtgttata atgagcgctc ccctctccaa ggagctccgc gagcagtaca 180
acgtccgctc tattcccatc cgaaaggacg acgagggtcac cattgtccgt ggttccaaca 240
agggccgcga gggcaagatc acctccgtgt accgtctcaa gtacgtcgtc cacgttgagc 300
gtgtcaccgc tgacaaggcc aacggccagt ccgttccctt gggcatccac ccctccaact 360
gtgtcatcac caagctcaag cttgacaagg accgcgagga catccttgcc cgctccaaga 420
ctggccgtga gctcgctgcc aacaacaagg tcaccgctta agcgatgagt ttgtcgagca 480
acaacaaaaa tcaaaattcg gaactttcaa gacggcatga tcaaaccttc cttccaggcg 540
aggacgaatc ttttcttttt tcaccactca cgattacggc accaatgtga gcaacatcaa 600
gggcaaaaagt tgatgaggaa atgggcataa tactccggcg ttttacgata cctgctgct 660
ttccttcggt cggcgcggtta cccggtctac agcagggtag atgaattgag aatttttagg 720
gttctcaatg gccatttcac tcaactggtga aatgctccat gggagggtta tcccgaagtc 780
ttgacctg 788

<210> 598
<211> 1257
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1257)

<223> n = A,T,C or G

<400> 598

gggatnangt	ttttttttcn	ttgttcattt	ctgccaacct	anatgatncc	acgttgataa	60
catacaacca	aacataaaaa	agacctcatc	atgcctgctg	ttcctnaaga	tgcgcccagag	120
tccgntggac	aaatccccgc	gcccgaanaa	tcaactccta	ccttcaaacc	cgaagatgtg	180
accgtcatnt	ttgtttctcg	cgcccttggt	gccggtaagg	gtaccagtg	ctccaagctc	240
gtntctgagc	acggcttcac	ccacctttct	gccggcgact	tgctgcgcgc	tgagcangag	300
aggcccgggt	cccagtatgg	cgacctcatc	aaggactata	tccgcaacgg	cctcatcggt	360
cccattgagg	tgactattgc	tctcctngan	aacgccatgt	ccgctgtcct	caaggagaca	420
ggatcgacga	agggccgctt	ctnattgacg	gtttccctcg	taaganggac	caggctgtca	480
aagttcgang	agaccgtctg	ccccgcaagc	ttgtcttttt	ttcgactgnc	ccgaanatgt	540
tatggagtc	cgtttcttga	gcgcggnaaa	acagcgccg	gaagaaattt	tttttttttt	600
tttttaaaaa	naaaagcatt	catcataaaa	cgacacccta	aataacagag	acaaaaggca	660
ggtttgaaga	accattgcat	tacttttttg	tatcccccat	gcacctccca	aagggatcca	720
ggcgagagg	atttgccccg	aagccctgtc	atgtggccca	gtcgggatct	cctccccatg	780
tgctgtcttc	cggactgggtg	gcagcgcaat	atggtataaa	atgcccgcca	cccttccagg	840
cgaaactcta	gaaacgagat	ctatcaacaa	ctgccacaaa	gagatttccc	cgtaaaacct	900
tcccaaagat	gtcaggtctg	cctgcgtcgt	ctggtcgtaa	aaagctggcg	ggacattttg	960
ccacaaaacc	gagagtttgg	acgaaccggg	aaatatacaa	gccctagatc	actttttntt	1020
gcctcaatgg	cttaaaaaag	atcggcaacg	ttcaaaggca	tctcaatcaa	ccagagttgc	1080
tgaggttaac	gcttntatatt	ccctgagcat	gcggatatct	tcgngtnta	cgaagttgat	1140
ggcgacaccc	tttcggggca	aacgtntctt	acgaccgatg	cgggggggatg	tagttttctc	1200
cnggtgggng	gggagatcgt	anttgatgac	canggacacc	tgntggacat	cgatacc	1257

<210> 599

<211> 616

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 599

ccgagcaacg	caccactaac	gcccgcctgtg	gagagcgtag	ccagcgccca	gccgntttta	60
ttacgcggtg	cttgtgtggc	gataagagca	ttagcggttg	ggacaaatcc	gccaagtaac	120
ccaagaagcg	cccgcaggat	caaaaactgc	cagatatatt	gtgccagccc	catcaacacc	180
atcacgatgc	ccatgccgag	ggcagagcgt	aatagcatga	gttttcggca	agaatttcct	240
attttcaagc	acttgcaatg	ctgcctttcc	acctgcttca	gccttgcgct	taccaacacc	300
acatgccatg	aatttgccctg	tttctcccca	cccgtcaaga	taaactccaa	tagcaaacag	360
ngggaggcct	gtgtccttgt	cttttttctt	gcattccata	tcttcgnacc	cgaattttga	420
ttccggcccg	ctatogctgc	gctcanacna	cctttggcat	tttgctctgt	caagggtatc	480
acctttggct	tcgggctgng	tanggtgttc	ttganccata	tgctgngttt	tgagctattg	540
tttncaaaca	actttctggg	ttttctttga	acctgggcnt	ttgattggac	caccccnan	600
catttttgag	ccaagn					616

<210> 600

<211> 651

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(651)

<223> n = A,T,C or G

<400> 600

cgaatggctg	aagtcgttca	tggatcatatc	actcttgacg	gagaggatat	ctctgtttata	60
cctagacatc	tcattcgcca	acgcttgagt	tgtttgaccc	aggatccttt	cgtcttttga	120
gacagcatca	gagccaacct	cgacccttgc	aacgtatcat	cagacgacga	gatcagaaac	180
gcactggagc	gtgtggggat	tttgtccgtt	atccaagcca	agactgacaa	caacaaagac	240
ttccttggtg	agaagatgga	cgagaacttc	ttgtctcacg	gccaacgaca	attgttctgc	300
ctcgcaagag	ctcttctcaa	gaaaaagccc	cttgctcatc	ctcgatgaag	ccaacaagca	360
gcgtcgatac	acagacagac	gccaggatgc	aggaagtatt	tcgcacagaa	attctcagat	420
tgtaccatca	tcattgatgc	ccaccgtatt	gatacgctac	ttgactttga	caagggttgtt	480
gttctggata	ggggctctct	ggtggagttt	ggagcaccac	aggagtgtgt	ggcggattcg	540
ggtggtgctt	ttacgaaatt	gtatcgtgcg	aacaaaggga	agaanaccga	nggctaaatt	600
gttgtgatgt	agtataatat	ttttgtgaat	gggagttcat	ttctctttcg	a	651

<210> 601

<211> 786

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(786)

<223> n = A,T,C or G

<400> 601

cttagtcgat	ggggaaaaat	gacccccatt	cagaagccga	catcagccca	gccggcgctg	60
gaatccccgg	catctcctcc	cgcgtcttct	actcgtctt	ctgactcttc	tactttctgt	120
tctgcttcca	ccccagccac	agcagcaatg	gcaaagacat	ttcctcctgt	gcagcctgga	180
ggcagtttaa	ttctggcatg	gcaaatacaag	cacaagaagg	tgcttggtgt	cggcggtggt	240
gaggtcgccg	ctggctcgat	cctcaactgc	ctcaatgccg	atgccaacgt	cactgtcgtg	300
tgccccagt	ctggcctcaa	ccctgaagtc	gctttccgag	ttagtgaagg	tcaagtcgcg	360
catatcgacc	gagtattcga	acccgaagac	ctggatggcg	ccagcatggt	cctggctgcc	420
atcgacgacc	ctgcgccttc	gaccgtcatc	tgggaagctt	gcaaggagcg	aaaggtecc	480
gccaatatcg	ncgacgtgcc	cccaagaatg	cgantttct	tttggtagca	tccatcgcca	540
atggctccgc	tccagattat	nggtcaagca	ccaatggcaa	ggggccaang	gttggcggct	600
gctattcggc	aatttaattg	caagcaactg	ccgaagaatg	cnggtacgct	tcgagacgat	660
tggtgagctt	cggctaaatt	aaggaanatg	gntccaacct	gangatggac	caacgcgatg	720
tctggatgta	aaggtcanna	tcctacaatg	ggatgaatgt	tngcttacag	acnaaanttg	780
acactc						786

<210> 602

<211> 337

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(337)

<223> n = A,T,C or G

<400> 602

cttcaaaagt	atcagcacca	agttcagtgc	aaaccttgcg	cttntcttca	ccaccatcca	60
gagctgtcac	acgcagcccc	atagccttgg	cgtactggat	tgcaaaaaaca	ccaagaccac	120
cacctgcgcc	agcaatgact	acgctctgtc	cagggcgacc	gttgaggagc	ttgagagctt	180
tgtaaacggt	tagtcggcg	cagaggatag	gtgctactcc	agcgagatcg	cagtccttag	240
gaatacgcgc	tacatgcgct	gctttgccga	cggcggtattg	ctgaaatgag	ccatcgactg	300
tgtagccgga	tagtgaagcg	tggngaaaaa	cccnaaa			337

<210> 603
 <211> 552
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

<400> 603
 cgatatgaca ccacagatgt cgcgtgagga agctcttcac tggttcttgc ccaagactgg 60
 acccaatgag cagcaggctg tgtggacctt cggtgttgaa gatgagaaca acaagatcac 120
 tgacttcttt tctttcttct gcattgagtc tactgctatt ggcaacacta agcacaacgt 180
 tattaagggtt gcttacatgt tttactatgg cacagaggtc ggtctgcagg agaagttcga 240
 caaggctgcc tcaagaagcg cctcaacgat ctggtgcacg atgcccttat tgtctccaag 300
 cgctacaaag tttgacgttt ttaacgctct gacgctgatg gacaatgcgc tcttcttgga 360
 gcagcagaag tttggcgctg gtgatggnc aacttactac tacctgtcaa ctaccgnggt 420
 naccatcg ccgnggtgt gtgcgaagaa caacttcgac gangagaacc tgagcggtgt 480
 ggactatgat gccttgaggn aatgtttggn tggctatnag ggggtgaaaga aaaaaanttg 540
 gaagngagg at 552

<210> 604
 <211> 639
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 604
 cgctcatata catacacgcc cttcaaccaa ctatatcgcc tactctcttg ccgactocac 60
 acaatggctc cttcgacctt caagctcaac accggacagg aaattcctgc tgtcggactc 120
 ggtacttggc agtccccgc tggcgaggtc gagaaggctg ttgcatatgc tcttaaggac 180
 ggctacaagc tgatcgactg cgcctactgt tatgggaacg aagaggaggt tggcgctggc 240
 ctcaaggctg cctttgagggc tgggtgtcaag cgcaaagaca tctttgtcgt taccaaagcc 300
 tgggctacct acaacacccg tgtcgagcta gctctcgaca agagcttgaa ggccctcggc 360
 ctcgactacg tcgacctttt cctaagtaca ctggcctctt cttctcaacc ccgagggcaa 420
 cgacgacaag tttccaaga agcctgatgg ttcccgagat gttattcgag actataacca 480
 cgtcgatggc tggngactca tggagaaact ccccgctacg ggcaaagaca aaggctgtcc 540
 gtgtttgcaa ctacagcaag aantacctt gangagcttc tgcctcaagc aaccatccgt 600
 accaactggt aaccaaaatc gaaaanacac ctgagcttc 639

<210> 605
 <211> 417
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 605
 atggtagagt cgaccctgac tcaatgaacg gtaactgtgt catgtatgat gccgtcgatg 60
 gcaagattct cacctatgga ggcgccacta gctaccagca agctcccgt actgctaacg 120
 cccatgtcct cgctattgct gagccaggat ctggtgtcga gacatacctc gttggaaaca 180
 atggcgctgg taacttcgcc cgtgtcttcc atacttctgt tgttctcccc gatggcaatg 240

tcttcattac	tggtggacaa	tcataactcca	accctttcac	cgataccaac	gctcagttca	300
caccgagat	gtacattccc	acaacccacg	agttcaagaa	tcagcaacct	aacaccattc	360
cccgaaccta	ccacagtatg	tntctgctgc	tgcagacgct	actgtgttca	acggcggg	417

<210> 606
 <211> 519
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

<400> 606	
cgctgatga	aggcttaccg tgaagttccc gagtgggtgg acatgggttg ccttctctgt 60
gctatggcat	tcggtgtttc tggtatcgct ggctgggata cgcacacttc tcttggcgtc 120
atcttttacg	gtcttgccct ttgcttggtc tttgtcattc ctgtcggaat catcaaggcc 180
atgactggta	tcgaggtcac tttgactgtc cttgccgagt tcattggagg atccttcggt 240
gagggtaatg	cgttggccat gaactacttc aagtcggttcg gctatgttac ttgtgctcac 300
gctgtcatgt	tctccaacga tctgaagctt gctcactacg tcaagatccc accgcgacac 360
accttctttg	ctcagatcat tgccaccttt atcagcacct ttgtttgcgt tgggtgttctc 420
aacttcctaaa	tgacacaaat ccctgggtgtt tgtaccgang atgctcgatg gaagatgaca 480
tgccccagtg	tcacactttc ttcactgcct ctgtcctct 519

<210> 607
 <211> 608
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

<400> 607	
gctgatcgag	attaccgaaa agacacttac acaagaggag ggatatacga gggaggaagt 60
tgccaaggtg	ctgaacgtta cagtagagga tcttgagaag cgctttatgt ccaagctccc 120
cgtacgtgcc	gaacgcttca agctccgcca gcgcgcctcg cacgttttta gagaggctca 180
ccgagttatt	cgttttnatga agctcctnna aaacctgtc cacaccggcg cttcgggatac 240
aaccaagttc	aacacagaac tagggctcct attgaacgag acacaagcat catgccgcga 300
cctttatgag	tgcagctccc ctgaattgga tgagatttgt gccatctctc ttccgggaagg 360
ttcttacgga	gcgcgagtga ctgggtgcggg atggggagggt tgcagtgtgc acatgggtgcc 420
agcggataaa	gtagcagcaa gtgacgccgt gctctaaana aggagtnttt tgccaaaaag 480
gaccttacgg	aanatcaaaa aaagggggct tgtgggtggtg aatcnaccaa cgacagggaa 540
gtgccatnta	ctacgtccaa aaatgggggt gaaaccttga ngggtngatc acctgaacac 600
acacgtgg	

<210> 608
 <211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 608	
aacaactact	gactgaccgg taccgcgtact cgtaccttaa tactgtctgc tttacttttt 60

<222> (1)...(623)
 <223> n = A,T,C or G

<400> 611
 gcaaaagact ctgaatgcag gccaaagtttg catgtctcat aactacatcc tcgtcgagag 60
 aagtgtcctt tctccattcc ttggagaact taacaatcaa ctgcgaacct ttttcccca 120
 gggtgccaag aacagtagcg atctcgcgca tatcgtagt gctagtagt tcaaccgtct 180
 caagaagatg ctggacggaa ctaagggcaa gattgttctt ggaggatcta tggacgagtc 240
 taccctgttc atggagccaa cggcggttct tgttgatgat gttgaggata gcatgatggt 300
 tgacgaggca tttggcccca tctttgcaat catggcagtc gattctctag accaggctat 360
 caacatcgcc aactcggttg acccaacacc tctctcactc agcacctttg gaagcaagga 420
 tgaaaacaag aaggttcttg acaatgtcac ttcagggtggc gctacatgca acgacgcctt 480
 ctttctactcc cagattcccc agtctccgct gggagggtgta ggccantccg gaatgggcaa 540
 ctatcacggc atctactcca tcaggacctt canccaacaa gcgcaactat cgccgaggtc 600
 ccttactggg gctgatgccc tgt 623

<210> 612
 <211> 872
 <212> DNA
 <213> *Fusarium venenatum*

<400> 612
 ggaaagtttc ccgtcctgcc tgatccttat ctggacacca agaactacac ttgtgatatg 60
 ttgactggg gttacgctgc tgctcttgac cagaacctt gcttcaacat ctatcacatc 120
 actgatactt gccctaccac ttacagccat ctcggaatag tcaactcggg cgactattct 180
 cctcctgggt ctgaagtcta cttcaaccgc acagacgtca agaaagctct ccacgctcct 240
 gtagacacta cctggtacca atgcactcgt aacaatgtct ttggtttcgg caaccccaat 300
 tccactcgca ggcacacatc tctcgctccc gcccacacg gcgtcctcaa gcgcgttatt 360
 gagcacacca acaacaccat catcggtgta ggtcgcttg attacattct tctcccaac 420
 ggaacacttt ttgctctgca gaatgtaacc tggaaacggaa agcaaggata ccagaagtat 480
 cctcaagaca agcagttcta cgtacccttc cacccggaag cacaatggtg gacggctcag 540
 cgaggcgggc attgttggac agtggggata tgagccgttg cttgacctac tacgaagtgc 600
 agctcgccgg acatgagctt cctggatata gcgcgggtgc gggataccgt gttgttgagg 660
 ctctgcttgg aaggatcaag aacctgggag ttatcgaaaa ctttaccaca caaaagggtg 720
 attatcaggg taatggtaca tcgatgagta tgagggggtt gaaccgcgtg gaacatcctt 780
 atggacccaa ctactattaa gagggcgctc agtttaatgg aagtctatct aaataattaa 840
 aagaaacgaa tcatgttttc caaagaaaaa aa 872

<210> 613
 <211> 633
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 613
 cagaattcgt cctgacggcc cttggcaagt ccaagtcagt tcaactctgc ccctaaaagc 60
 catctctaga ctttggggcc gattcaatga gttgaccatt ctttactatc ttcgagttcc 120
 tgggttttaag ctgtattctt ggatcttttg tgtcaatctt gacgaagtcg ccgaaccgga 180
 tctccatgct tatcctaacc tcgcatcctt cttctaccgc actctcaagc ccggtgagag 240
 accgctcgac caagatcctc atactctcgt ttgccccctc gatggcaagg tctccaata 300
 cggtcagatc caaggcgggt acatcgagca agtcaagggt atgacttaca gcatcgatgc 360
 tctccttgga aagaacacac ctcctgcaag catttggggc acttggtgga ctactacacc 420
 tgcgactagc ctaacttcac cgacgtatcg gacgaagaag cccttatcaa gcaggatgag 480
 gaattcctca ggtcaatggc atttngtaca ctntttccga tcttcttttc ngnactggaa 540
 aacgtggctc ttcantaaaa ggatgagtn atgcccncat tttctggnac aagtttntga 600
 agttggcncc caactccttt gggngaacca cct 633

<210> 614
 <211> 685
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = A,T,C or G

```
<400> 614
ctaccactca aaaccaccca aaaccactcc tnttcaaadc agccaaaatg gagaacgacc      60
gcggcgagat tgtggacctt tacgtccccg gcaagtgcag tgccaccaac cgcacatca      120
aggccaagga tcacgntct gtccagatct ccatcgccaa gggtgatgan aacggcgctg      180
ccgtccaggg cganaaccac gtctacnccc tctgcggttt cgtccgagcc atgggcgaga      240
gcgacnactc cctcaaccga ctggcccagc gcgatggcct tctnaagagc gtctggagcg      300
gacagcgata aatcaataaa gcgaatggaa aaaagggttt tgggttcggg cacgaaggca      360
atgggtgaaa gaaactaggg ttggtgcat ctaacaaatc cacttcgagg cggttcggctc      420
gattttgaga caacattacg atatcccgaa tccgtgtttg aagatgtgat gaactgggta      480
cactcccccc cgatacggct ggcgaagtct cctcggacag acttcacaag tcaaccact      540
ccgaggattc tggggctact ccgatagtct ccatgcgcga gattgactag gctctgaaaa      600
agccgtagcg ctcaagtcgt ttgctatggg acagatcggg tctaactga attttcaatt      660
atgtgattat cttngnaaaa aaaaaa                                685
```

<210> 615
 <211> 517
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(517)
 <223> n = A,T,C or G

```
<400> 615
cgacaagatc gagacacata aggccaaagc ttggctcctc aacaccggtt gggtcgggtgc      60
cggtttcgct cagggcgagg agcgatgcc cctcaagtac acccgtgcca tcctcgacgc      120
catccactct ggcgagctcg ccaacgttga gtacgagaac tacggtgtct tcaacctcca      180
ggccccaaag acctgcccc aagttccttc agagctcctc aacccttcca aggcttggac      240
cgctggcgag gacagcttca acaccgaggt tgtcaagctc ggcaagctct tccgogagaa      300
cttcgccaag tacgagagcg aggccaccga ggatgtcgtc aaggctggcc ccgttgtnta      360
aggaaaagga taagaagggg aaaaaaggga aagcgatctt ttttttngga tgaatttgag      420
caactgttta ccatttgggt ccngcgtcat tacatggngg ncattaaccg gntgccttt      480
ttttttaatt ttatattttt gaanggggtt tttttt                                517
```

<210> 616
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

```
<400> 616
atcatctcaa ccgactccac cgcccgccaa tacctcaatc gcaacctctt cctttcgact      60
cacacataac cgcaaataatg ttccgatccg ccgttctccg atctctccgc gtcgcgcccc      120
gaccggccgc catccgctcc ttccgtgctc ccgcgctcgc ttccgttgcc gttcccaana      180
```

tccagagctt	ccaggccgtg	cggttctaca	gtgccggngg	tgcgctcaac	aaggaggagg	240
tcgagggcgc	aattatgagc	ttgttgagc	gcttcgataa	ggtcaacgat	gtttccaaca	300
tcaagtcttc	cgctcacttc	gccaacgacc	tgggcctcga	ctctcttgac	accgtcgagg	360
ttgtcatggc	tatcgaggag	gagttcagca	ttgagatccc	cgacaaggac	gccgactcca	420
tccactctgt	taaccaggct	ggtgagtaca	tcctgaacca	gcccgcgcgc	aactaaacgg	480
gttaatctcc	catatacccc	caattaccgc	gcacccaaca	acctcttttt	tctgggtcttt	540
tccnccctnc	attcttggac	aattatntta	acctnttcat	ccaatccaat	aacgccgaac	600
cccgc						605

<210> 617
 <211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 617						
ggaaacagct	taggtatgag	gacctgatct	gaaagcaaaa	tacaagacaa	catcatttcc	60
cctcttcttc	ttaaaccctc	cttttctctc	tttcccttct	atattcccca	tcctcatcca	120
tatatcgata	aaatggctcc	tgcaaacact	ctccccgcct	ggtctgacct	ccagtcgcac	180
cgcgacagcg	ttggcaagtc	cttcgtcttc	aaggaagcct	ttgcttctga	ccctcagcgc	240
ttcgaccgat	tcacccgcac	ctttacctct	ggtggcgctc	gctccgagat	cctcttcgac	300
ttttccaaga	acttctctac	cgatgagacc	ctcgacctcc	tcgtcaagct	cgctgagcag	360
gctggcgctg	agaaaaagcg	cgatgccatg	tttgcctggc	anaagattaa	cttcaccgaa	420
gaccgcgccc	tctaccacac	tgcttgcgaa	acgttgggtg	ttgggacatg	aaagttgaag	480
gcgttgatgt	tatgaacaca	cagggcgng	tcaacaatgt	cctccaacac	atgaaggagt	540
tttctgaaca	ggttcccagc	ggaaagtgga	aaggatc			577

<210> 618
 <211> 619
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 618						
aagtccttgt	ccccatccag	gagcacatca	accgcctcgt	tgcaattcga	gcgcaggctg	60
acatcatggg	ctctgacctt	ctcgccattg	cccgactga	cgccgaggcc	gccaccctcc	120
tttccaccaa	cattgacccc	cgcgatcatg	ccttcaccc	aggctccacg	aacccgcacac	180
tcaagcctct	caacgatctt	atgatcgctg	ctgaggctag	tggtaaatct	ggtgttgagc	240
tgcaacgtat	tgaggacgag	tggttgccc	aaggcccaat	cttagcaagt	ttcgacgatg	300
ctgggtgctg	cgcgcattgg	ggcgggggtc	ttttcttntg	ataagacttg	gcctctaaga	360
aaaaaaatat	tattttccaa	ggtaangggg	ggaaagaagc	aacttttgag	ggccaggggc	420
ttgtcccccc	ngcaagcttg	aatccggnca	ggggaatatt	ttcttttttg	gaatngggga	480
atggcttccc	ccggaaaanc	ccaaggctac	ttccgcttaa	agtggatgtn	attgcccattg	540
aaccggncat	acatatgcac	ctttattgga	acccncttgg	atgagncaan	tgcccaatcc	600
ccnnacccaa	angtcccca					619

<210> 619
 <211> 450
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

<400> 619
 gatactgtga agcgcaagat gactgaaggc gatggaatgt cactgggtga atttatgtat 60
 cctctccttc aaggatggga cttttggcac atgtacaaca aactcggnat tcagatgcag 120
 attggaggct ccgaccagta tggaaatata accgctggta ttgatgccct caagaccatt 180
 cgcgaaaccg aggaggctcc ccacctgaag atgccgtcga catgggacca tgagccagcg 240
 gnttcactgt tcctttattg actgatgctt ctggngccaa gtttggcaag agtgcaagaa 300
 atgctgtctg gctcgatgag ttcaaaacaa cgccattcga tctgacngat ctttgccac 360
 cctcaaccac gagggggaga ggcttttaag ctgttacctt cttcctttgg aacaatctcc 420
 aaatatggng gancccgacc attnccaaga 450

<210> 620
 <211> 553
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

<400> 620
 cgccaagagg gctgaccctt ggctccagaa tctctaggtc ctctaaaacc tcccgttttg 60
 gcatttccac agactcgtac cgcatacacg ctcttttgtc aagagctcgt ccacnaattc 120
 gtccatgtat gacaaactta caccttcctt tcctctcctt ctnagtgttg gcctatcctc 180
 gagaaacggg tccagcatct cgtaaacatt ctttgcttgc cgtgtgagtc ggaagtaaaa 240
 acacgcaagt gcgcgcagat atttgaaggc ttcaccgccg aatttgagat attccagtaa 300
 taccgcgtcg ctaggcgaaa gctcgagaag cttgaaggcg aggcacaaaa acggactggg 360
 tacttgtgtg gtccatatgt acctccaata aactttgaca tcctcgacaa cgcgatcgac 420
 aatcgcggct tngttgcacc caaaacattg cattttgtaa tatatcgagt cgacnatgcg 480
 gnccctgacn ggctttttcc attataatcn caagggttga aggccgtttg gccccaccen 540
 aaatatggga ccc 553

<210> 621
 <211> 650
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

<400> 621
 ccgcagccca ccgtcaaggc cgaaaaaaaa atcaccaaat ctatcatact aacccgacca 60
 ggaataccgc agcccaccgt caagatgggt tccgccaaga agcacgtccc tatcgtcaag 120
 aagcgacca agcgtctcga acgacaccag tcggatcggt tcatgagagt agaccctca 180
 tggcgtaagc ccaagggtat tgacagccga gtccgcgtc gattccgtgg caccattgcc 240
 atgccctcta tcgggtacgg atccaaccag aagaccctgt acatggcccc ctccggcttc 300
 aaggccttct cgtcagcaac aaatcagatg ttgaactcct ctttatgcat aacaggaccc 360
 atgctgcca gacgcggcac aaacgtctct ttcngaaaag cgagttgaga tcatcgctcg 420
 tgccaagcaa cttgggagtc aaagncacca acccaaggc caagggtacc accgaggggt 480
 aaaangaaat ggatcgggtt tttgggctgg tttacnggta tgcattcgaa gggggattgg 540
 gttacttggg ggtctggcca taaatcatgc atgctagaaa ataaaaaccc ccggtgaacg 600
 acanggcact ggnatttaaa ccgttnaaca gcaaattttt tggagtntaa 650

<210> 622

<211> 610
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 622
 cttcaattgg gtttcaccac tctcgcatat ataggggaca ttgacccttg gtcacttcaa 60
 cttcacatca tacacaatgt ctacacacga aaaggaacac aacgtecgtc aggcgtcttc 120
 anaaaccgca gactcagatt cacctgctcc cggctttcgt cccaaaggat ggatgtacaa 180
 gactattcgc ctccggcgtc tagagctctg gtacgcctca cctaaagtcc aactcttcat 240
 ggtctccatc gtctgcttcc tatgtcccgg catgttcaac gccctgacgg gtcttggtgg 300
 cggcggccag gtctctaacg agggccaaga tcacgccaac acagctcttt acagcacatt 360
 tgctgtcgtt ggtttctttg ccggaacttt tgccaatagg ctgggactga gactgactct 420
 atccattgga gggctgggtt attgngttta cgctgcttcg ttcttgngtt actcgatac 480
 tcaaaacatg ccctttgtcg tctttgctgg tgccctgctt ggcgtttggt ctggactttg 540
 ngggctgcta aggcntatc atgatgttta tcctctgaca aaacaaggga caaacatctc 600
 tggtttggn 610

<210> 623
 <211> 660
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n = A,T,C or G

<400> 623
 cactctcacc tccaatctcc atctctctct tttttgtatt attctccatt ggctgaggag 60
 tctaattctgc tgtgtcttga atcattctct tcctcgata ccctccacat aacaatacac 120
 atacacaaca atggctccta gaggatgtgt cgtaggcggg ggctctctct gtctttctgc 180
 tgcgcacacc atctacctgg ctggcggaac cgtcgttggt ctcgacaagc agggcttctt 240
 cgggtgaaac tctaccaagg ctacttccgg tatcaacggg gctctcacia gaacgcaagt 300
 cgacactggc attcccagca ggcgtcaagca gttctacgat gatactctca agtctgccc 360
 tgacaaggcc cgtcccagcc tcatcaaggc cctcacctac aagtctgctg ctgcccgttg 420
 atggcttcag gatgagttca acctcgaact cactctcggt tctcgtctcg gtggtcactc 480
 ccagccccga acccaccgag gacacgatgc caagttcccc ggtatggcca tcacctacgc 540
 cctgatgcan cgctcgagga cttgccagag caaccgggcc gcgtcgagat catcaagaag 600
 gctcgcgtna ccgagcttaa caaggagggt aacaaggnc a ctgggtgtca agtaccacn 660

<210> 624
 <211> 750
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 624
 ctttgattca caaggagcga cgaccatcc gattcaccca gcatcgaaac gcgagtatga 60
 tggttggttg tgacgtttcg aaccgcatct gcatcctggg cgacgacatt atcgacaccg 120
 gtaacacat cacacgagcg gcgaaacttt tgaagaagga gggcgctact aagggtttacg 180
 ccctcgctac acatggtgtc ttcagcggcg actccattgc tcgaatcaat gtttcctcta 240

ttgacaaaat	gctgggtacc	aactccgttc	cccaagaaga	gcacgctcga	ctatgcccc	300
agctcgaagt	acttgatata	tcgcccgtat	ttgccgaagc	cattcgccgc	gttcaccatg	360
gagagtccat	cagcgtgttg	ttccagcaca	actaangtgt	cggatctcga	cttacggttt	420
gtctacaaaa	gtcccgcctc	gattacttan	gggcgtgaag	aatgtttgaa	agatctgacc	480
gcggaacang	caaataccgc	tttttgccat	tgatgtcgca	ggatcttatc	cctccttgca	540
acacatttaa	atgaactggg	atgttcttat	ttggaattta	ttggggcaca	tccatactat	600
attgcatatg	tcattcgnca	gatatngctt	actgggcatt	ttcttttctt	gacgttttnc	660
atttactact	gtctacgtat	nctgataagg	aatgggggat	cacacaacn	tgtgtgaana	720
gggtatngga	ngaaagggat	tnttnaccgt				750

<210> 625
 <211> 414
 <212> DNA
 <213> Fusarium venenatum

<400> 625	
tggagttgcc	acacccgccg
acacccgccg	acgcggcgct
acgcggcgct	catgatgcag
catgatgcag	ctcggctcgc
ctcggctcgc	acggtgtctt
acggtgtctt	60
tgctcgaagc	ggaattttca
ggaattttca	agtcctggaga
agtcctggaga	ccctgccaaag
ccctgccaaag	cgagccaagg
cgagccaagg	ctatagtgcg
ctatagtgcg	120
agccacgaca	cactttaagg
cactttaagg	atgccaaagt
atgccaaagt	tcttgccagag
tcttgccagag	actagcacgg
actagcacgg	gacttggcga
gacttggcga	180
ggccatgggt	ggaatcaact
ggaatcaact	gcgatagcat
gcgatagcat	gaagccagag
gaagccagag	gagaagcttg
gagaagcttg	ctggacgagg
ctggacgagg	240
atggttaaaga	aaaaaaaaatt
aaaaaaaaatt	gtttattggc
gtttattggc	gttgccaggag
gttgccaggag	aggggtttatt
aggggtttatt	caacatgaaa
caacatgaaa	300
aggaaatgaa	tggttaaaga
tggttaaaga	aaatagtgc
aaatagtgc	tggtggagag
tggtggagag	gatacaacat
gatacaacat	ctctggttga
ctctggttga	360
tgcataagac	ttagcgggtg
ttagcgggtg	tatttgcacc
tatttgcacc	ataatgaata
ataatgaata	ctttttaaga
ctttttaaga	cgaa
cgaa	414

<210> 626
 <211> 548
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 626	
cttcaactcg	acatctgtct
acatctgtct	ctgactcaag
ctgactcaag	tcctatgtat
tcctatgtat	agactcgcag
agactcgcag	caagccgatc
caagccgatc	60
gtttctcaaa	caaaagattg
caaaagattg	gatattttatc
gatattttatc	aactgctctt
aactgctctt	gttgcatctc
gttgcatctc	gcgccatgca
gcgccatgca	120
tatccagtcg	attcctatgt
attcctatgt	gggaggggaag
gggaggggaag	ctccaacaac
ctccaacaac	tacgcctact
tacgcctact	tggtagttag
tggtagttag	180
cgacaagtcc	aatgatgctg
aatgatgctg	tcattcattga
tcattcattga	tcccgccaaac
tcccgccaaac	cctccagaag
cctccagaag	ttgcaccgat
ttgcaccgat	240
tctgaaggat	gctatttcaag
gctatttcaag	cgggcaagat
cgggcaagat	caacttgaca
caacttgaca	gctattgtca
gctattgtca	ataccatca
ataccatca	300
ccattgggat	catgctggag
catgctggag	gcaacaagaa
gcaacaagaa	gcttcttgcc
gcttcttgcc	gaactcggca
gaactcggca	ccccaaagt
ccccaaagt	360
ggatatcatc	ggcggcaaag
ggcggcaaag	actgcgaagg
actgcgaagg	cgtgaccaag
cgtgaccaag	accctgggtca
accctgggtca	cggcgagaac
cggcgagaac	420
ttcaagctgg	gtgacatcac
gtgacatcac	tttcaaagg
tttcaaagg	gtgcacacgc
gtgcacacgc	cgtgccacac
cgtgccacac	tcaaganagc
tcaaganagc	480
atctgcttct	tcgtgcaaga
tcgtgcaaga	tggaaacgac
tggaaacgac	aagntgtttt
aagntgtttt	tactggtgaa
tactggtgaa	actttgttca
actttgttca	540
tccgaaga	548

<210> 627
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 627	
ctttctctcat	ttcttttctgg
ttcttttctgg	cgccccaaat
cgccccaaat	ggctaaaacc
ggctaaaacc	aagggtcaaag
aagggtcaaag	gcacaaagaa
gcacaaagaa	60
caaagtgtgt	aggaaaccca
aggaaaccca	atgttctctt
atgttctctt	aaaggcattg
aaaggcattg	cctgtgacac
cctgtgacac	tcctttctgg
tcctttctgg	120
attcctagga	gccggtaaaa
gccggtaaaa	caactcttct
caactcttct	tcaacacatc
tcaacacatc	ctccgaagtg
ctccgaagtg	aacacggcct
aacacggcct	180

tcgcattgca	gtgggtggta	acgacatagg	agctatcaat	gttgatgcat	ctctcatcaa	240
gcaaaccat	cgtgtcaaca	aaacacaaga	gaaagtcatt	gcccttcaga	atggctgcat	300
ttgctgtacc	ttacgaagag	acctcctaga	agagctgggt	cgactcgctc	agttacaaga	360
gtttgactac	atcatcatcg	agagcagcgg	gattagtggg	cctgagcagg	tcgctgagac	420
gtttgactcg	cgggtggcgg	ancaaattgga	tgccatgggg	tctatcgaag	gtgcacctgg	480
gcttgacgct	gacatgatca	aagttctcaa	tcagctaaaa	gaaactgggtg	gtcttgaaaa	540
agtttgccag	gctcgatacc	ccgttactgg	cattgatgca	ttcactatgc	tccatgactt	600
tgacacaagt	gaccttgttt	tcttttn				627

<210> 628

<211> 517

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 628

tgaaggagaa	gacttgactc	aacagttcat	tgtaaatcat	ggaggctttc	aagactcacg	60
gaggcgtcag	tccattccc	actgtcatcc	ctgaaccaac	tcactacca	accatcggcc	120
acaatggcgt	tcgcgctcta	tgggttctct	tcgtcgccat	gaccgtcgtc	tccgccatct	180
tcgccattat	gtcatggaac	gtcgccgtcc	agcgccgcat	tttctacttc	ctgtccacct	240
tgaccaccat	catctctgcc	cttgctact	tcgccatggc	ttccgggtcaa	acctcgact	300
tcaactgcac	cagcggtgcg	gaccaccaca	agcacgtccc	cgacaccaac	acgatgtctg	360
tcgccaaagtc	ntctggggcg	gctacgttga	ctgggctctc	tccacaccan	tctgattgtt	420
gagcttgctt	gttggtgggtg	ttgatgggtg	cacacatcat	ggcgctcattg	ctaattgtcac	480
cttgcctctg	ctggggcttc	tctgcgtcgn	catgcaa			517

<210> 629

<211> 435

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 629

aggaaaagga	ccgctgcaag	cagtgtaacg	gaaagaagac	cactgtcgac	cgcanggttc	60
tccacgtcca	cgctcgacaag	gggtgtccgca	gcggcaccaa	ggtcgagttc	cgaggcgagg	120
gtgatcaanc	accgggtggt	caggctggcg	acgtcntttt	cgagatcgag	canaancccc	180
atgctcgttt	caccgcgtcgn	gaanacgatc	tgctttacaa	ctgcgatata	gagcttggtta	240
cagctctggc	tggtgggtacc	atctacattg	ancacctcga	tgaccgatgg	ctggctgttg	300
atatccttcc	tgggggagggt	atctctcaag	acgtgtgcaa	aatnatcgc	ggcaangtat	360
ccttcccca	gcaccacgac	tttnggcaac	atgtacatca	agttcacgtc	aaagttcccc	420
aaaanaactg	accgt					435

<210> 630

<211> 359

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(359)

<223> n = A,T,C or G

<400> 630
gtcgggacca ggaaggctgt ccagactgnc taccctctca ttgacaacga ccctcacttc 60
aagcgagtcg ttggatatgc ccgaacctcc gattacctng ccggcaccgc cgctgccgct 120
tttgctcctg cagccctcta tgctcttgag aagtttgccc cgtcacacgt agggaaaaggt 180
ggtttcgcta aggctatgcg attggccgga ggcacgcgtg tcttgggcgg ntttctctac 240
ttntaccaa gatcggccct ccgatctacg gtgctactga gaactnccgc gaaattcana 300
tngacatncc cnagatgggt gncaangtta agaangnga gcctctgtat ggagttagt 359

<210> 631
<211> 647
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 631
ccaaaatttc ccatttctct ccttgacttc accttctctc ttttttctct aaaccccccg 60
tttctagcat catcattggc tacttcttct atctcgaatc gccaatatct cgtgcgtgag 120
aattcggtcc tgtgttgata aaaccgtgac ctcttcttta atcttcgtct actctcgtaa 180
cgacacctat tgacacgcgt ctctcggtat atccaacccg cactttccta caagtccttc 240
cacttcgaac gttcttgata tttcaatatg gcttctctctg gcagcgnagt ccccgagcgt 300
ggnccttctt gcctcgccca ccaacgttcc ttctcagcca ccccngctg ctgacaacag 360
gaacattgtc cgaagaaaagc tcacgggcta tgtcgggttc gccaacctgc ccaaccaatg 420
gcaccgaaag agtgtgcgca aaggntttaa ctttaattgtc tggtcgttgg tgaatctggc 480
cttggaatc ctacactggg tcaacaccct gttcaacaac tctctctaac ccccccaagg 540
aaacgcaagg ggccccagcc tcgacattat tcccaagacg ttaccatcca ntccatcagc 600
gccgatatcg aagaagctgg tgctcgtctt cgcctcactg tcgtcga 647

<210> 632
<211> 1044
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(1044)
<223> n = A,T,C or G

<400> 632
ncgtctggaa catnattggn ggtttcggna tcgngtgccc tctctttatg aagntnggca 60
agaaggcact canggaccgc atcatgcccg gtattctcag nggcagagaa gcnaatctgc 120
ttggctatca ctgagcctga tgctggcagt gatgttgnc aattgacatg cnaggccaag 180
ttgagtgagg atggaaagca ctatatgan aacggngaga agaagtggat caccaacggt 240
atctggtacc gactacttta ccgttgctgn acgaactgga gaggtctgaa tgaacggcgn 300
gtctctgctt ctnattgagc gtancgaggg tgnctagncc cgacgtatgc cctgccaagg 360
tgtcctttct tcaggcacia catatatcac ctttgaggac gtcaagggtc ctgtcgagaa 420
cctccttgga aaggaaaacc aaggcttcaa gggtatcatg accaacttca accatgagcg 480
tatgggtatt atcatccagt cactccgatt ctctcgtgtt tgctacgagg agtccgtcaa 540
gtacggcagc aagcggcgca cctttggcaa aaaactcatc gaccaccctg tcatccgtat 600
gaagcttgcg catatggccc gccaaataga ggcttcgtat aactggcttg agaatctcat 660
ctaccagtgc gagcgcatgg gggagaccga ggctatgctg cgacttggag gtcccatcgc 720
tggctcctaa gcacagtcta cactcacttt tgagttctgc gcccagagag ccagtcagat 780
ctttggaggc ctgagctact ctctgggtgg acagggcgcc aaggtagagc gactctaccg 840
tgatgtgaga gogtacgcta tcccaagtgg cagtgaagag aatatgcttg atctcaacat 900
gcgacagagc tttgagaatg gcgaaggcgg taagcatgaa actctaaaag aagttgggat 960
taaatgtcct gtatgaatac tgnacctcat tngngagttt tnaagtattt attggaatat 1020
taaccatggc ttggaatatg aagg 1044

<210> 633
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 633
 cgaactctac aaagaatccc caactctacc caggaacccg aactcttcct ccgcatcatg 60
 aaccgaacga acagcgaant ccctgttgcc gcttcagcat gaaattttgg gtgctgccat 120
 gggaacacca ccgaagggtc tcctccgccc ctggggccaaa ggaaccttgg gtctcaacgt 180
 tgtttgggag ttacagcttc acgttggttc tgggtgcctc cgaccctctc ccttctacaa 240
 aggcggttcg cgacgcccac gccgttttcc aacaggcacg cgacttttgg gtncgccatg 300
 cacacccttg acnttggtgg tggcttctgt ggcgaaacct ttgaagccat ggccaacgtc 360
 ctccgtggcg ctctcgatga attcttcccg cctcacagcg gcgtcganat catcgccgaa 420
 nctggctcgt actatgttgc tacgggcttc accatcgctt gcaacatcat cgctcgccgc 480
 accgttgaag acctactctc natggaaaag gttacatgct ctacgtcaac aacngtgtct 540
 atggaaactt ctccaacatc atgtttgaac aac 573

<210> 634
 <211> 361
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 634
 attgccatca ctaagggtca tatgaagctg ccagaacttg ctgagagtgt caaggctggg 60
 cgactgggtg ccgatggcaa agtgtgcctg aacgatcagg gtgaattggc tgtcaccaag 120
 tttgcggtcg agccggtctg gtatctgcct ggcgtggcag aacgatttgg tatcgatgag 180
 gccactcttc gacgttcgct gttcgaacac actgggtggaa gttaccacaga gtcattact 240
 cngggagaca tcaaagtctt nctccacca ttgggggtct caccngtgtt gtttcggaac 300
 cctgnaaaat gtcggacnat cggccaattg ttntgaaaaa cacaacaggg cacggggcca 360
 c 361

<210> 635
 <211> 316
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(316)
 <223> n = A,T,C or G

<400> 635
 agattacaac ctcaactcanc tggatcgctc gccaaactgt agaggncgan actaacatng 60
 tatcgngnga gcgtgtcctt gaatatgcnh ccctaccag cgaggcnccc gaaattatta 120
 ccaagaaccg accccctgtc tnttggcctg tcaaggcgca ggttgatttt gtnaactata 180
 gcacacgtta tcngagggc ctggacttag tgctcaanaa tattagcctc aacatcaagt 240
 cncacganaa gatcggcgtt gttggtcgca ctggggcggg caagtcattc ctcacactcn 300
 ccttgttccg tctcat 316

<210> 636
 <211> 468
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 636
 gcaattnaac catatacncnt ggagcgcgca tttgcaaatt actgccaaaa aatcactcaa 60
 tcaagacgag aaagctcttt ttataaacat aatatttnaa catgtcgtgg gcgggggttna 120
 agaagaatgt naaccgcgcg acgacgcagg ttatgatgaa gacggggcac gtggaaaaga 180
 caaacgatcg cgattatgaa gtgcaagaaa ggcgattcaa gaccatggaa gcagctgctt 240
 tgcgactaca aaaggaatca aagggttatt tngattctct ncgagctatg actgcttngc 300
 aaaagcgaat tgnCGaaacg atagatgcat tntatggcga cgcangtgcc gaaagancgg 360
 ngtttagcagg agttacaaaa cangcagntt gaagatntaa cgccgaaaca tcaaagcctt 420
 agacgggcna taccggaaca ctntcttgac cccatcacac gaatttgg 468

<210> 637
 <211> 650
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

<400> 637
 agcaggactg gaacgaacca aacacaatga acggcacaca atcggttggt tgttcagatt 60
 gcattggctc cgccattatt ttcattcatc atcagaccct tgccttcgtg cgctgatatt 120
 tgccgcatac caagatacat tctggggccat cactaacctc ttttctccta ttctagatct 180
 caccaactct cggccatggc ccaactcccc tcatcctcgt ccgtcgaaga cgccgccgaa 240
 aacactgcag acgaggaaga ttctgaagac tactgcaaag gtggttacca cccagtacag 300
 gttggagaga agtttaaaga cggaaaatac acagtcgttc gcaagctang atggggccat 360
 ttctcaaccg tctggcttct ccgagacaac accaacggca aacatgttgc tctcaaggct 420
 gtcgctccg ccgcccacta tnccgagacc gccatcgacg anatcaagct tctcaataag 480
 antgttcang ccaagcccga ccacccangt cgcaagcatg ttgtgantct tttggactcg 540
 tttgagcaca anggaactca tggcnccacc tntgtttggt ttctgangtc ctangananaa 600
 acttgctccg gctcatcaag gtttgggaacc atcgtggtat cccatgccct 650

<210> 638
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 638
 ctaaagacgc acatcaagcg cagcgaagcc tttgaggtcg atttcgccga atttctggat 60
 gatgctctgg tagaggcctt tgatcttcga gaaagtatgg atcgtaacga agagcaatca 120
 gatcccagct ctaaggagtg gtggatcttg aagccaggca tgagtgatcg aggccagggt 180
 atcaaacctc tcagttcgat ggacgagctc cagaacatct tcgatatctg ggaggaggac 240
 cagcccagata ctgacgatga agaggaggtc gctgacaatg acaacaatgg tgacggcatt 300
 acaacctcac atctccgaca tttcgtcgcg cagccatata tccacccacc tctacttggt 360

gatggcgaaa	agcgtaagtt	ccatatccgc	acatacgtaa	tgtgcaccgg	aagccttgat	420
gtctgggtct	acaagcatat	gcttgcgctc	ttcgctggca	agccatacac	tgcacccgca	480
gatgcacaga	agacattgag	tctttcctga	ccaacacatg	tcttcnagac	tcgccaaacn	540
anaacactgt	tcgtcnnttc	ctggggacct	gcctctatca	agcgacatg		589

<210> 639
 <211> 582
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

<400> 639	
gttgctttat	cttcgacgag aaggctcgagg cccctgcact caaggaggag ctccagaagc 60
cttaccgcga	gatccaggcc aaggcccgaa ttattgccaa ggtagccag gagtgcaagc 120
ttgacgtcaa	cgaggaggaa tatgcgcaga agcttaagtg gcagcttatg gagacggttt 180
acacatgggc	ccaaggctcg ccatttgtcg agatttgcaa aatgacaaat gtctacgaag 240
gctcacttat	ccgtcttttc cgtcgtctgg aagagcttct gcgacagatg gccagggctg 300
ccaagggtcat	gggcaacgag gatctgacca agaagttcga ggagagtctg tccaagatcc 360
gcagagacat	tggtgccgcc cagagtctgt actataaagt cccctttgct cgtagaataa 420
aatgctacaa	ggggcagcca cgaaaagggg gatgatatgt agattctgan ttatcattac 480
tggttaaggag	ttggcgctcn ggaaaagatg ttcaattanc tgtgatccgg tancaattcc 540
ttctggccat	gttgggaaca aaccggtcaa anccaggaat cc 582

<210> 640
 <211> 639
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 640	
gaacctgggt	tttttcaata agatcagttt ccgtenaccc aaantggagg aagacagacg 60
acagaccgat	ctcggcacag cagccgatat cgaagaggcc cagctcgctc aggctagccc 120
atcccccgcc	attgaaaatg agacagagtc agcaacacca cagaacgggg ccacgccgnt 180
gaagcngccc	aanaagagat ttgtaggaaa aagaatcgct aatgaggttg ctgcaaanaa 240
tggtatcgctg	ggggctgctg gtgcaagcgg cactgtcgca actgccaaac cccgaagagc 300
gccagacta	ttgaatcaag ttcctaagga aattctcgag aatcctgatc tgaaggctgc 360
tattgctttg	ctaccggcca actacaactt tgagattcca aagacgattc atcgtatcca 420
gacctcagac	tccaagagag ttgcgctcca gatgcccgaa ggcctccttn tttttgctac 480
taccatctcc	gacattctga cccaattctg cccgggtatc gagactctna tnatgggaga 540
tgtgacctac	ggngcatgct gtatcgatga ttacactgng agggcccttg attgcgactt 600
gntggngnca	ctatgctcac aagnttgtct tatnccctg 639

<210> 641
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 641
gatgatgata tcantgctnc ccccgatcg ataattgccg aaggagctgc caagaagaag 60
aaaaagagaa ngccaaagaa gaagaagaag actgctnccc agcaatcttc acctcccagg 120
gttcccctga gtgagctctt tgcaaacaag gattatcccc tnggtgaact ccagagctat 180
tctgatgact ttaacacggc tcgtactact gctgaggaag ttcgctacaa gagtcgtcga 240
cagctngagg accctgnttt tctgaacgat tatcgcaaag cggctgaagt ccatcgtcag 300
attcgacagt ggactcagga gaacgtcaag cctggtcaca ctctcaatga gatcgccaat 360
gggtgttgagg atgggtgtacg tgcgcttctg ggaaaccagg gaattgaacc tggtgacaac 420
atcaagtctg gantgggctt tccgacgggt ctttgtctga accatgaaac tgcgcactac 480
acgcctaatac ctgccaaaag gacgttggtc tcaagtatga ngatgtcatg aagggttgatt 540
tcggcgtgca aatcaatgga tggattggan acngggcggt taccatgtn ttttgatccc 600
accgtatgat aatctnctan cggtgggcaaa gatn 634

<210> 642
<211> 609
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 642
acgatttcat catcaaattc aacgagttaa ggagtcgtgc gcgtcgnccc catcgatatcc 60
tggtcttcct atctcttcgg caaaccgcga gttgcctgta cctattatgc tagttggcaa 120
caagagcgat ctgagtcacc gagagagagg tttctacaca agaaggtcac gccctcgccc 180
gcgaactcgg ctgagagttt gtggaagctt tcagcgaaga actgcatcaa cgtcnaaaag 240
gcgttctacg acgtcgttag gattctacgc cggcagcgac aacaagcctc tcgtnccttcg 300
gaaagatcaa gtggacggac acnaacaggc aatggcgatg cacggggcgg cgatcgagac 360
gaaagacaca gaaataggaa caaggccgaa acaagtccaa atgcgtggta ttatgagtgg 420
atcataccat catggattaa agggatccat atgttaaaga ggaggaaaaa taaggnggac 480
gaacaaattg agaccaca acgacaacag gccagggtaa ngaccacata taangggatc 540
cttttggcga acangatntc cccatgattt taaaaatgat tggcaanatac cgggggaaga 600
caaaaaaaaa 609

<210> 643
<211> 488
<212> DNA
<213> *Fusarium venenatum*

<400> 643
atgcacttca agaagactgc cttcatcgtc gagcacgatt tcatcatggc cacctatctc 60
gctgaccgag tcattgtctt tgacggacag cctgggtattg atgctcacgc caacaagccc 120
gagtctcttc tcaactggctg caacaccttc ttgaagaacc ttaacgtcac tttccgccgt 180
gacctacca actaccgccc ccgcatcaac aagaacggat ctcagctcga ccaagagcag 240
aagctgggcg gcaactactt cttcttggag gagaaccctg accagagcta aaggcgttta 300
taacgagact ctgcctcccc ttgatgggtgc atctcccggc gtttgtggcg ttcaaaatgg 360
gaatcggcga aagcagcggg acttaggaat atatgatgag cgcagcgccg gcgaggatga 420
cgatccagac gaataacgat ggtgacggca gcgtatcccc tgttgtctgg tcctacgaaa 480
gccgttgg 488

<210> 644
<211> 596
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(596)

<223> n = A,T,C or G

<400> 644

gtctttgccc	tcactccctc	tcgacaatca	cctcacaatc	ttccaaaaat	gctgtcaaga	60
agtatagcta	ccgccagccc	gtatggtgcc	cgtcgggtg	ctgaggcccc	gtgcgcaccc	120
tcttgtcatg	cttccttcca	tgatgcagac	cgttcgtacc	tacgccgatt	ccgtcatcaa	180
gggtccccag	atggccgagt	ccatttctga	gggtaccctt	aaacagttct	ccaagagcgt	240
tggcgactat	gttgccaggg	atgaggagat	tgctacaatt	gagaccgaca	agattgacgt	300
tgccgtcaac	gctaccgagg	ccggcactat	taaagagttc	cttgtcgcgg	aagaagacac	360
cgttactgtc	ggccaggatc	tcgttcgcac	cgagcttggt	ggtgagccat	ctggcgacaa	420
gaaggatgcc	ctaaggaaaa	actacaaatt	ccgaattcca	agcaaacccta	cccctaagca	480
agatcncccc	ganctaaaaa	gaagcgtccc	gctcccacaa	nccgaagntc	ccgacgccga	540
aaaaacatca	atcgatctcn	ctcacngcct	cttggtacgc	aaaactcctc	aaataa	596

<210> 645

<211> 637

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(637)

<223> n = A,T,C or G

<400> 645

ggcggattca	tcctcttgtg	cgacatcatc	aatctcttca	ctgtctcatt	acccaacatg	60
attctccgga	gtaaaacact	tgctgctggc	tcancgctgg	tcgctgtagc	tagtgcttcg	120
caacctggag	ctccggcgcc	tgtaccaggt	cccatgagag	aacttacttg	gggtcagatt	180
aactttatcc	acacaacgga	tacacatggc	tggattggcg	gccacttaca	agagcctcaa	240
tattctgccc	attgggggtga	ctacatctcc	ttcaccaagc	acatgcgcga	cgaagccgac	300
aagaaggggag	ccgacctact	agtcacgat	accggcgatc	gcacgaagg	aaacggacta	360
tacgacgcct	caacccccaa	gggcctcttt	caatatgata	tctacgccga	agccgacgtc	420
gacatcatgt	ctactggcaa	ccatgaactt	tacaaagtct	actcggccga	tatggaacac	480
aacactaccg	ttoccaaacta	caagaacagc	tacottgcat	caaacctcga	ctacatcagt	540
ttcgaaaccg	gtgatcgcgt	tccacaagcc	ccacgctaca	agaagttcaa	gacaaaaagaa	600
ccaaggggtct	caacgtttgt	gctttcggct	ttcnttt			637

<210> 646

<211> 602

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(602)

<223> n = A,T,C or G

<400> 646

aaaacatact	cgcttttcctc	ttctctacgc	attagcgatt	taaccgaccc	gaacaggtcc	60
ccagattttca	aaatggccgg	aaactttgag	gatgtcgcca	agcaatttgt	tgagttctac	120
tacaacacct	tcgacactga	tcgcaagggc	ctcgtttctc	tctaccgacc	tcactccatg	180
ctgacctttg	agtctgcttc	cgtcctcggt	gccgaagctg	ttgttgagaa	gcttgccggc	240
ctcccccttc	agaaagtcaa	gcaccaggtt	tctaccatcg	atgccagcc	ctccaacgag	300
cagggnggca	tcatcatcct	catcactggt	gctctttctca	tcgacgagga	gcagaacccc	360
atgaacttct	cccagacctt	ccagcttcac	cgcgaccaat	ctggacaata	cttcgtctac	420
aaccgatctt	ttcaagcttg	ttctcggtta	aagagcgtat	tgagttggac	tgaacatga	480
aaatgaaagt	ctacaccaag	gggggcgaaa	gaggagggga	aattaaacca	ggaatggcaa	540
tgggaatagt	gttttttttg	acnatncgat	gaaatttaaa	aaattgtccc	ngttgaaaaa	600
aa						602

<210> 647
 <211> 546
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(546)
 <223> n = A,T,C or G

```
<400> 647
tgcccttgtc actcaaacc aggataccat caaacaccat ctttcaactcc atcaaagcat      60
gctcaccagc gcaagtatgc cactccaact acacaccggt gtcagaagga gtacgccttt      120
gagatggctg cttcgtccat caggtttggt cctgggtgta ctcaggaaat tggatatggac      180
ttgaagaaca tgggagctca gcgtgtttgc gtcgtgaccg atgagactgt caacaagttg      240
gatgccatga gacaagtcct tgaagctctc actcggggang gcattccttt cgaagtgtac      300
tccaagggtc gtgttgaacc aaaggatagc tccatcaaag aagcaattgc ttggggccgt      360
ccatatgcac cagatgcctt cctggccgtt ggaagtgggt cagttatgga cacagccaaa      420
cttatgaacc tttacacagc gtacctgacg ctgacttcct ggactttgtc aacgctcctc      480
tangcaaggg ccgtcccatt gataagaagc taacaccact catcgccgtc cctacaacag      540
cggca                                           546
```

<210> 648
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

```
<400> 648
ttcttggttn ntgatcaaaa tgttcgttct gttattcatg ctatacaaaa tcataaaaac      60
tcataaaacta gggctataca caaaactgta accaagattc atctgggtac ctcgacaaca      120
ccaccagaaa accgaaatca acaccgcctt gaactcctct tagtagggtg tcaatcacc      180
ttttcgtaac ggatggccct ttacttttgg ggcgtgcttt cccgcactgc ccaagcgaca      240
gccgcgcgct tatcgggctg gtgtcaacga catagcgacc gacaacttgg ccagccttca      300
tgagcttgaa gacgtcgttg agctcagaga gaccaacagt cttgaaggga accttgatga      360
ggccacggcg gtagaagtcg atggcctcag cagtatcggt acggttaccg acgtaggatc      420
ccttgatctg gatcatgcga acgacagtgt cgaacacggg agcagagaat tgagcaccag      480
cggggagacc gatgcagacg actgtgccct tagatcggtg gtactgggta gcctgttgga      540
agggcttntc ggcagcagcc gacaaaaana agcagcgngg agggccgaaa c              591
```

<210> 649
 <211> 338
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

```
<400> 649
cggcaacttg ccaaagtggg gtgatcccaa gttcaagatc cccgatattg ctattcagta      60
ctggaagatg ccaaaggagc accgcacgat gaaggacttg atcctgtaca tccggggcga      120
tgaggcaaca catcgaggag tcaaccatac actgggcaac ctcaaccaga acgacgaccc      180
aaacccattc gtcagtgaat tcaaggatcg cgaaccacca agacctgntt tgaaggcagc      240
cggttacgat cgagctgaag tcatctaaag acggtcaatg ccgaaataag agcgacatgc      300
```

ctcaaggtct gttgcagggtt atattggaaa aaaaaaat

338

<210> 650

<211> 599

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(599)

<223> n = A,T,C or G

<400> 650

gtcgccgata	tcgattgagt	ccattgtcag	ttttgcgcgc	cgtcccacgc	cccattttta	60
caaacgagtt	cataagccga	cgaagctcaa	ttcagttcac	aatgcctact	cccaggtccg	120
agcaattcaa	ggcccagaag	cctaccgtcg	ctcccacctt	taacggcgtc	gactacgatg	180
ataccaaggg	cttcaaggcc	gccgaggatg	ccctcattcg	ggaacaatgg	gtcggcgcca	240
tgatgacctg	acttgttggt	gaggagctga	acaagtgcta	cgttcgtgag	ggtgtcaacc	300
acctcgagaa	ctgcggccac	ctccgagagc	gatatcttca	attgctcaag	acaaacaaga	360
tcaagggcac	caagttcttg	caacaaaact	atgtcgacca	gaaggaaaca	gatcttgacc	420
tggcggggcaa	ggtccacaca	agcgacaaga	tcgccaagat	gaaccatgac	cgattctttt	480
tgtaaaaggg	aaatgaatgt	aagtcattgt	tgggatggaa	gtgaacggga	tttggttatc	540
ttaaaccggga	aggactttta	nottgatata	ccacatgatt	gtgaccactc	gcttgctat	599

<210> 651

<211> 596

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 651

tgcagactta	accgtgctat	ctcaacctct	catatcatta	cacttgccct	tggcatccat	60
gttctcacgc	atctctcaga	tcactcgcca	tctctcagtt	cccattctga	acaacaccag	120
acgatttgct	cttgagcgaa	tcattggctcc	cgtatcgggc	gatgagcgca	actcgcgcac	180
tatttccaca	gcagcctgct	tgatcatttg	agatgaggtc	ctaggcggaa	agacggttga	240
taccaactct	gcctaccttg	ccaaatgggt	ctttaacctc	ggaattagtc	ttaaaccgaat	300
cgaggtcatt	gcggatgatg	aaagtggagt	tattgaggca	gttcgaanaa	tgagtgcagg	360
ctatgatttc	gttgtagaaa	gtggtgggat	tggacctaca	cacgacgaca	tcacctatca	420
atctattgcc	acagccttca	acctacctct	caagcttcac	caggagacct	ttgagaagat	480
gaagcttctt	tcaaagcctc	accccaacca	acccaagtgc	gattgggaag	ttgaatcccc	540
cgccagaana	accaagcttc	gcattggcaga	actgccaccg	gacgaatccc	gggatc	596

<210> 652

<211> 617

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 652

gagaatctna	aaaatcccc	aaacctgtcg	cgactgagag	cgaagttatc	acagaggact	60
tccttaccaa	attcttgccc	aaaaacacag	ctgatccaaa	tgtcttcaca	cagtaccatg	120
ttcttatggg	atgtacatcg	aacatgggtg	caggctctga	taccacagct	atcagcctgt	180

P **E** **R** **S** **O** **N**

P **E** **R** **I** **O**

[illegible][illegible][illegible][illegible][illegible]

P **E** **R** **S** **O** **N**

P **E** **R** **S** **O** **N**

<223> n = A,T,C or G

<400> 655

cttctcccta	caacgtcacc	aacacaaata	cccgcaaact	cccaaagact	ttgcatctcg	60
caaaccgctg	caagacatat	tcatccctca	tacccaaatc	agtactctag	atacctatac	120
agcgaggcgc	tattctagcc	agcggtcgct	gaacacatcc	tcaacccttt	tacaaaaccc	180
atttcccaag	gtaaccccag	tacctccgag	tttatgtcca	tcgaaaatct	caagacctac	240
gaccccttcg	ccgaagccga	cgaggacacc	ggagaaacca	agcagacgca	gaattacatc	300
catatacgca	ttcagcagcg	taatggacgt	aagactttga	ccactgttca	gggtctcccc	360
aagaagtttg	accagaagaa	gattcttaag	gtcatcaaga	agaaatttgc	ctgcaatggc	420
accatcggtt	acgactccga	gatgggagag	gtgatccagc	tccagggtga	tcagcgtaaa	480
gatgttcagg	atthttcttg	cgataagaag	gaaggcctcg	agctagatgc	caagaccatt	540
aagggtccacg	gtttctaaag	ctctgcatgc	cccgctcgcc	tgtcagtcgc	cgttcccggg	600
cgtcttgacg	tagagggaca	gggatgcatg	gccacctcgg	cttgtgcctt	ttccggacgt	660
gttctcttgc	tctcgcaaca	gacacaccga	ggctcggctc	cgattactct	aggacgacgg	720
gcattcactt	aggggtgagct	tttgcctctg	gtggcttttt	ggaagagtat	ttattctatg	780
ctgcacgggt	ctgcggcggg	taggaaccgt	attcgacaac	taccttgctc	gcgtgcacca	840
aggacgaggc	ttcggggccaa	agcatttggt	tatcaaacat	atggcttggt	gtcgctcgtag	900
cagaatgtta	cttggcaacc	ncgcanagtt	tagcaaa			937

<210> 656

<211> 454

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(454)

<223> n = A,T,C or G

<400> 656

gcagtacatc	tgggagtcga	gcgctggtgg	tactttctct	atcaccgagg	acaccgacag	60
cgagcagctc	ggccgcggta	cctccatcat	cctccacctc	aaggaggagg	cagaccgact	120
acctgaacga	gagcaagatc	aaggaggtca	tcaagaagca	ctccgagttc	atctcttacc	180
ccatctacct	ccacgtcgag	aaggagaccg	agaaggaggt	ccccgatgag	gangccgang	240
angtcaccga	nganggtgat	gacaagaagc	ccaagatcga	agaggtcgat	gatgatgagg	300
aggagaagcc	caagcgagga	ctgtcgaaag	ccaaggctac	tactaccaag	gccaaaggcga	360
agaagtagag	catggctatc	attgcatgaa	acgggtatgt	aaataatatt	tcnngcgncg	420
ggtcgggttt	gtcggggttag	ctactatgga	ccaa			454

<210> 657

<211> 593

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 657

ttattgagtg	aggttcttgg	aaagcaagtt	ggccctgtgg	cctatggcct	catgggcttc	60
acatggcgcc	caaagtctac	ccctctggac	caggctattg	aaagccatgc	gcgctgcctc	120
taacaatggc	tgcacgtctt	ggagcggcgc	cgagttctac	ggacccccag	aantacaata	180
gcatgaccct	gtcaaggcgc	tntttcacaa	agtatcccga	agacgccaac	aagatcccca	240
tagttatgaa	aggtacctat	aatctcgaaa	agttccagct	cgatggatct	ccaganaacg	300
ttcgaaaggc	gacgacaacc	gtgatcaacc	agctcggggg	aacaaaaaaa	cttgacatct	360
ttgcgccttc	aagacnanac	cacaaagtcc	ctttcgagac	gacctcagcg	tcattcagaa	420
ngagtacgtc	gatactggca	aaattggggg	cattgctctt	tcaaaatgca	gcgccganac	480
tatcgaaaga	gntgtcaaga	ttgccnagat	cagccnctt	gaagttganc	tcaacttgnt	540

ttagcacana natcttgcgc cacggcgcttn ctgccgcttg tngcttaaca caa

593

<210> 658

<211> 613

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(613)

<223> n = A,T,C or G

<400> 658

gcctcagtcg gctcctactg acaacgacat tctgcctggt gagttcttga ccctctatat	60
ctcttatgcg cggctctaana tccagcctgt catctcgcag gaggtgccc aagagcttgt	120
cgaatgctat gtcgccatgc gtgctctcgg acaagatggt cgctctgctg acaaacgtat	180
cactgctaca acccgtaaac tcgagagcat gatccgtctg tcanaagctc atgccaagat	240
gcgtctttcc naaacaagtt actcgtgacg atgtccgnga ggccaaccgt nttattcaga	300
gcgcctngaa nactgctgct acagacgcca atggctgcgt tgacatgagt cttctcaccg	360
agggaaactag tgctgctgat cgcaagcgtc gtgaggacct ccgtactgct attctgcgtc	420
tttggaacnac atgacccgcc ggangaaca caagttcgat ggggcgacct ctctccccgc	480
tgagtgangg ggccagcntc ccggtgnaca atctgagttc aaccaaata ga tganggctct	540
ggaggtgaa aatctnttat tatcatnggc cnaaggccca anaaggcccc tccgnagggg	600
gaatttccgg tgc	613

<210> 659

<211> 611

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(611)

<223> n = A,T,C or G

<400> 659

cttggccata tctttcttga cgttttcaaa aacacgcct tgagtcattc aacgcttctc	60
tttttatatt gtatttaaca gtcattggtt ctttctacta agacgaatct caagcctcca	120
ttctccaatc ttctttacat atattcaaga gcaagatgcc caccgtgcac ctattagatt	180
atgttgccgg caacatcagg agtctggtga atgccattga aaagtgtggc tacgaggtcg	240
aatgggttcg atctccagag gacgttccca atgcagagaa actcatnctc ccggtgtcg	300
gccacttcgg ccattgtctt tcccagcttt ctcaagccgg ctacctagag cctatcaaga	360
agcacattgc cgatgggaag ccttttttcg gtgtttgctg tggcctacag gctctcttcc	420
agggttctgt cgaggatcct gacatccccg gtctcggagt cgtaccagct gcttttggat	480
agattcgacg actcaaggaa atcgggtgct cacattgggt tggacaatat ccttccactgc	540
tggttaaggcc catgtncgac ctttnaacc gactcaaagt attactaatg tcaactctac	600
aaggtgcccc c	611

<210> 660

<211> 446

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(446)

<223> n = A,T,C or G

<400> 660

tggagaacga ccgnggcgag attgtggncc tttacgnncc ccgcaagtgc agtgccacca	60
---	----

accgnatnat	caaggccaag	gatcacgnt	ntgttcagat	cttcatcgcc	aaggttgatg	120
agaacggccg	tgccgtccag	ggcgagaacc	acgtctacgc	cctntgnggt	ttcgtccgag	180
ccatgggcta	nagcgacgac	tccctcaacc	gactggccca	ncgcgatggc	cttctcaaga	240
gcgtntggag	cggacagcga	taaatcaata	aagcgtggga	aaaagggtact	cgacatctgg	300
ttctgagaat	cctcgacaag	gaattctgat	acgaatggac	cacagggttt	tgggttcggg	360
cacgaaggca	atgggtgaaa	gaaactaggg	ttggctgcat	ctagcaaate	cacttcgagg	420
cgttcggtc	gattttgaga	cnccan				446

<210> 661

<211> 336

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(336)

<223> n = A,T,C or G

<400> 661

gacggtgcac	tggtagctgc	cgcaactcta	tctaaccgct	acatcaccca	tcgattctta	60
ccagacaaag	ccattgacct	catggacgag	gcagccagtc	atctcaagct	gcagcacgag	120
tccaagcctg	aagacatcat	gcgccttgac	cacaagatca	tgacgattca	gattgagctc	180
gagagtttga	ggaaggagtc	tgatgtggca	agtaaggagc	gccgagagaa	gctggaaaac	240
gatctcaaga	aattgaacga	ggaaatttct	gggctcaacg	cgcgctggga	gaaggaacgt	300
gctgagattg	aatcggttaa	agaaggggtt	ncccc			336

<210> 662

<211> 553

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(553)

<223> n = A,T,C or G

<400> 662

tatcaacgtg	ccctccaatg	atccccccct	cgacagnggt	gctcaggatg	cttctgcttc	60
tcctcttgtc	gttgnggcta	cccgcgctgg	tgtcaaggtc	ctccctgaca	tcataaacgc	120
cgttctcctc	tccgccatcc	tcacagctgc	caactccaac	gtctactcca	gcagtcgtat	180
catggttgct	ctcgttgagg	atggctcttg	cctgntttc	atgaagcgaa	ccaacaagta	240
cggcncccc	tacttcgccg	ttgcctcatg	ctccgctcatg	ggctctnattg	cctacatcaa	300
cctctcctcc	agnggaaaaa	aggtcttcaa	ctggcttctc	aatgtcagtt	ccaccttatg	360
cttcatcacc	tgggtcctga	tcaatgngng	ccatatcccg	cttccaaaan	atcatggctg	420
cacagggtat	ccctcgagan	gaagcttccc	taccttgcc	ctttncagcc	ttacctgncg	480
nactacgggg	ntttcttngg	ggctctcatc	actattactt	ggggnttcac	ccgtntttat	540
cgagngggat	acc					553

<210> 663

<211> 575

<212> DNA

<213> Fusarium venenatum

<400> 663

cttccgthtc	ggatcacttt	cttgtcttcg	gacgatcatt	cctttgatcc	aaagcttctc	60
attccttttg	ggaagtcgaa	tctacacaa	cctgaacaa	catccacgaa	gtagttctc	120
gatcatcacc	aatctactcc	atcactcgga	gtaactttga	ctaccacgct	ttgattcagt	180
ctttcatcag	acgtgcaca	aatttatcac	tcttgtcttg	acgacaatcg	agaaaccttg	240
acaatccaat	tctcaatcca	aacaaaaaac	cgaaaaaatg	aagttcgcta	ccgctttcat	300
tggcctcggt	gcctctgcta	cctatgctgc	tgtctccacc	gtcacctttg	ttactctoga	360

tgacaaggag	cgcaccatca	tcttcacccc	tgacctggct	tcgagggacc	gagtcggtca	420
ctgtcagcag	tgctaaggaa	gttactgtcg	atttcacctga	caagtacatc	ggtaactttct	480
acgctgtcca	gaagggccat	gaggacaagc	ccggtatgct	cgggtgaggtc	accttcggtg	540
gctggaacgg	caagactact	tcgacgtctc	tgcta			575

<210> 664
 <211> 603
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = A,T,C or G

<400> 664						
caaggctctc	cgtgtgtgga	tgcaagatca	tgctttctct	caacgactgt	tggtcgggtca	60
tgatacggcc	atctcggcgc	tgacatggca	tcctaacggg	ctttacgtgt	tttcggcctc	120
ggatgagacc	gacaagtcaa	tccgtatgtg	gtctgtgttg	agcggctctt	gcgtgcgtgt	180
ctttacaggt	cataacgact	acatcagcgc	catggaatgc	gcgccaaatg	gcaagatcct	240
agcaagtgcc	gattgtgcag	gtaacatctt	cttttggggac	cttgctaaag	gaacacgcat	300
caagcgggtca	cgtgggtcatg	gtaaagggtg	tatctgggtcg	ctgagcttca	gtgttgaatc	360
caacgttctt	gcgtctgggtg	gtcaagatgg	cacagttcga	ctatgggatg	tcgaactgcc	420
cgctgatcca	caaaaggcca	gccagcanca	gactggaaat	gacgccgaca	acaacgggag	480
cggatggcac	gaatactgga	ggtccgttgg	cgaaggttct	cgtgttgag	ctgctacttc	540
agggcaaagt	ggaagcagtg	gtacaaccgg	aacacntaag	aaaaagaaca	aggaggtatg	600
ata						603

<210> 665
 <211> 649
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 665						
gcggaaccaa	ggggtgatcg	gatcggcgga	aatgaaggcc	tgccggcagag	tgccgggcctt	60
ctgtttttgag	gattataatc	agagtatat	gaaagttttcg	cgatcttttc	gtataattgt	120
tttaggcata	gtgcaatcga	taagcttggc	tcgaggtcga	cggatccccg	cggcccagcc	180
cacggccggg	gtggccgggg	caccagcgc	ttcgagcagg	ccgtcatagc	gcccgcgcgc	240
cagcacggtg	ccctgcgcgc	ccagccggtc	ggtgatgaat	tcgaacgcgg	tgtggcgata	300
gtaatccagc	ccgcgcacca	gcgcggcg	gcgcacccaa	gcaacgcgg	cggcatcgag	360
gccggccgtc	accttgccaa	agaaatcctg	cgccatcatca	gtaagatatt	cgtaaatctg	420
gggcgcagtc	tgagtaagt	ccttgtcgcg	cgggtccttg	gaatcgagaa	tccggagcgg	480
gtttttctca	agccgctcct	tcgattcgtc	ggaaagatct	gcttcataac	gccggaaata	540
acggatnang	gcctcacgcc	aggcttcg	gctcggcgca	tcgccaagg	tattgaggtt	600
gagcgtcacg	ccatcggcaa	tgccanttc	gcgcancaac	tgatcgggt		649

<210> 666
 <211> 594
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

```

<400> 666
ctctgatttc accaccgagg gcaatttgac tggaccttct caatacgatc taattcccaa      60
gggcgcacca tcagtcggaa gtgatccaaa ggatagccaa atctgggtact acaatggcac      120
tcctgctgcg tgcacatttg ttgctctcga ctatgttctc ccccgatacg ccaacttttag      180
cgttcctgac cttgtcgtga ctggctcctaa ctatggcacc aacttgggcy gtttcgtatg      240
gactctatcc ggtactgctg gtgctgcata cgccgctaca aaccgtggaa ttcccgcac      300
tgccatatca gcgagcaacc aggaagtccc ctacttcgaa ctgacaaacc gcaccaaccc      360
agctacgtgg gctgcccagg cctctgtaaa attcgtcgag aactttatct cgacagctgg      420
caagaacggt ccccttttgc ccatcggtta cggcgctcaat gtcaatcttc ccgtgttgac      480
gaagaaagat cagcaccgag aattcgtgca gacgagggtc acgggcaatg cgcacgttaa      540
cgaancggtg cttgatccga anaagggaac gtttacgtgg gccaacatca agcc      594

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<210> 667
<211> 837
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(837)
<223> n = A,T,C or G

```

```

<400> 667
ccgcaggaa tttttttttt ttttttttgt ggaaaccatt gtgaatttct caaaagcaca      60
gtgaccatcc tccgctaccc actgcacttg ggtataaagc gatcatcaag aaacggttcc      120
acgtcctcat gtccagccga cccgttgagg ccagcatgga cactcgtgta aaggctttct      180
cagctttcca cccatgcagt gctttttttt ccttcctgcc tccagacgac tctttggtac      240
aaggcgcgta acggaaaaaac aaaagagaaa tgatgtgcca tgcaagatat ccggagaccc      300
caaacgcccc tattntgggt gttccatctt ctatctgcaa agattttttg gtaagtgttc      360
gcaacgtcgg ctgttctatc cgtccatgtc gatgttggtt tttgcagatc cgagatggcc      420
accatgagat gaaccgtaag agtcatgagt gcccaaggaa ataaaccgcc gcgaggcggt      480
tacttccttc ggaaagagca gccctcagtc agacgagcct taccaccggt aggctggcag      540
aggacagtgg tgcacccctg gcagatgaca acggtctggg cgtgagagaa gacggtggtg      600
atggtgaagc aaccggggca cttgacgtcc atgaagaagg atcgaggggc gggcacaagg      660
gtcttgagct tgtgcttctt ggccctcgcc gccgggggag ggttcagaag atcaacggcg      720
agaaccatct tgtctgattt tctcgaaaat ttcttgctcg tgacttgcca gaatgggaaa      780
gcttgacgaa atccggcaac agatttgagg ctcgcaagggt ggggtgggagg aggtaaag      837

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<210> 668
<211> 360
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

```

```

<400> 668
gcgagactaa ccccgacttc gatacacaag tgcatacgcc cgaggtgttc ttgttcgatt      60
acgggtgctg agtcatatgg ggaatgaccg aggtcaaga aggtcgggtt cctcaaagag      120
attgctaaat tcgaaactga gaaagcttgc gcctgacgat gtcgagacag agctatttaa      180
cttctattat accaaggact accaggcccc catctacaat gatttcatta ctcttcgcga      240
caagaaacaa ctacatgaca aaactggcaa tttctcatgc tttnngcgag ancgtcaaga      300
cttctctttt cgaggaattg attgcatcaa cagtcgatac atgcaaagac atccccccgc      360

```

```

<210> 669
<211> 1068
<212> DNA

```


<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1068)

<223> n = A,T,C or G

<400> 669

ttcggttcgg	ggaaatctac	ctcgtcggac	aatggtagta	aagacgagat	agtcctcctc	60
cctgtccagt	ccaaagccat	ccttcgtgtc	acagaaatcg	agacaaagg	acacgaccca	120
gaaggaaacc	aagtccctgt	ccaagatgca	tccaccacct	tcgaccttcc	agataaccac	180
cccaacaaga	atgctgtcga	gatattatgg	cttcctcgtg	gatcacacag	ctccgacgac	240
acaggcgaga	aagtgcgtcg	tgcgcttaat	aatgaaaagg	acatgaccat	cataggctgc	300
tgtaaacaat	cccccaaagc	tatcttctgg	tctctacttc	ttttcctcac	tgntgtcatg	360
gaggggtacg	acaagagtct	tggtgtcggc	tttgttgctt	tccctgcctt	tcgagaacgc	420
tatggcgagt	tggttgagac	gccaacgggg	ccaatctacg	agatctcacc	gctttggcag	480
acagcattgc	aagtatctgc	cattgctttg	tgaaagtcac	ttggctctgt	gttgcattgga	540
tnggatcaca	tcacagtant	tgggtacaag	aagatgatgc	ttatcagtct	tgcttgggat	600
ggtgtattgg	ccgctttttc	cggttttctt	tgcacacaac	attgctgtac	tggttgcttc	660
tcaggctctt	tgtggtatct	ctnggggtgt	cattcaaaca	ctggcagcca	catatgctgc	720
cgaggttgta	ccatcagcca	tccgtgcctg	tcttctcagc	aatgtcaaca	tgtgtnggg	780
catcggncaa	ctgcttggtg	ctgggtgtct	gcatccctc	gtccacaacg	attctgagtg	840
gtcctaccgt	ttacccttcg	cccttnantg	ggcctttgcc	atccctcttc	ttattgcata	900
atgtttgctc	ctganagtcc	ttgngggctt	atccccngga	acgtaagggt	gangccanac	960
atctnttcag	cgtctcacca	agcaatccca	gnttgacatt	gatgatacca	ttgntggcat	1020
gggaacacac	caaccgtntc	naacgtaanc	ttnacttccg	gggggtca		1068

<210> 670

<211> 545

<212> DNA

<213> Fusarium venenatum

<400> 670

tcacaaacct	ctcaacgacc	gaccttgaag	agacgagccg	cagccatgtc	gtcgaccaag	60
aagccctccg	gcaagactca	gcgctccgcc	attgcggatg	tcgtcgcccc	cgagtacacc	120
atccacatgc	acaagcgact	ccatggtggt	tccttcaaga	agagggctcc	caaggccatc	180
aaggagatca	aggcctttgc	ctacaagtct	atgggtacca	ccgatgtccg	catcgaccct	240
cagctcaaca	agaaggctctg	ggagcagggt	gtcaagggtg	tcgactaccg	aatccgcgtg	300
cgaatttccc	gacgacgaaa	cgacgaggag	ggtgccaaag	agaagctgta	cagctacgtc	360
caggccgtga	acgtcaagga	ccccaaaggc	ctccccacgg	ttgttggtga	ggaataaata	420
taaaaatttt	ctcttgggac	aaggttctag	ggtggcatgg	catttgaggt	tgcatcggc	480
attctggctt	tcgacgtgga	aaatacacag	agggaaaaaa	tgtgatcaaa	gcttgaagtc	540
aaact						545

<210> 671

<211> 695

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(695)

<223> n = A,T,C or G

<400> 671

caaattgaga	atttctcgat	cgccatccaa	ctaaccgccc	aaacaccaca	gccaagatga	60
cgaagggtac	ctccagcttc	ggtaagcgtc	acaacaagac	gcacaccctg	tgccgacgat	120
gcggtcgccg	ctctcttcac	gtccagaagc	atgagtgtc	ttcttgcggt	tacctgctg	180
ccaagatccg	caagtacaac	tgggtccgaga	aggctaagcg	aagaaagacc	gtcggtagcg	240
gccgcactcg	ctacctcaag	gatgtgtccc	gacgattcaa	gaacggtttc	cagactggca	300

cacccaaggg	tgcccgtggc	gctactgccg	agaaggccta	aacggggact	gcatcccttc	360
tgatcccttc	caccacctct	ccggccctat	ccctcttcaa	ccacggacgt	tcgaaacacc	420
cattctttcg	agcacgcgca	tatcaacaat	aacggttctc	tcataacatg	aactgagacc	480
gcaggggaat	ctggttggaa	ctggagtaag	gtggtggctg	gggcggttgt	gtttgttggt	540
tcgtggatga	aggacctcta	aagggacggg	ttggagcatg	ggcacggtgt	tttacatggt	600
tgagcaagga	agtaaaaaaa	agaaccctt	tgctcttctg	agattcnata	gggtttcggt	660
tacgaggttc	tgaaatggca	tcttgattct	gcatg			695

<210> 672
 <211> 1014
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1014)
 <223> n = A,T,C or G

<400> 672						
aacatcatca	acaactcgccc	ttcttttccc	ccttccatcg	ccctctctcc	tccagccgcc	60
gaaatgttct	cgcgacaggt	catccgcgcc	gcccagatcg	ccgctcccca	gcgagccctc	120
gcccctccgag	ccgcccccg	ccgatccttc	gccgcgctg	ctcagtccga	tgtcaagtct	180
ccggtttccg	tcttcggcgt	tgatggcacc	tatgcctctg	ctctgtacac	tgccgcgctc	240
aagacttcca	gcgtcgacgc	cgcttcgat	gcccctcatca	agctcggtgc	tctcatcgag	300
aaggaccccc	agctcgtctc	cgctctgagg	acccctaccc	tcgccgatgc	cgacaagaag	360
gccattgtcg	atgagcttgt	caagcaaatc	aacaccaagg	acgagaccgt	caagaacttc	420
ctcgccaccc	tcgccgagaa	caaccgactt	ggtctcatcc	ccggtgttgt	cgacaagttc	480
tccaccatca	tctccgcgc	ccgtggtgag	gtcganctca	ctgttaccag	cgctcagcct	540
ctcgacaagc	gaacactcaa	ccgacttgag	actgntgtcg	ccaagtcctn	ttacgtcggg	600
cagggcaaag	aactcaaggt	caccaacgag	gttaaccccc	atatcgttgg	tggaactcgtc	660
gtcgagggtcg	gcgaccgaac	catcgacctc	agcgtctctt	cccgcatcgc	caagatgaac	720
aagctcctca	cggacactct	gtaaaaaacc	acccatagta	taaattctat	ttagtgtctc	780
ctttgcgtcg	tctcgtggag	tttttttctc	atcaccacgc	aaaaaaacgg	tatacccccc	840
tcctatgagt	gtgggtttcc	caaggggttt	ttctcgtoce	ccttggtattg	ttacaaccct	900
cccgaataca	aacggttctg	tcacccctgg	ctaggggaga	agaaagggga	gagtgctcgat	960
ggaaagaata	gtgtaggagg	atttgaactg	ggtacgcaat	aaatgcagtc	cccc	1014

<210> 673
 <211> 523
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(523)
 <223> n = A,T,C or G

<400> 673						
caggcgggct	gcatcaacct	ccactggccc	ctngaactcc	acttcagccg	ccggtcatgt	60
ccatgtccct	nattttgtcg	ctccgtcatc	ctaccttoga	cgcaggactt	nnattcggag	120
cccaatggca	cctaccgagc	cgaaaccttt	gagtcctntg	gacananatc	agttgcaggg	180
tctgaatgct	attcgcgatt	tcctcaaagn	gcgcactagc	tacgatgttc	tgccactctc	240
gttccgactc	atcgctctcg	ataacgaact	cctcataaaa	aaagcgatca	acataactaac	300
acagaactcg	atagtatcgg	ctcctntatg	gaactccaaa	acctccagat	tcgccggnat	360
tnntacgagc	accgatttca	tcaatgttat	ccagtactat	tgccagtttc	ctgacgagtt	420
ccataaaactc	gatcaattcc	ggntaaagta	gtttaaaaaa	tattgaaaag	tcgattggcg	480
cganacccat	cgagacagtt	tggggtnatt	ctttnaaacc	gtt		523

<210> 674
 <211> 729

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 674
ccacgcctca cgacccgaca tcgacaatcg gagcacggta agcagacaaa atgacgatcc 60
ggtacaacca gaagctcgtc agtaaccatt tccgcaagga ttggcagcgc cgggttaaaa 120
cccacttcga ccaggccggc aagaagtcca gaagacgtgt cgctcgcaag gccaaaggctg 180
ctgctcttgc tccccgtcct gtcgacaagc tccgacccgt tgtccgatgc cctaccatca 240
agtacaaccg tcgtgtccgc tccggccgtg gtttcaccct ggctgagctc aaggaggccg 300
gtatcccaa ggctttcgct cccaccatcg gcattgccgt cgacttccgc cgccagaacc 360
ttagcgagga gtcccttgcc gccaacgtcg cccgctcaag gcttaccagg agcgactgat 420
cctcctcccc cgccgatcta acgcccctcaa gaagggtgac accaaggccg acgccttcgt 480
cgagaagatc tctcacgtcg ccgcccgttc ctatcgccct accgatatcg ccgtcaagga 540
gatctcaaga gcgacatgcc ttcaacatcg aggctgggct taccgaactc ttctgtcgt 600
tcgtgccaac gcccgatagc anggtggccg gcagaagcgt attccgtgat gctgccgagg 660
ctgagactgc caagaaataa acttgcnaaa angggaacaa ggggttgang ggtttgctnt 720
ttattgtca 729

<210> 675
<211> 574
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 675
ttttctccca tcacagaaac cgcaatcatg ggtatttcgc gtgactctcg acacaagcgc 60
tccgcctccg gtgccaaagc tgcctactac agtgcgtaat aattccgaaa gcccgatga 120
tcctttggac atacgttctg acctttcaca acagggaaga agcgcgcttt cgaggctggt 180
cgccagggtg ccaacacccg tattggcccc aagcgcaccc acaccgtccg aacccgagg 240
ggtaaccaca agtaccgtgc cctccgtctc gactccggta acttcgcctg gggttccgaa 300
ggcctgaccc gcaagaccgt gtcattgccg tcgcctacca cccttccaac aacgaattgg 360
tccgaacaa accctcacca agancgccgt cgtccagggt gatgccgctc ccttccgaca 420
gtggtaaca ccactacgg tcaggctctt ggnccgaagac ccagaaggcc aggccgcaa 480
ggaaggcaag acgaagaaga agtcnagaaa tccaacgcgg ttgaaaaaaa cagntgctcg 540
catgtctgcc cgcngcaagg tcaaacgcc atca 574

<210> 676
<211> 616
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 676
gtcggtttta tgccccgtgg ttcttcggtc cgtgacgang gatgctgctt tcgaggatat 60
gttccgtaac ctctgggctg acaatgccga tgttgtctcc aactcctact ctggcactgg 120
cgccatgaag acagatgtca cccgtacagg aaacagaaca aaggctcggg ctcttcaaga 180
tgctcgtatt ggtgtcacac gttacttccg taacaacttc ttcgacggcc ctcgtcagga 240

ttcttttgat	ctcttccttg	gaacctaccg	accaggctct	gccaacatcg	gtactaccct	300
ggctctttact	gatcgctcgtc	cgatcttgat	ccagtctatt	ccctacattc	tcgccttcag	360
tgtcttatta	ttctcactgg	cctgttcact	cgctcgtcac	ctgatgcgag	cgccttacc	420
ctccgtatct	tccttttctt	ctggatggcc	atcgctgcct	ggctcttcta	ctttatctgg	480
aaccacggca	tgctttacgt	caactggccc	cgctcaacc	ccaaggcatt	tgccgttgaa	540
gggctacaac	gagcacttcg	ccaaaggcac	gcaaaggact	ctgtcattgg	nacatatgtt	600
ggcgaaagca	cganaa					616

<210> 677
 <211> 599
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(599)
 <223> n = A,T,C or G

<400> 677	
cggacgacca	aatcttgacg aagcgaccca aaacccccag ctacggggcat taatcgaaac 60
aaggacaacg	agcgttcgga tcgcgaatcc ttaattcatc aaattcatca caattggcga 120
ctaagcgcaa	actcgattat tcttcatcat catgtctttc cgaggagggt cgcgaggacg 180
cggcggcggt	ggatttgag gtggccgtgg cgggtggccgc ggtgggttcc agcagcgaga 240
catgggccct	cctgcccaga tccttgaaat gggcaagttc atgcacgcct gtgagggcga 300
gatggtctgc	gagtccatca accccaaggt cccccacttc aacgcccaga tcttcctcga 360
gaacaagacg	gccgtcggca aggtcgacga ggtccttggc cccatcaaac aggtcttctt 420
caccatcaag	cccaacgagg gcatccaggc cacctctttc aaggagggcg acaagttcta 480
cattggctcc	gagaaaactcc tgcccctcga caagttcctt cccaagccta agcccccgcc 540
tggntgctcc	caaacccaag cccctggcg gnggtcgtgg cggtncccgt ggtggtcgc 599

<210> 678
 <211> 639
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 678	
gcccggcaca	ctanaagaga cccttcgcga tggacttcgt cgcgcagacc tactcattac 60
tactggcggg	gtgtccatgg gtgaattgga tcttctcaag ccgacaatcg agcgttctct 120
gggtggcacg	atccactttg gtcgagtcgc catgaagcct ggaaagccga ctacctttgc 180
tacggtcctt	gtcaaggaca actcaggaca gcgggttacc aagactatat ttctactacc 240
tggtaacccg	gcatctgtc tagttacctt tcacctgttt gtgcttccgt cactccacaa 300
gctatctggg	gccttacta caggcctccc aagagttcca gccgttatct cgcacgattt 360
ccctctggac	cctaggcccg agtatcaccg tgctgtggtg acggttgga aggatggcct 420
ctttaacaac	aagcacaggc ggccaacgaa gttccaaggt gggcagtatg aggcagccaa 480
cgccttaatt	atctgccagt gggaanggta aactggaaaa aggtctcaaag gttgangtcc 540
tgctgttgaa	tgcccgtcca agctgcttaa gaaaccaat aataatcaag gncgaaaagg 600
cacaaactag	gtnttcagcg gtataacaac ttgcaaaat 639

<210> 679
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(631)
<223> n = A,T,C or G

<400> 679
gttatcggt gtgaaaaggc ctacaaaaac cagaacggcc tcaagtacca caagacgcac 60
ggatcatcaa ctnaacagct ccacgaaaac ggngatggca ctttctccat tgttnacccc 120
gaaacagggt cgccttatnc aggaaccctg ggtatggaaa aaganaagcc gttcagctgc 180
gacacatgcg gaaagcgcta taagaactta natgggttga aatatcacag ggcgcatctt 240
nttcggtgca atncggattt caagctccag gctcttgag cgggcatgaa cctgcgggga 300
ntagagang atcanatgat gcctttgggt gncggcaaca ctacaaaac gtggcaagct 360
ctttctccat attaagcggg ggcggttctga atttcanccc cagtttcaac atgatgctgg 420
tcttaattcg actcgggcn gaccgggana tanattctgc ttcattatct gcgncctttt 480
ccctgccatc cctgtgtagg catntgcttc agcctttgcc taaaaattat accgcttatg 540
gnggcttttg agacttnaat cangggggnc tcnattgatt caaaatcngn ggnacaaaac 600
tcgttttttg ggtnttnaaa ccaacccaaa a 631

<210> 680
<211> 678
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

<400> 680
ctgaaccagc gcaacgtctc ataatcaact tccctcttcc aacctctcgc tacgccaacc 60
tccttctttc gcatacaata tcccaacaac acggcacgaa acgacaacga cttcttgatc 120
tcgaaacctc ttctcgcca togtccattt ttgcgcttc ttcgattgat acccattgct 180
atcttctagc gtccgacag cttcacaaaa cacagccaaa atgcctgagc aggaagcccc 240
ctacgacccc tatatcccca gcggccaggc tggagcccag cagcagcagg gtgccggcgg 300
caatgctagg acgcaggcgc tgcaagctca aatcgacgac accgtgggtg tgatgcgtga 360
caatatcaac aaggtatctc aacgtggtga gcgactcgat gctcttcagg ataagaccga 420
caacttggct gtntnancac aaggtttccg ccgaggagcc aacanggtcc gaaagcagat 480
gtggtggaag gacatgaaga tgcncatgtg cctgantatt ggnatcanta ttctgntggc 540
atnatcattg tccctcttgt gnggttacc gntanagact aaaaaaantt tgggtacttn 600
gnnctcacna tgcacaccct ttggactgac gaatcataaa tcgaatattg ntgaccttcg 660
acctnggata tggacntt 678

<210> 681
<211> 603
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 681
tccacactna aaatgactcc ctactacaa gacgcaaaga tcaccttctt cggcgggtggc 60
aacatggccg ccgccattat tggcgggtctc ctgcgcaaga acaccaacaa gcaaaacatt 120
tatgtctctg aacctggga cgtcaaccgc aacaagatgg ccgacctcgg cgtccgcacc 180
accgcccaga acaaggaggc ctctgctgac gctgatgtta tcacctcgc tgtcaagcct 240
caggttgcca aggggtgtgt cgaagagctc agctcagctt ggtctggacg cgatagcctg 300
cctgttgctc tctctatcgc tgctggcatc acccttgcta gcattgcaca atggttcaag 360
ggcgatagtg ggaaggccct cacatcgtcc gtatcatgcc caatacacct gccctagtgc 420
gaaaaggcgc ttcaggcctg tatgctgccg aagatgttac tgggtgctgag aaagaattga 480
cttctgctct cttgggcagt gtcagtaagg ctactgaatg ggttgacaag gaagaacttc 540

tcgatgttgt caccggtatt tctggttctg gtccctgcata cttcttcgct tttgttgaac 600
atc 603

<210> 682
<211> 499
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 682
caagaaagct cctcaagttc gcaatgtcca agaccttgaa actatcgca agcgaatcca 60
ggagctcggg cccaagtggg tgcttgtcaa ggggtggcac agtcctatga aggaggacct 120
tactgtagca gagaccgagg atgagaggca atttgtcttt gatgtgcttg ttggaggaaa 180
cggagagccc tgagggtcaa nagtccgtac caagcaagct ccagtaccca tggtagaggg 240
tgctcttttg catctgctat tgcttcgaac ttggccaaag gaatcgatac gcctgctgct 300
gttcagtcag cgtgtcgata cattgaagct gcgattcnca ctgcgccang actgggcaaa 360
gggcatgggc ctctgaacca cttccattca acctacactc ttcccttcgc tcctggctac 420
tttatcgaat ggctccttga ncgcccgaag ttcttgattt ctggaaagaa tttgttttat 480
caccctttgt catggccat 499

<210> 683
<211> 634
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 683
agatcacagt cttttccac gtcattgtcg actctcccat caatcccgcg atcgattcaa 60
caatggccat gtccctcgcg cgggtggccc tcagggcacc gcaatcgcaa tcgaggcttg 120
ctgcgcgcgc cgccactatc acggctcgaa ccattgccgc ccacggacga cccttcagca 180
ccacgaaccg agctcttatc cctccggct tcggatctcc gattgttccc tcttactttt 240
ctaagcctcg gtcctcgcc aacacggta ttcgattcgt gcctcagcag acggcttgga 300
ttgttgagcg tatgggaaag tttaaccgta ttctcgaccc tggctcggct gtccttatgc 360
cctttatcga tcgaatcgca tacgtcaaga gtctcaagga aagtcgccat tgagattcct 420
agccagagtg ccatcactgc ggacaacgtt actttggaac ttgacgngt tttgttcacg 480
cgtgtctttg atgctataa aagcaagcta ttgggtcgag gatgccgaat atgctatttn 540
tnagcttggc cagacgacta tgcgatccga gancggcaac tggacccttg accatgtnct 600
caaggaacgg ctgggcttca aaacaacatt acaa 634

<210> 684
<211> 514
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 684
ntttgtccaa gactgtctca aggcattcct cccctcgta attcccatca ttganaaacg 60
aaaggacatg ccttacaccg aggcggaaaa agactggcag cagcttcgcc gnggcaagta 120

<222> (1)...(432)
 <223> n = A,T,C or G

<400> 687
 aaaacacccn aggaacnctc gccgcacaaa caacccttca cttatccacc tcnacacagc 60
 cgtnnaaaag gatggcctca acttctcgtc cggccaacna caactcatgg ctcttgcgag 120
 agctcttgtc cgaggtgccc agatcatcgt ctgtgacgaa gccacctcct cagtcgacat 180
 ggaaacagac gacaagatcc aggctaccat ggcgggtggc ttccgangca agacattatt 240
 gtgtattgct caccgattgc gcaccatcat tggctacgat cgcattctgtg tcttggtatgc 300
 gggacgtatc gctgaattgg atacgccatt gcagctttgg aaacanggaa gcatcttccg 360
 cagcatgtgt gaccgtagtg gtattagaat ggaagatatt cacngccnag ggaagaactc 420
 ggtagtgcca ta 432

<210> 688
 <211> 621
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 688
 tttcactctc acctcaacat caaaagcgat ctctttctct tcatcttcca cccaatctat 60
 ccttactcct tcatctcacc tcccacctga taccocctaa cttacccctc caaaacacac 120
 agccaaaatg acacaacgcc taaagctcac cagcgccaac ctctccacca ttgcttcgca 180
 gcaggagag caaagagtcc aggtcccatc ctacgaccgc aagtctctca aggagggcat 240
 cgtccacgtc ggagttggcg gtttccacag agctcacttg gctgtctacg tcgacaagct 300
 gcttgagaag caccgtgagc gcgattgggc catctgcggt atcggcctgc gtcccaacga 360
 tgctgccatg cgcgatgttc tcaacgcaca ggaccacctc tacaccgtaa ttgagcgatc 420
 ccnaaagggt agcttcgccg atgtcgtcgg cagcatcaac tccttncttt tcgccttgat 480
 gaccgtgagg ctggcattgc aaagatggnt catccgacac tcacattggt tttttactat 540
 tactgagagn ggntactact acaacgagaa caccatcaa ttggaagctg agcattctgg 600
 cattcagcac gacttcaaga a 621

<210> 689
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 689
 agggccgatat gactgaggct ggcctattgg gtgacacacc cgaccaccca gtcggttgacg 60
 tcctaggcta tggccacatg ggcgattcca acctgcattc caacattccc gtgcgcagat 120
 acgatcccgc cgtcgagaaa gccttgagc cttgggtata cgagtggatt cagaagcgca 180
 acggcagcat cagtgttgag catggcttgg gaatcgccaa gaagaattca tcggctacag 240
 ccgagacgac accactatcg gtgtgatgaa gcagatcaag aactatttga tcctaattggc 300
 atcatgaacc cctacaagta tatctgatac cctgtctct tggtttcgta tacgaatgcc 360
 agcatatata tatcttacc ccttgctctg cagcgtcatg cattgcatgc tgcttgctca 420
 actgattaca cccccgtttg anctatagta attgtggttg ttacggagcg aatcagaatg 480
 cgcagacttt tgaataatgg tgccaaaaca tgattnanca atgctgtgcc gtattgcact 540
 gtgggactag ganaatattg tntatcgatn ttaagccatg aaacntcntt g 591

<210> 690
 <211> 591

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 690
gcagggtgca aggtggcaga catgttacct agcacgtttg ttcctacttg cgggaggtgc 60
tctaccccag ccccgaggtct cgtctcagta cgaggatcat cagtgacaaa tgtctgccga 120
gactgtcacg gtcattttac ctttaaaatt cccgaagtca agttcttggt catcaccccg 180
gggtctcgcc ccccaccaac ctccggtcct cgtcggaaac aagagaagct tggctctgcat 240
gcgggagacc aactgcccga caagggtaca tgctcgcaact accgaaagtc ataccgatgg 300
tttcgcttct catgctgcag ccgcgtacac ccctgcgaca agtgccatga caaggcagga 360
agaccatata aacgaatggg ccaaccgcat catctgcggc tgggtgtagcc cgcgagcaga 420
attactcgtc ggctgtcgag gcgtgtagat tctgcggccg ctacctgata ggtaaaaagg 480
gaanggggtt tctgggaagg tggaaaggga acgatgagac aggacgacga ttgagtcgga 540
aggatcccag aaaagacaag aggattggta ctttggcggc caaagaaaag a 591

<210> 691
<211> 630
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 691
ctctgttgct gaacaatttg gtaacttgag agatactttg ggttcagtat tgggcatctt 60
cactttgatg cgatggatcc gaactttgat cgctaagatc actggtcgcc cgccgcctgc 120
cgatgcgact gctctcacac cggctgcctt tgctcgtttc gaaggccgca gtattggtcc 180
cgatggtaac cctcttcctg ccaaggccag caggaagcct ctcatcttct ttgttctggc 240
cgcgttcggg attccttatt tcatgtccaa gatgattaga tcaacttgctg cttcacaaga 300
acaggagcag aggcgtctcc aagcacaggc cattgaatca cagcagcccg tcgacccttc 360
caagctcgag ttctgccgac ttaccttcga ctctctgcct cagcccaaca ccggcatgga 420
acttgagggt cgcaaggggc acctcgtcgc tgttctcaac aagaatgacc catccggtaa 480
ccccagcgag tgggtggcaat gcagggctcg cgatggccgn caagggtatc tacccttact 540
atctcgaggg catcaagcgt ctgcgcaaga ncccaagaaa cttaaggggc gccctagcga 600
gagtangccg gacaaacttn attggcaagg 630

<210> 692
<211> 523
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 692
cgcccgacca tcttctcgtc ttcattctct ccaagacgtc ccacacataa ccttcaagat 60
gaccaagcga acaaagaagg tcggtgttac cggtaaatac ggnaccggtt acggtgcttc 120
cctgcgaaag caggtcaaga agatggaaat caccagcac gccaaagtaca cttgcacctt 180
ctgcggaaag actaccgtca agcgccaggc taccggatc tgggactgca agtcttgcaa 240
gcgcaccgtc gctgggtggtg cttacgtcgt tgccaccccc gctgccgctg ccatgcgatc 300
aactctgcga cgactccgag agattgctga gggttaaggg tggactttag cgaaacggga 360

aaatggcttt	gcttttcggt	atggtgtacg	gggggatatg	atttcgtgcc	tacattacga	420
ggtgacgac	tggacgtcga	cacccgaact	tcggtcacat	agaagccgat	cgaatagcaa	480
taaacaaaaa	gaattgcatg	gtttcggatc	caaaaanaaaa	aaa		523

<210> 693
 <211> 948
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(948)
 <223> n = A,T,C or G

<400> 693						
ttgnnacgac	tttcatcaat	atcttttgacc	acttcgcac	atttcgtaat	cgactaacgg	60
tccagaaatc	attcgaatcc	caacaaattc	caggcgccat	gcgattctct	actgtcaccg	120
cctgtctgac	tgctgtttg	gcgccagcgg	cggcttttag	tgttctcaat	ggcaaggctt	180
ccgaacttac	cattagcgac	gaccttaaga	tttctggtga	ttctcctctt	gagttctgcc	240
ccggagacca	cgcagccgat	cttattaaga	ttgaccgtgt	tgatttgtct	cccaaccctc	300
ccaaggctgg	ccaggaactc	ttgattaagg	ccaagggatc	agttaaacag	aagatcgaag	360
agggcgctta	tgctcctctg	accgtcaagt	atggcctcat	ccgcctcatc	agcaccaagg	420
ccgatctctg	cgagcagatt	ggcaatgtcn	acctcaagtg	tccccgtcna	aaaagggcga	480
agtcgaggtt	attaagagcg	tanacctttc	tgctgagatt	tcactctggc	aagtacaccg	540
tgctggccga	tgttttcact	ggcgatgatg	tacagattac	attgtttgac	ggcaccctgc	600
accttttttt	tgtagcagca	agggnttttt	ttgggcagcg	atctgtgatt	ggaattatgg	660
cgcacacaac	atacgcatga	tggcatgact	tacagctggg	cacggctctaa	tggattttctt	720
tgctgacttt	ggtttttggg	gaatttatag	ctcaagtaga	gcataattgca	gcggcttttag	780
aatctattta	gcatacttga	caaacgagtc	catcgcattg	tactccacct	cgttccactg	840
tatacgcatc	gccctgcagt	cctgcacaac	gttaccacgt	cnataaaaaca	caatactggc	900
tcgcgagtc	ttcggccaga	ttgatcgccn	cccntatgct	attcgctt		948

<210> 694
 <211> 808
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(808)
 <223> n = A,T,C or G

<400> 694						
aggctatgtg	ggacaagctc	agccttggtc	gagtgtacac	aaagcccaag	ggcaagcagc	60
cagattactc	tcaacctgtc	gtgctccgag	cctcgcgctg	caccgttgaa	gattttctgta	120
acgccattca	tcgaagtatc	acggaggttt	tcaagacagc	catcgtttac	ggcaagtctg	180
tcaagcatca	gcctcagcgc	gttggtctgg	cccatgaatt	atgtgacgag	gatgttgtaa	240
caattgtcaa	gcgatgaaag	gataacttgc	ggagattgaa	ggggacgac	ccacggcaac	300
gcgagaagct	tggtgaacta	gattgcttgg	actgccgctt	tcgcatcagg	gtgtcaccac	360
aagccatggc	acagtcgacc	accctctagt	acgcgactct	ggttttgctc	cgagtggctc	420
aagaaaaatag	agggagaaac	ccgcgcggac	cgggggggatg	tcgaatgcaa	tagaagtcaa	480
taaggacagg	gctgacactg	gatgcacggg	tacgagcacg	tntggctggc	aacaagaatc	540
gacctgctca	ancaggcacg	ataatgatcg	gcgcaagttt	ncggggggagt	taaaaaatggg	600
gtgcctactn	acaaacaggc	tgatgggtta	anaaaagggg	gcaaaatatt	aggtcaacgg	660
gcagacgaca	atgancaagg	gacagaccn	atttaaaaga	caatggaaag	caagacgggt	720
acttcggccg	gaccggaatt	acacnaaatt	ttntnccggg	tggcnaccgg	atgaacaaaa	780
agcaccnctg	tggtggaatt	taacccca				808

<210> 695
 <211> 895

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(895)
<223> n = A,T,C or G

<400> 695
agacattctt ctttttcaac cttcttcctt tattgctggtg gaacatctcg tttttctctc 60
ctctctgcgt atccccgagc gctcttatcg atcgtctcct tctccccctc cacttattcg 120
aatttttagag agccaaaact cgccgcagcg tagccccgcc gtcggaaacc caagatacgc 180
ttttcaggac aagagtcctt accttatctt ctgcaacacg ataataaaaa acaactccaa 240
aaaccgcaaa aatggttaag gaaaccaagt actatgacac actgggtggtc gcccctactg 300
ccactgagca ggagctgaag aagcctacaa ggtcggagcc ctcaagtacc accctgacaa 360
gaacgcacac aaccccgatg ccgaggaaaa gttcaaggag gtctcgcatg cctacgaaat 420
cctctccgat ccccagaagc gacaagttaa cgatcagtat ggtgaggccg gcctccaagg 480
cggtgccgga agtggtggca tggccgccga agacttgttt gctcagttct tcggaagtgg 540
tggtttcggt ggcattggcg gcatgtttgg cgggtggcgg atnaaccgcg gccccccaa 600
ggcccgaaac attcaccaca cccacaaggt ctccctggaa gatatctacc gngggaagat 660
ctntaagctc gctnttcaac ggcaatcatc tgccccaggt gcnaagcctg ggtggaaagg 720
anggcccttg naaacnctca ctggctgnga tggccacggg atgaaaacna tgatgcgcag 780
atgggtccat gaccancctt ccaaactggt gccccgactg aacgggaggg gaaatatnaa 840
gaaaagacng ttcaanagtg tacggaaaaa accctgncac cgaggttttc cctca 895

<210> 696
<211> 583
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 696
gatgcggcct ttctcctttg catccatccc tcgcgctact cgcattacca ctgcaatcaa 60
cccgtttttt actcaacctc gcaacttctc ctttacacaa gcaatcatgg gtgtcgaaaa 120
gactatcatc acggagggtg acggcccttc ccccaagggt ggccagacgg tcagcatgga 180
gtacactggc tggctccagg agaacggcgg caagggaagc cagttcgata gctctgtcgg 240
acgtggtgac ttcgatgtca agattggcgt cggtcagggt atcaagggtt gggacgaggg 300
tggtgtccag atgaagcttg gcgagaaggc tactcttttt atcaccctg actacggcta 360
cgggtgctgc ggcttccccg gtgccatccc tcccactcc actctcatct tcgatgttga 420
gctcaagaaa atccgataaa tgtgctcttt aactcccgtc acctttcgat cgatctcgga 480
gcatccaggc cctgacgagc ccgttataag ctagcaatgt tcaacaaaac cttataaaaa 540
tcaaccgggn gttcattata cccctacata catgcagcac tta 583

<210> 697
<211> 622
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 697
ctcttcacct cttactccct caactctttt cttccccctc cccaccaatc atccctacgg 60
catccgaagc tgtctgctat attccctccc ccttcgcatt cgcgccgcc acattatcac 120

<220>
 <221> misc_feature
 <222> (1)...(1034)
 <223> n = A,T,C or G

<400> 700
 ggtgctgatg tcgatgaggt cgccaaggcc gtcggtgttg acccccgtat tggtacaacag 60
 ttcttgatgg ctgggtatcgg ttctcggtggc agctgcttca agaaggatgt tctcaacctt 120
 gtctaccttg ccgagaccat gggctcttccc gaggtcgctg agtactggcg ccaggttgtc 180
 aagatgaacg agtacgcccc tgaccgtttc tccaacctcg gtcacaaagt gcctcaacaa 240
 cacgcttgtc ggtaagaagg tcactatcct tggctttgcc ttcaagaaga acaccttcga 300
 caccgctgag gctcccgtc ttgagatgat caagaccctc ctcgaggagc gtcctcgtga 360
 gatcgccgctc tttgacctct gctgtaacct tctggttatc aaggctgaga tcaaggagct 420
 tctcggtccc cttgctgagg gccacaacat caccgtccac ggcaatgcct acgacgctg 480
 tgagaagaat accgccatca tcactgctac tgagttcgac gaagttccgc aacaagcctc 540
 ctccccctcc tgctcctcaa cctaccgtca agcccaagac tatttggccg caagcctaac 600
 cccaagtctg acccccgtcc cttcaaggag ggtggcgagc ccaacgagct cctcgctctc 660
 cacaagcatc tcgtccagcg acccgacgtc acccccacg accctctcga gcgcttcaac 720
 attgagccca gctgtgagga cgactgcctt gactgcatcc aggagcgtga gagcaaggag 780
 agcggcttcg cactggtat gggaagcctc cgaggagtac aagcccaagg agcgtgttga 840
 ctgggtccgc atctctgaga gcatggccaa gcctcgctgg gtctttgatg gccngngtgt 900
 catcgattct cgggagatgg ttaanctggg cgtcccgctc nagaggtgtc ngctgtcagc 960
 accgnttcta gatggcctaa ttggatttaa gnnttatatt caacnggcga ccttttaaaa 1020
 ttttntttgn atgn 1034

<210> 701
 <211> 871
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(871)
 <223> n = A,T,C or G

<400> 701
 ctggtatgaa cctcgacccc tacgatcgca gttgaatccg aatacacact gcgcttcgcg 60
 actttcaagg tccgcggtc cagcaaacaa ccaactaacg ggacagcata atcgacaact 120
 gatcaccgtc acaatgggag acgcagtcac tgagggttcg aactggcgcc tcggttgaggt 180
 tggccgagtc gttgttatca acggcgacca ccccttcgct ggccacctgg ccacgatcgt 240
 cgagatcacg gaccacaagc gaattctcgt cgacggctct tccgcaagc ctagcctcgc 300
 cactccccga caagctgttc cctcaacaa ggttctctc tctctctct ctggtgaggg 360
 cctgaaccgt ggttccccga ctggtgtcgt ccgaaagctc tgggagaagt ccgagatcga 420
 ctccaagtgg gagcagacca actgggcca gaagcgggac cagatggagc gaangaaggc 480
 tcttaccgac ttcgagcgtt tccaggttct ccgactcaag aagcagcgac gattcgaaaa 540
 gcgcaaggct ctggccaang tcaaggcctc cgcataaatg ggttatattag ctggagtcac 600
 gggaggtgct tgaaagtcgg gtttaaatca agtggcacgg aacagggtac naaacacaat 660
 caccggttgt atagaggctg ctggattctc ttttcgttcc gttctggaag gctgtatgcc 720
 acatttcgtn tttttcaaga tgaacggcgt caatacgga attctgagat caactgaatt 780
 caaagcatga ggagcaccaa aaagaacatg gattcattgt gaagtgtagc caaaataaaa 840
 atgaaatgaa taccocctan naaaaaaaaa a 871

<210> 702
 <211> 846
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(846)

<223> n = A,T,C or G

<400> 702

cgcaccattg	aaantcgggtc	cttactttttg	tggtataaaa	ccagacatgt	gcgaagcaac	60
ttctcttttc	accacaaaa	ttctcgagca	cactagatgg	ttcgggtgaac	caccttgcg	120
aagaaaacag	ctatcaattg	cgagagaacc	agttgctaac	catgttgctt	gcaatgttac	180
cagccagggt	acctgtgcca	aaggcgcttc	cagcaatgct	ggangcggtg	ctgaacttgt	240
cgcaccgaga	gaagccaggg	tggtcatgat	tgtaagaaca	agggcgatga	caacgagagg	300
cagccatagg	aactgtagt	gcacgagagc	aagaataccc	atnagaaccc	acagcatagg	360
ctggatatac	agagcgagcc	acaaaaaccg	ctgtccgtan	ggttgatgg	cttggttcca	420
ggctcactgc	tctcaaacac	ccactgcgac	tcgcccact	gggcatcaac	ctcgttccac	480
naacgcagac	caacgagaca	acaaccagca	atgttcttga	tgtagtaaaa	gtcgccggcg	540
aagaaaaaaa	tggtaatgat	gaaaatcatg	atcatgcttt	gtatgatcca	caggccgaga	600
aagtagataa	ggacacttga	tattctgaag	ccgaggaaag	tgaggagcgt	aatgggatgc	660
gcgctgaggc	gccagctaag	agcgcccggc	gcggcgggct	gtggttgct	ggcatccatg	720
atagatggaa	taagttgcag	atgttcagga	attcgtcagg	gtatctcgat	ttctctccgt	780
ttcaagggaa	ccgtagtcgt	ggagaaaaat	tgccaaacta	gaaaaggagc	gttgtttcga	840
ttcttc						846

<210> 703

<211> 1149

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1149)

<223> n = A,T,C or G

<400> 703

catcaaaggg	gaaaacgtta	cctatcaact	ctccttecta	taaagctaac	tggtctctcc	60
tctgtttttg	taaaagattc	tgaaacctaa	tccaagttat	tgtagtacct	atagaacaaa	120
cactcccttt	ttccaatctc	attccttgct	tatccttggt	tagctttatt	tactattttt	180
cgacacaaa	accaacacaa	atagacatca	tggtcgaggc	tcagttgaac	gatttccctt	240
cgcttttctc	cctcaaagge	aaggctcgctg	tcgttacccg	tggtctctct	ggtctagggtc	300
ttcacgcagc	ttcggtcttc	ctacaagcag	gcgcatacaa	agtcttcatc	tcaccccgca	360
aggcctccgc	ctgtgaggaa	gcttgcaagg	ctctcaatgc	gcttcccaac	ctttcaccgc	420
gcgctatcgc	catctcagtc	cctgccgact	cctccaagtt	cgaaggcgta	nanagtctgc	480
tcgcgcagg	caagaagcac	actgatcgcg	tggtatctct	ctttgccaac	gctggcgcgca	540
catggggcga	gtcttttgat	acgccctga	ctctgccttt	gccaaggtca	tggtatctcaa	600
cgtaacggct	gttttcaaca	ccatccgtct	cttcaaccca	atgctcgaga	agagcgcatc	660
catccaggac	cccagccg	tcacatcac	agctagtgtt	gcaggactcg	ctgtcggcac	720
cattggaaag	cagggcactt	acggttactc	cgccagcaag	gctgccgtgc	tacatctcgg	780
acgcaacctg	gctatggagc	tggaaccccg	acacatcacc	gtcaactcca	tctgccctgg	840
tttcttcccc	agcaagatgt	ccaacggact	gctggagatg	tcgggtgggtg	ccgaccagtt	900
tgccgcttcc	aaccccatgc	gcagacttgg	tcagcctgag	gatattgctg	gtgtcggtgt	960
ttattttggct	agtcggggcc	ggatcgcatg	tcaacggcga	gacggttgct	attgatgggtg	1020
gtgccctgtg	gcaacgtgga	gagctcatga	ttgcggagaa	ggccaagcta	taagtgtttt	1080
cgcgcaacaa	tttattataa	aggcaaccac	taatttatag	catttgaatc	gaaatacaat	1140
atcatatgt						1149

<210> 704

<211> 742

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

```
<400> 704
ggtcgctccc atttccgata tccacggcgc ccctcataaa aatcatccaa aatggctgct      60
cttatcaagg ctgcgaacgc caagatccgg tccaaccggg tatctgacta catttgctcg      120
accactttct ggggccctgt ctccaacttt ggtatccctc tggctgcat catggacaca      180
cagaagagcc ccgagttgat ctcgggacag atgactgggt ctcttatcat ctatgccggg      240
acctttatgc gatactctct cgctgtcacc ccagaaact accttctctt cgctgtcac      300
ttogtcaacg ctggtgctca gtcacccaa ggataccgat acctgaacta ccactactgg      360
ggcggaaaagg agaacatgcc caaggagcag ctggtgcaag cggctgaagc tgccaagggc      420
aaggtagaga agccacggag aaagttcaga acgctgtcag taaataaaga agatgctaga      480
cagacggcca ctggggcgat cggtatatcg ggctgtaagc cgtccatata atgggancgc      540
cccccggttg ggggttcggga ttccgaaaat ttcatcanca cacaactacc gcaccatgac      600
tttgtncctt tacaataatt tgttcctcca tcgtctagaa ttggcactct gaaaccgggt      660
actgcagtac ttgtgccgga aaaagtgtcg gaaggatcaa attgganacc naatcatcca      720
aatggttaaa caaaatatnt ct                                         742
```

```
<210> 705
<211> 408
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G
```

```
<400> 705
cgaggatggc cctcanntgt ttcacgctga gcccagtggt accttctacc gctacgacgc      60
caaggccatc ggttntggct cagaagggtgc acaggctgag ctccagaacg aataccacaa      120
gtctttgact ctacagatg cagagactct tgttctcaaa acattgaagc aggtgatgga      180
gganaagttg gacgccaaga acgtacagtt ggctagcgta accaaggaga agggcttcag      240
aatatacaca gacgaggaga tggccgcagt cgtggagcgg ctgccagcca actaaggaga      300
tgttaccac gaatcaagag aaattacgaa tagacacaaa ggcacccaag ttgggggcat      360
taacggtatt aatacaatga tccgaaacat gtttgnagga aaaaaaaaaa      408
```

```
<210> 706
<211> 253
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G
```

```
<400> 706
tgacaagatc cccgttctta tctacgctgg tgatgctgac ttcactctga actggctcgg      60
aaaccaggcc tggaccgata agcttcagtg gtctggccag aaggacttca gccacgccga      120
cctcaagcct tttgagcacg ccggcaagga gtacggcaag gtcaagtcca gcggcaactt      180
tacctttatg cagatctacg gtgctggcca catggttccc atggaccagc ccgaggcttn      240
ttctgacttc ttc                                         253
```

```
<210> 707
<211> 535
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(535)
```

<223> n = A,T,C or G

<400> 707

caaaatggag	gcatcggctc	tcaaagcatg	ggagttggac	aacaatgtcc	agttagttga	60
ccccaaacgc	gacgctntct	acaacttcga	tgccgatgct	caaaagggtca	tcaataagga	120
acaaccgngg	aagcaagatc	ccagtcactt	caagcatgta	cnaataagtg	ccaccgccct	180
cataaaaatg	accatgcatg	cccgtccgg	cggcaatctc	gaggtcatgg	gcttaatgca	240
aggctacacc	caaggcgacn	ntttcatcgt	caccgacgca	ttccgacttn	ctgtcgaagg	300
aacagagact	cgagtcaacg	ccaagacga	agcgaacgaa	tntttggcga	atatntaacc	360
tatgccgacc	caagggccca	agaaaacgtn	ggggcttgta	ccacagcacc	cggctntggg	420
tgtggtgagt	gnatcacggg	acctgaacct	gcacacaatt	caggatcctt	tnttggtggg	480
ggancacccg	acgacattac	tnggnaagg	gaatnggcc	ttaaactccc	gcgat	535

<210> 708

<211> 385

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(385)

<223> n = A,T,C or G

<400> 708

agcnngactg	ctgctgcgga	aagcggcgac	atgttactga	gggccaat	cctccgccga	60
gcattgccta	atgtgcccac	atccggttat	tccgaagcga	ctcgcgcaat	cattcagact	120
tcagaacaaa	atacccatc	tgntctcggt	gaaggctatg	gtcttcgtga	atgtatgact	180
acggagggtg	tgattggcac	caaggcaagc	accaacaacg	tcatggaatg	tagggacgtg	240
cttggtatcg	aagctgcaag	aacaacaatc	gctgncgaaa	tggctctgtc	atgggtgata	300
tgaatattga	tccccgccac	atgcaacttc	ttggcgacgt	gatgacctac	aaggngagg	360
gtcttggtcat	cacacgtttc	gggtt				385

<210> 709

<211> 547

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(547)

<223> n = A,T,C or G

<400> 709

ccctctgttt	ctacactgtc	gcaacgcgtt	tgatgatttc	gtcgagacaa	tgacctcata	60
catggagaag	ctaccccgcg	gtggattagt	acacagcttt	gttggaagcg	catctcanat	120
gganaaactt	gtatccatgg	gtttcgaggt	gagcgtnaat	ggattcantt	tccagaccac	180
anaaaagtcta	gagatgggtat	ccaanattcc	tctcgatgcg	ctacaactcg	agacggatgc	240
cccgtggggg	gaactcaaga	gcacatctga	agtantcaaa	caatactgcg	ccaacgccag	300
gcctctgccc	gcgtcgaaga	agagggataa	gtgggatgtt	aagtgcattg	ttaaagagag	360
gaatgagagt	tgaccattg	agagggttgc	tctgattgtg	gcgggggttg	aggggtgtgc	420
tggtgatgaa	gttgctgaag	cggcgtggan	gaatagtgtg	aggatgtttg	gacttgnacg	480
acgatnaatg	ttcaagagta	aataatagtt	atacgaatga	agcgatcaan	tcgccaattt	540
tggtgag						547

<210> 710

<211> 533

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(533)
 <223> n = A,T,C or G

<400> 710
 naagaactaa cagccncacc cacncccatc tccagacact ttacatcatc agccgataac 60
 tactactaca tgatcaccat gatcgacaat gtcttccgat cagcagattg tcttcaccaa 120
 aaacgccccct gcggcgcttg gccctactc taaagccatc aaaaccccc acatgatcta 180
 ctgctctggg cagatccctc tcaactcctga gggcgagctt gttcagggtta tcaactgagca 240
 aaccgcgtcag gcttgcaaga acgtccaggc tgctcgtcag gaggctgggt cttctctttc 300
 caaggctcggc aaaactactg gcttcatttc tgacatggcc tactttgctg agaatcaaca 360
 caaaatacga gaagtgggtc tctcacaagc cagcccgtag ctgtgttgct gttaanactc 420
 tccccaanaa cgtcgatggt gaggtgagg tcattgctct tcttaaacc cgaaatgatt 480
 aaaagaaaag aagggtgatc atatagaacc caataaaaga aattatccca gtc 533

<210> 711
 <211> 505
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

<400> 711
 ctccacttgc tttgcatttc gccatttca atccatctac catcctcagc cggccgagct 60
 cctgttttcg tccatcgta atttctcttc tnnaaagtcg ctcttttctg ctctgttccc 120
 ttgancccgga cttggaccta agcatcgctg ttctcttca cgattctcat ctcgacaccg 180
 cctnttggn cccggaatct cgtttaatct ctctgtcgc gcgtcaacca cccgacacca 240
 ctcaaccggc cgatcacgat gaattctcan ggcaacaacg atgtctcccc cgaggctatg 300
 caatcgcnaa ttcagcaggc tcgtcgcgaa gccgaaactc tgaaggaccg aattaagagg 360
 aagaaggatg accttgccga cacaactctt cgcgcagtcg cgcaacaggc acatgagcct 420
 attcccaana ccagtcctg aaggctaagc gaacgctgaa gggtcacttg gccaaagattt 480
 acgctatgca ctgggtcaacc cgaca 505

<210> 712
 <211> 556
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(556)
 <223> n = A,T,C or G

<400> 712
 caaggactgc tgcacagtgc aaactgactg tatgggatta tgactttgctg gacaagcccc 60
 actttttggg tggagccgac atcaatctcg agtctctgga tccgttcaga ccgtctgaga 120
 ctaaatatat tctcgacggc aagtcgggaa gcgtgcgcat ccgacttcta ttccgacccg 180
 cctatgttca gcgagcacgt cagggcacat ccaccttttg cggcactttc tcgtcagctc 240
 ctgggcgtat cgtcactggt gtcgccggtg cacctatcaa gggcggtgcc gctgtggcgg 300
 gagttgttg ccacggcggt ggtaggggtg cttcattcct ccgtcgtggt atcttcaaca 360
 agaaggacaa caacaatgac gttatcgaa aagacaatga aagttgttga gcctcaagga 420
 ttaaacccta atggtaacgc ttgnggccaa tggcggactt cgnccgacgc ctgctattaa 480
 cgaggaagg acttcgaatg gnaagtcgaa cccctaccag caatggncat gttangtccn 540
 aaaagttttg gccagt 556

<210> 713
 <211> 643

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature

<222> (1)...(643)

<223> n = A,T,C or G

<400> 713
cactgacgac gacgatttta aacgaaacat accgagtacc taaactttct ctccctttatc 60
aaacccaaaa gccctggata ctgtataggt gacgctgtga accgtaaccc tcttttcagcc 120
tgacccact acccgacact gagtcgagac tcgctacgct attttcctgc ttcaacaaca 180
tcagacgaga ccgactctac aagaggaaca ggacgggttac tcctcatcct cattttatctt 240
aatctttccc ctcatcaacc ttagcgatca acaaccgtag acatgtgggg ttgggttcggt 300
ggcgccgcgg cccagaagcg caaggatact cccaagaatg cgatcctcgg tctgcgagcg 360
cagcttgata tgctgcagaa gcgcgagagg catctccaga atcagattga tgagcaggat 420
ggcatcgcg gcaagaacgt gagcacaac aagaatgcgg ncaaggcggn cttgaggcg 480
aagaagacac acgagcattc gctcgacca aaccgtttcgc aaattggtac tttggagcag 540
cagatcaacg ccacgagtc ggncaacatc aacaaggaga cattgggccg gcattgagcg 600
acgccaacgc ngnaatgaaa catatccaca aggttcntac ang 643

<210> 714
<211> 590
<212> DNA
<213> Fusarium venenatum

<400> 714
cctcccaggc cgtcatcacg ttaccgttgc agtcgccttt gccgagtctt gacagcctat 60
tcacaatgtc tcaccagaag aacgagaagg aagtcgggtga tgctcccaag agccaccgca 120
tccgaattac cctgaccagc cgaaaggctc agtctcttga gaaggtcagc gctgagctta 180
ttgagcgagc tcgcagcaag ggcctcacca ttaagggccc cgtgcgtctc cccaccaaga 240
acctcaagat caccaccgca aagaccctt gtggtgaagg ttccaagact tgggactctt 300
acgagctccg cgtccacaag cgcctcatcg acctccacgc cccaccgag gttgtcaagt 360
ccgtcatcgt caacatcgag gccggtgtcg aggttgaggt caccatcgct gcttaaatgt 420
ggtcacggtc ctaatcagtg gtaaaaaagc ccggtggtgt cctggcattg tgagggaagg 480
gaatgatggg aacatcagga tcttggcccc caacaagagt ggtggatata ggatactcag 540
tcatgattaa tgaatatctt gagaaccgcg tgttctacca ttcaaaactt 590

<210> 715
<211> 496
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 715
ngttgatgct tgtgagagaa tctactgcgg gtccttcgg tgtttgaagt tcaatccaac 60
atccctgatc gtgacaaagt tgcgaaactg ctcccgtgaa gcgtctcgaa gttcccaacc 120
ctttcaaagt actccgtcga tgagaagcgt cgtgttctcg accgtcttat ctggagttcc 180
agcttcgagt ctttcttgct taccaagtac ccaacgacaa gcgattcggc ctcgangggt 240
gcgaaancct tgttcccggg atgaangcct tatcgancgc agtgttgact aagggtgcaa 300
ggatatcgtc atcgggtatgc cccancgtgg gtcgtcctaa agtcctctcc aacgtcgtcc 360
cgaaaagcca acgagtcaat cctcaacgaa ttgcgctggg aaatcctggg ggtgaaggat 420
gaaggctcct gggtgacttc aagttaccaa ccccggtaat gaaactttcg agcggcccca 480
aagcccttct gggaaa

<210> 716

<211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 716
 ctgagtacta actgtaagag gtacctgact tccagggtcga ctctcacctt ttaccccatc 60
 ttcatgacaa ggtcccttta attaaccac atccactct catctttctt tgcccataat 120
 tctctaataa tgcttcatgc aaatctacca ttttcttaat ctaagtatct tgtttattga 180
 ttgaccatta gaaacaacag gacgacagtt agtcaaccag taattgcact tctactacct 240
 gcgccgcac ttgtatcata ccctcatcat ggcaactgat cgcgtaaaag cctccgtcct 300
 acacggtgag aaggacctgc gcttggaaga ccgtgaactc cccaagcctt ccaacaacga 360
 agttcaagtgc gccgtacaat ctactggtct ttgcggtcga gatcttctact actacaacca 420
 ctttcgcaat gccgatatta tctgtgcgaga gcctctcacc ctcggtcatg agtctgcagg 480
 aacagtcgta gctgttggtt cagaagtcac acacctcaag cccggtgacc atgttgccct 540
 tgaagttggt cttccttgcn aaacctgcga actctgtggc gaaggg 586

<210> 717
 <211> 559
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(559)
 <223> n = A,T,C or G

<400> 717
 ccaaaccat ccgacgcgga atcattccca attgcggcac caccagggaa cgaaatcatg 60
 tcgcacatcg actacgccct ttacnaaagc ccgtgggct atgccatctt caagggtggtg 120
 catcagcagg atgcggttg cttgaagtgc aaggataccc aggtctgtac taacgatctc 180
 gccaaagtgtg gcaagatggt tcaactgacc aacttcagcc ctttcagggg tcacgtcgag 240
 gctcttgana acatcaacct cgtcactgag ggtatcgtct ctgactacct caagtctgtc 300
 ctcgaaactca accttcccca gacgagcggg aagaaaccaa ggtcgtcctc ggtgtttccg 360
 anaanaacct cgctgggtgcg atcaangctn aattccccgg cctcgagtgc gaaaccgccg 420
 atcttttgac atngttggcg acgtgatcgc cggatccga ctgccccga taacttntcg 480
 gnggactcaa ataccngat gtcaaaaang ccggtctggg tatggtcacc cctactcccg 540
 gccaaaggnaa anttaaggt 559

<210> 718
 <211> 643
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 718
 gttccgaata atgggacgac caaaccacca agttgttctg ggccctgttg actgctctgt 60
 cgcccttggt gtttgcgata tggccagagc tgatgctccc gtcacttatg tctcggactc 120
 tttcactgat cttaccggat actcttctcg tgaagctgta ggccgaact gccgttctc 180
 acaagcacca cctggacaag agcgtcgtc cgataggaag ggcgcagaca aggtcgcctc 240
 gcatcgcatg cgtcaggccc tcatggctgg aatggagatt cagacttctg tcaccaacta 300
 caaaaaatac ggacagccat tcaacaatct cctgaccatc attccagtcc ctgacgacaa 360

agacattgtc	gacacgatag	agctgagcgc	gaggagttgc	tggctcgtcg	gacgggaaat	120
gtcggttgtc	gatttgcccg	cagagcacc	aagtatcagc	aagcagcacg	ccgtgatcca	180
gttccgctat	gttgagaaga	ggaatgagtt	tggcgataag	atcggcaagg	tcaagccgta	240
tcttatcgat	cttgagagtg	ccaatggaac	caagttgaat	gatggcaaga	ttgccgacag	300
tagatatctg	gagttgaggg	acaaggatat	gattcaattc	gggcacagca	ctcnagaata	360
tgtcgtcatg	cttgaccac	gggattgggc	atcaatccaa	aaataaccaa	aacgattggc	420
gggccaacct	accaggccta	cgcaagcaga	accttatnat	gggactgacc	acctgaagaa	480
gaatcgatgc	ccaaaagagc	ctttttggaa	tcgatattgg	cttttttnatt	acagacgcc	540
agagtgnctg	attatgtgac	ttaacttaag	antttggata	anggactcac	aanggaattt	600
cggcngantc	gtaaaaancc	agaacaataa	ag			632

<210> 722
 <211> 638
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(638)
 <223> n = A,T,C or G

<400> 722						
attcttcttc	tctctacaca	aaccaatcac	actaccgcaa	aaatggttca	gcaaatcccc	60
aaggccaacc	acattctcga	cctccttagc	ctcaagggca	aggttgtcgt	cgtcaccggc	120
gcttccggtc	cccagggcct	gggtatcgag	gccgcccag	gtgctgctga	gatgggtgcc	180
gacgtcgcca	tcacctacgc	ttcccgcgaag	gagggcgccg	acaagaacgt	cgaggagctc	240
gtcaaggagt	acggtgtcaa	ggccaaggcc	tacaagctca	acgctgccga	ctacaacgat	300
gttgagcgat	ttgttgggtga	ggttgtcaag	gactttggca	agattgacgg	tttcgtcgcc	360
aacgctgggtg	ctaccgccga	tgctgggtgtc	attgacggct	ccgctgccga	ctgggaccac	420
gttatccaga	tcgacctcaa	cggtagccgt	actgcgccaa	ggcgcgtcgt	gctntnttcc	480
gaaagcangg	ccacggttct	ttcgttatca	ccgcttccat	gttccggcac	atcgccaact	540
tncctnaaga	ncagacctnt	tacaacgtgg	ccaaggccgg	ctgnatccac	atggttcgnt	600
ttnttcgcca	acnagtgggc	gccacttttg	cccgggtt			638

<210> 723
 <211> 711
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 723						
tccgaaaaaac	tgccaccttc	caacatcgac	ccttccgacg	agcagcaaat	accgccacga	60
tgttgattcc	caaggccgac	cgcaagaaga	tccacgagta	cctcttccgt	gaggggtgtcc	120
tcgtcgccca	gaaggacttc	aaccttccca	agcatcccga	tatcgacacc	aagaacctgt	180
tcgttatcaa	ggctctgcag	tcgctcaact	ctcgcggtca	tgtaagact	cagttctctt	240
ggcaatacta	ctactacacc	ctgacccccg	agggtctcga	ctacctccgc	gagtggcttc	300
acctccccgc	tgagatcggt	cccgtacacc	acatcaagca	acaacgatcg	cacgtctctc	360
cccgtggcat	gctcggtgag	ggcgagcgcg	agcgacgacc	tttcggccgt	ggccgtgggtg	420
gtgaccgang	tgaccgtgag	gggtggatacc	gacnaangga	tgctggcgag	ggcaaggagg	480
gtgggtgctcc	cggcgaaagt	cgtcctcan	ttccgtgggtg	gatttggtccg	tggccgtgggt	540
gctgctcccc	ttcttaaagc	aaaccatttt	atcatctagg	gggtcataaa	tgaaaaacat	600
ggcgaaagg	atcggcattn	ctcataaaaa	tggagggcaa	tttctaccat	gggtttcgct	660
catgtgacaa	gggttgctg	ggggatccnt	ggaatttttaa	gggttttaaaa	c	711

<210> 724
 <211> 983

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(983)
<223> n = A,T,C or G

<400> 724
cgggtagttc cggggcggtt ttgtatctgt agctatttaa acggcgccat tgcccatctc 60
ctgtctctac atactccaaa ccatcccagc aagtttgata tcttgtcttc atcatgtcag 120
ccaaactcca cacogtgcct ttcctcatca atggcagcaa ccacatcagc gaaaacaccg 180
ctgatgtcgt tccccctca agcggngagg ttactcaccg ttacagcagc gccaatgtca 240
aggatgccaa cgctgcagta gatgctgcc aatgagcttt caagtcgtgg cgcaagacga 300
ggccctcgga gcgtcgtgat cgacgctcct caaggctgct gcaatcatgg aaaagcggca 360
agatgagcta cgcgagtacg ccatgacaga gtgcggcagt gatgctgcct gggccagctt 420
tgatatcaac actggcatta gccatatcaa ggagattgct ggtccgtgta agaacacttg 480
agggttcaat cccactggt tcggatccca acaacaaccg ctctcgtctt gagagaacca 540
tatggtgtcg ttgtaaccat tgccccctgg aatgcgcctt atatcctggg aacaagatcc 600
cggctctctc ctatcgctgc ttggaaacac cgggtgtttt aangntagcg agagntgcct 660
tcgaacattg tgggcaattg gcgatatttt agaagaagca agggttcccg atggcgttct 720
tnacggtatc tttcatgagc gagcaacgcc ggatntggca cgacagntnt tattgagcac 780
ccttcaagtc aagaaaaata actttactgg naggacttca agttggncng gttatcgga 840
agaatggtgg ggagaacctg gagectggta ttctaaanct tggnggnaag ggttctggga 900
attgttnggg aggaagccga ctttaacntt gccggtttta aaggggacgc ttnggngcct 960
ttaattaaat nttgggcaaa gtt 983

<210> 725
<211> 595
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 725
gctccatggt ggacaccggt tacagcttct gggatatcatg ctttgactta tggatcatctt 60
cttgagagc tcgttcgtcg agtttctggc aaatcgctgc gtgagtttgt cgccaccgag 120
atctcaggtc ctttgagcgc cgacttccag atcggcgctt cgaaggagac gttggaccgg 180
gttaccacca tcgtacctcc ggacgcttgc ggtatctcaa tcgattttga ggctgggtct 240
gtacaagcaa gaacattgct caaccgccc gtagatccca actgcgcaaa cagtgaaggc 300
tggaggaaac cagaaatagg ctctgccaac ggtcacggca actcacgacg gctcgcacgt 360
atcctgtctg ttgttacttt gggaggtgaa actggaggca agcgcactct gaangaagaa 420
acggtcaatt tgatctttga agaacagcaa tccgggactg acttggtttt gcaaagtgcct 480
ttcanaattg gaattgggtt cggattgacc catgtgtcgc actagactgg ctcccaaaaa 540
gcaaggttnc ttttgggggt ggctggggaa gttcttttat tgtcatggat cttga 595

<210> 726
<211> 578
<212> DNA
<213> Fusarium venenatum

<400> 726
ccttttcctt ctttcgcacc aattcaatcc agcgaaacta tagtcgctgt ctcccacgca 60
cgatcagact cgaagtcttg gttggcactt gcgacatctt cactgagaaa cgacctacct 120
cgatcaacag ccgcgaatcg atacactcta ttcaaaatga atgcgccaga gcttgagcag 180
accccttcg aggtgtcag tgtccacacc tcaaggatcc agcgaaaata ccaagctttg 240
ctagaccagt caacccttt cgttctctat agatgggtcg gcacagttgt ctgcctcgtg 300

ctttttcttcc	tgcgaatctt	ggttgcgag	ggctgggtaca	tcgttgctta	tgcgctcggc	360
atctaccttc	tgaatctgtt	tcttgctttc	ctgcagccca	aattcgatcc	ctccaatgaa	420
gaagccgaca	atgatattga	ggacggctct	gtaggcaccc	tgcttaccaa	gtccgacgaa	480
gagtcagcc	cttcattccg	cgacttcccg	agttcaagtt	ctgggtactgg	gccacccgag	540
ccattgtcat	cggctttacc	tgcagttggg	tcgaaggt			578

<210> 727
 <211> 653
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(653)
 <223> n = A,T,C or G

accttcacca	ccgaactcga	agtttccagtc	tccgcccac	ttgcgggttaa	attgattgat	60
ttctcttgtt	ctcgtcgact	ctaaacaaac	cacattcaaa	atgaagcacc	tcgcagctta	120
ccttctgctc	agccttggag	gcaacacctc	cccctctgcc	gctgatata	aggccgtcct	180
tgagtccgtt	ggcattgagg	ctgactctgg	tcgcttggat	actctgattt	ccgagcttga	240
gggcaaggac	attcagcagc	tcacgcgtga	gggttccgag	aagcttgctt	ccgttccttc	300
tggtgggtgcc	ggtgctgccg	ctgggtgggtgc	cgccgcccgt	ggtgggtgccg	ccgaggaggc	360
caaggaggag	gagaaggaag	aggagaagga	ggagtccgac	gaggatatgg	gcttcgggtct	420
cttcgactaa	gcgatctcta	cccagagatt	tgcaaagtaa	cgataacctca	cgaatttcga	480
agatgccacg	cacgggttgt	tcaccagttc	ttacatgtct	tttgctgga	tggattggcc	540
gctcatggct	ggattgggtc	tctctaagga	tgggataaca	tacnggtatg	gaaattaaaa	600
aaaaggcggg	cggctcttcg	aaaaanattt	tttctcntat	tttntatat	ttt	653

<210> 728
 <211> 639
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

cgactcgact	tcgtgcagac	tttacaatct	cccaccgca	cgccaaaatc	cattcacaa	60
gtctcacgcc	gagctcgctt	cgtcctacgc	ggccctgac	ctcgccgacg	acggtcttga	120
gatcacccgc	gacaagctcc	agaccctcat	caaggccgct	aaggctcgagg	agggtgagcc	180
catctggact	tccatcttcg	ccaaggctct	cgagggcaag	gatgtcaagg	accttctcgt	240
gaacgtcggc	tccggtggcg	ctgctgcccc	tgccgcccgt	ggtgccgccc	ctgctgggtg	300
tgccgctgac	gaggctgctc	ctgaggaggc	caaggaggag	gagaaggagg	agtctgacga	360
ggatatgggc	ttcgggtctct	tcgactaaga	agttacgccg	ctacgactgt	ttccttggtc	420
tttgtacttc	gactgcatgg	cttcgggggt	tccaatcaat	cgatcataaa	ggatggaatg	480
cgggcactat	accctgcgcc	ctggacagaa	gtccgcttnt	ttcatacnac	gctatgatga	540
atgcgctcaa	cggagtttcg	cggagggaga	attggtcaat	tcaaaggctn	tgataaaaaa	600
aaagtcccg	catgggtggg	ttgagttccn	aaaaaaaaa			639

<210> 729
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)

<223> n = A,T,C or G

```
<400> 729
gccctttcca aattccctaa aattagagct atcgagagag agctcgagaa cccagctctc      60
aacaccgagg accgcaaaa gaaggacgaa gagctgcagc aattggccaa ccaggccacg      120
tcattcatgc aactggctaa tgagacactt gaaatgatga agctcttcac tgacgccatg      180
agcgaggcct ttactatgcc tgagattgtg tctcgtctcg cgagcatgct taactacaac      240
ctggaaaacac ttgccggtaa gaaggcgcga gccgaactca gtgttagtaa cagggacaag      300
taccacttcc gccctattca gatcatctcg gatatcgtgg acatttacct caatctcggg      360
acctcgtctg tcttcacga cgccgtagct gcggtatggc gttcttaca gcctgaagtg      420
ctcgagcgtg tctcacgcat cctcacatca aagaaccaag aaggaccgg ctgtaattgc      480
tcgctgggac aaagctgaaa gtcaagtttg aggaggcaaa gacaattcta gatnaggccg      540
aactgggacc ntgggtgatat cccggccgag ttcgaggatc catcatggga gacctcatga      600
agggttctgt cctgctgcc acaagcacat tg                                     632
```

<210> 730

<211> 617

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

```
<400> 730
ggaaaggacg gccgaacaat cctctttgtt ggtgacggat ctttccaatt gactgcccag      60
gagctgagca ccatgatccg acatggcctc aagcccacga ttttcgttat ctgcaacgat      120
ggtttcacta ttgagcgatt cattcacggc atggatgctg tctacaacga cattaacaac      180
tggaagtaca aggacctcgt cagcgttttc ggtggtgaga agacttgcaa gacgttccag      240
atcaagacca agaacgagct caacgagcta cttaccaaca aggagttcaa cgctgctgag      300
tgcttacaat ttgtcgagct ctatatgccc agggaagacg ctctcgcgc tctggttttg      360
accgccgagg ccagcgccag gaacaacgcc aagaagcact aaatgcttac aacaattgat      420
agacgatata ttgggaagtg tgttctcagt caacagatat tcaggatgtg tctggctgca      480
tttggcacac tggttggggg ttctctgtttg gctaattata acggtttaaa tgggtttacac      540
tatagaatgg gcacgattct ttatgtttta tgtattttca attgaaaagc gattttctcat      600
aatataattc nattctt                                     617
```

<210> 731

<211> 495

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(495)

<223> n = A,T,C or G

```
<400> 731
ctctcgatgg ccgacttctc tcagttacac aggcagtcaa caagcaagag gccaccagcc      60
ttgccgagaa ctctcttgcc aagcgcaatg aaaaggacaa gcgtaagctt ttctgctgg      120
gcgaggggtg tatcgacaag aactcgctc tgttcaacct cctctcagag cctgagcatc      180
gtatgcgaca ggctagtgtg gctcaacgta ggaagcttgt acaaggcaac cccagtcttc      240
acttgagttt aactcgactg gccctgcgta acattccccg caacatggat tcgaaggatc      300
ttaaggagct tgcgcgaaag gctgttgtcg gattcgccag ggatgtcaag gctggactcc      360
gacaaccctt ttcaaaggag gagaacgcc gagacgaaa ggatccaagg agaaagaaca      420
tgaacgcagg ccaagggtaa ggggtattatt cgccangcca agattgtgtt cgagagtgga      480
gaaggacaga agatc                                     495
```

<210> 732

<211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 732
 cagcgggtgcc gtcaactggg gtgccaagat gcgaaccgac cgtgttcttg agcaatacga 60
 tgagggtcacg gatttcacat tcaatganaa gaatggaatc gactgcagct tcacacttga 120
 gtttgactcg gccattccca aaatccttat gctcaacctt gtccaagatg ctgtcaagaa 180
 gaccgtgatc caagagatct ctgggtgtcag atcctgacgac ttccatgagg agaaaaagga 240
 caataagacg atcagagtca tccacacaga aggtgtcaac ttgcaggcta tgcagcgata 300
 cagcgatttc atcgacccca atcgtatcca gaccaacgac atcgagctg tcttgagggt 360
 ttacgggtgtc gaggcaactc gacanaacat tgtgcaagag ctggctggcg tcttcggctt 420
 tacggnatta agnncgacaa ccgccacttg aacctgatcg gtgaccacat gacaangaac 480
 ggnggtttca caccattcaa cccgaatggg tctnaagggc aacgtcangt ccgtttacca 540
 anatgaattt cnanaccaca ttgggattcc tcaaggatgc tgtgttgat ngngnactgg 600
 gatatctctt tacccttacg 620

<210> 733
 <211> 521
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = A,T,C or G

<400> 733
 aattgaccca aaaacacccc ttgaggagtc aattgggtgcg ctcatgaga ttcgcaagca 60
 gaataaaacc aagtacatcg gcttgtcaga gtgctctgct gcaactcttc gaaaggccaa 120
 ctctattgcc aagatcgatg ccctccaggc cgagtactct gcgtttgaaa cactgcacga 180
 aaccgatggc ctcatcgaca ctgctagaga attgggcgtt gcatatgttg cctatagccc 240
 cctcggatcat ggctggctag ttgatgattt cccttaccag agtcctgaag atttctctgc 300
 taatgacttt cgtcgcggat cgccaaaatt ccaagggtgac aacttctatc ataacaaaga 360
 agatcgttga ggagatcaag aagcttgtgn ccgaaaangt gtcacatggc ccaaagtcac 420
 ttcattgggtg gcggttaagg attatgcttt cnaggacacg aancttganc cctgaacaaa 480
 atttgcttta acatgttgag tgaccacaaa aaaaaaggat t 521

<210> 734
 <211> 974
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(974)
 <223> n = A,T,C or G

<400> 734
 cgccaatcca cgggtcaacta cacaacacct tgtcgccttt aacgcacaa cagcgacaag 60
 atgcgaacct acgaggacac cttctccggc gcgagaatct accctggcaa gggtaagctc 120
 tacgtccgtg gcgacagcaa gatctttccg attccagaac gggcaagtcg gagtctctct 180
 tcctccaaag gaagaacccc cgccgtatcg catggaccgt cctctaccgc cgacagcacc 240
 gaaaggggat ctctgaggan ggttgccaag aagcgaaccc cgccgactg tcaaggctaa 300
 gcgtggatc gttggtgctt ctcttcgacg tgatcaaagg agaagcgcaa cattccgacc 360

cganggcccg	ttccgctgcc	cgcgcccaag	gccatcaaag	gagagcaaag	gagaanaanc	420
aggccgangg	ctgctaccaa	gaagtccgag	aaggctaagc	tcgctgcca	ggcctncaag	480
ggccaagctg	tncgaacagg	tcaacaagca	gggtgccaag	ggctttngnt	tccaaggtc	540
caggccaaga	cccgttaaat	taaggaatgg	aacttgagcg	aagatgaaaa	tgggagaatg	600
gaagtccgtg	ggttcttgtg	tctttgtccg	gccggttctt	ctacaatctc	gggtgcatgg	660
aatgncaata	gggtgcattg	atagttgaaa	tgcaaaatgg	tcaaacaaac	aaacagacaa	720
cgcattgat	tcttgtcgtg	acgaacaagg	gatgtgcaga	tatgcggtgg	ctggataaat	780
acctcacggg	cgttattcag	gaaactagca	acttancttg	ttagataacg	acacaatgcc	840
ttacgatgca	agaccagacg	tcacgggaat	cgcttcaatt	agattgtgtt	caatgggtatt	900
catgtanttt	gtctctattc	tatngntgtc	tcatacgctc	gtgaaaaaaa	aanaaaaaaa	960
aanaaaaatt	cctg					974

<210> 735
 <211> 632
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 735						
tgccctcgta	gtcaacatgg	ggacagtcac	tccggatggc	ctgaagaact	acctccaagc	60
catcaaggca	tacaacgaag	ctgaccgacc	tatagttctt	gatcccgttg	gtgccggtgc	120
cactgtcgtt	cgtcgcaacg	ccgtcaaaac	tcttcttgaa	gctggccatt	tcactatcat	180
caagggtaat	gagggcgaga	tccaaactat	cgccggtgcg	accatcacc	aacgtggagt	240
tgactccaca	tcattccctta	gttttgccca	gaaagcttct	ctcgtgcgct	ccgtcgcctt	300
acaccgacga	aacgtcgtta	tcttcacggg	cgctatcgac	cttataagcg	atggaacccg	360
cactctggca	attagcaacg	ggcattctta	tctttggtga	aagtcacagg	tactgggtgc	420
actctgggca	ccacaagtca	gcgctatggt	tgctgcata	ggcgccgac	ctttntttgc	480
cgccgtggca	ggaaccgnca	tgtttggtg	tggttgccg	aacttgcttt	tcaagaaacc	540
tgagggtcgt	nggccggggg	actttcgtac	cgggctttct	tcgatgagtt	gtaccgcctt	600
ttagggaagt	naacttggcc	aacaagtgac	tt			632

<210> 736
 <211> 533
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(533)
 <223> n = A,T,C or G

<400> 736						
ggtgattcga	tcgctatatt	tccacgcttt	catataaaca	cgacatcatg	tctgcccaga	60
actcggccgg	catcaaacag	ctcctcgacg	ctgagcaaga	tgcttccaag	attgtccaga	120
aggcccagga	gtaccgcacc	aagcgcgtca	gggaagctcg	tgatgaagcc	aagcaagaga	180
tagccgacta	caaggcccag	aaggaggagg	aatacaagaa	gttcgaggcc	gagcacagca	240
agggaacga	gcaggccgag	gccgaagcca	acaaggacgc	tgagactcaa	atcaagggca	300
ttcaggaggc	tggttaagaag	ggtcaagctg	gggttatcaa	gaaccttctc	agcgtgtttt	360
tcgatgtcaa	ccccgttctt	cccaccaaca	ccaagtcttg	agcggtttcc	cggcggagtc	420
acgggtgttta	taatcacgaa	ccgttggttag	ctcctgcact	ttggaagaca	attagattag	480
gtacgaggag	gatttggtat	aagaanagca	agaccatgcg	ttcttaaaaa	aaa	533

<210> 737
 <211> 688
 <212> DNA
 <213> *Fusarium venenatum*

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```
<210> 738
<211> 589
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G
```

<400>	738									
ctgaagaagc	ccgagatctg	gaagctcggt	gagaacgccg	aggctacta	cgttggtggg					60
ttccacttca	ctgtctgcc	tcttgccatt	atggagctcg	ccaagcaggc	tgctaagaac					120
aacaagccat	tgttcctctc	gctctctgct	cccttcattc	ccaattctt	caaggagggc					180
gtcgatgcc	gcgcccccta	ctgggattac	atcnttggt	acgagactga	ngctgccgcc					240
tacgccgagt	cccacgaact	cccagcaag	ganctaagg	atgttgccaa	gcacctgcc					300
aaccttccca	aggagaacag	ccaganaaag	cgaattgcc	tcatcaccag	ggcacccgacc					360
tacctgggtcg	ctatccang	tgaggatgag	atcaaggaat	ccccgtccac	ccattganac					420
tgagaagatc	aatgacacaa	cggtagccgtg	atgccttgtc	tggtngctctc	ctggcagggtt					480
tctccaagac	aanctctcga	nancantttg	acttgacaaa	tgtctctctt	tgacatccag					540
aatcgaactt	ctacctccca	ncaactacan	gcgctaattg	tacacctct						589

```
<210> 739
<211> 694
<212> DNA
<213> Fusarium venenatum
```

```
<220>  
<221> misc_feature  
<222> (1)...(694)  
<223> n = A,T,C or G
```

<400> 739						
gcaggaaata	gtagacggat	atcaagttga	ggtgcctgat	tactgggctt	gacttcaacc	60
cctgggagtt	tctctgacac	gacgttggtt	tcgatattca	attcnttggt	catgttagaa	120
agaccacggg	ttccaacggt	aagaacgttg	ccatttgggg	aggtggcgaa	atcgtccaag	180
ccgtcgccta	cgacgtccct	atcccaagct	atgacacaac	caacacaaaac	aanctgagac	240
tccggtccaa	ttaaagcttc	tgggtgggga	antttgactt	ccaaaaaatt	caacaatggc	300
gattacgaaa	agctccggtg	ccggttnaaca	ancgggctga	gaccatcagc	gccgtactgt	360
atcccaatga	taacctaat	tcqccggaaa	ggagccttcg	tcctgaagca	acaagtactt	420

ccgggggttgc	gggcctccct	tatacgataa	ccgtccggcc	gcttttaaaga	aatccaaacc	480
gcccttggag	ggnaatttcc	cgaccaaagg	ttgggccaat	tcaactcaaa	tgacaaccaa	540
cccaangctn	ggccaattgt	ccaanttgc	accgaatcct	canccgacaa	ttgagcaatc	600
ctcnaatngg	gaatttgggc	ctgggganaa	tcgtcntcaa	agaactttta	anctacaacc	660
aaccaaact	ggttttgccc	tgnaaactcc	tggg			694

<210> 740
 <211> 619
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 740	
cgattatcga	60
ttcacctcat	120
ggcttaacag	180
tcgctttcta	240
atatccacgt	300
tcatcaattc	360
gggtggcatg	420
ggctggcggt	480
gttgggtatg	540
tctttggatc	600
accataaatc	619

<210> 741
 <211> 575
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 741	
catcgggcct	60
ccgatacaac	120
ttatgtggct	180
atgcgtcaac	240
actcgaccag	300
ccaggctctt	360
tgagcttctc	420
ttggtgggag	480
cttaccatct	540
cggtttcggg	575

<210> 742
 <211> 650
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

```
<400> 742
gcatgggtgtc aacaaagtcc gtctccagtc ccagagcang ggaggcgccg ttatcgatac      60
caagtcacctc tcacttcacg acgatgccgc ccatcacctc gacctctcat actgtggtgg      120
ctgctacggg gctcaatccc ccgccaatgg tcaaaaggca ggctgttggtc agacttggtga      180
cnaagtccgn gaagcttatg ctcaggcctc gtgggccttt ggtcgcggcg aggggtgttg      240
gcagtgtgag cgcnancact atggcgagaa gttggatgcg caacgtgagg agggctgccg      300
nattgaggga ggtctacgag tgaacaaggc cattggtaac ttccatttcg ctcccggaacn      360
aagtttcagc agcggtaaca tgcacgttca cgatcttaan aactactggg atgtgcccaa      420
gggtttctcg cacgacttca ctcaccatgt ccactccctc cgtnttgagg ctcaactccc      480
cgaccacatt gctcgcaagg tcggcacaan aacacgctnt gaccaaccac caccaaaatt      540
cttttcgacg aactaccca agaaaaccca cgacccact acaantttat gtctttggca      600
aaaatgggccc cactttatat cttcctnntg ggggggataa caagggcatn      650
```

```
<210> 743
<211> 525
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G
```

```
<400> 743
agcacaagtt ccctcaaatt aagcctcatc ccttcaacaa agtcttccga aaggcggacg      60
ccaacgccat tgacctcatt gctcgctgcg tcgagtacac cccaccgag cgacaatctg      120
caattgatgc tatggttcac cccttcttcg acgagcttcg tgaccccaac accaagcttc      180
ccgactcgcg acacggaact ggccagctcc gtgagctccc cgctctcttt gacttcactc      240
gtcacgaact ctcaatcgct cctagcctga accagaagct tgtcccagca catattcgcc      300
ccgtttctcg atcgcaaggc cttgatatcg accacttcac acccttgacg gagcaggaga      360
tgatggcgaa actggattga gccggcctcg cgtcgaggca aagggtagtt ggcatatgct      420
tttacccttc tccggctctc cgtggctctn ggaagagacc tgcctcgtcc actcccagac      480
cgantcgaca aaagtggctg ggagcaaggg ccaacaaanc tgaca      525
```

```
<210> 744
<211> 621
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G
```

```
<400> 744
ctcgggcaag gttgacatcg gcgccttcag aacctaccca gccgactata agcccagcag      60
cgctgtcacc tcagatggca cccaagcagt acccctcgcc aaggccgccc aattcggtgc      120
tcacgcaagc cgatactaca gcctagaagt ctcccacttc aagagctctc tcgactccca      180
cctcctagag ctactttggc acaagtactg ggtccagaca ctcagccaga acccgctcat      240
tacgaaccga gactacggca ataagcagtt gcttgatctg agttccaaga tcaaggaggc      300
gacgacaggt attaccggga gccgagctgg ccaggggcatg atgatgggaa caagcacaaa      360
aagttccgac aaggnaagtg acaagctagc caagggaagc aatttgattg cttncanga      420
gcgatcaggt cttattgnaa atcaagtcaa nggtaggcct tttcaacgat ctanggtcgc      480
gtcgaatcct gcgccnggaa tgaagcatga tggactcact ttatggnaat gcatgtagca      540
caacaaaatc ggnataaatg gnggtaagan ggcaataagc aatcttttac ttttctttag      600
actaaatatt ncgaaaaaaa a      621
```

```
<210> 745
<211> 1021
```

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(1021)
<223> n = A,T,C or G

<400> 745
taccactcac actatctctt caacaactat ttcataaaact caattcccaa tcaacatcat 60
gtctgacagc tacggaggca acgacagcta cggctccagc cgtcgcgaca atgataacga 120
caactcctac ggctccagcc gccgtgacaa tgataacgac aactcctacg gctctggcaa 180
caacgacagc tacggttcca gccgtcgtga cgacgacaac gacaactcct acggctcctc 240
tcgccgtgac aacaacgaga gctcgtacgg atctggcaac actggtattg gtggcaacgc 300
cagctatggc tcatccgaca gagacaacaa cgacagctac ggctccagca acaaggactc 360
ctacggctcc agcaacaagg actcctacgg ctccagcaac aaggactcct acggctccag 420
ccgcaacgac aacgacaact cctatggctc tggcacccggc gctggcgctg gcctcggagg 480
tcgaaacacc acctatggct ctcgtgacaa cgacaatgac aacagctttg gctctagccg 540
tcgggacaat gacaacgaca actcttacgg ntctagcaac cgtgacaaca acgactccta 600
tggttccagc aacacatacg gntcttccgg taacaatgac tcctacggct ccagccgcaa 660
ggacaacgac tcgtttgaa ctggcaacac atatggctct tccagtggta acacatacga 720
ctccgaacgt gttaaaaacg acgacggttc ttacggacag agtaaccctg cctacgggtga 780
cgatgacaac aacaagaagt ctggtggctt catggacaag atcaaggaca aggttgagga 840
gaaggtcaag ggacacaaga accgtgacga taacgactac taattgtaat atgggggggtc 900
gggctctagt gtattagttg acaatagttg agtgagatga gatattcctt gctcttgaat 960
tgaagtttct tttgtttcga aaaaaaaaaa naaaaaaaaan nttttcctgc ggccgtcgag 1020
c 1021

<210> 746
<211> 939
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(939)
<223> n = A,T,C or G

<400> 746
ttcaccatct cagcaggagc attgaatatt ccggttcggc ttcccatccc ctctcatctc 60
gtacagtcct tccacattga ttcccttctt gatacctttt ccagttacat cacatcaaac 120
ccatcttcat taactgatac tggcttgccg cgttaccacg tctgactgac ttaacttctg 180
ttctcattat acagcatcaa acatacaaac aaagccactc tntttgcctt tgcattcgcc 240
cccagacgcc atcccgtgac atcattnngg ggaaacatcc aactacgact cttnttttag 300
tcccaattca aaaagaaata ctatcatcca ccaacaacgc tcgaaccctg agcgtccggt 360
ggcctcagcc tcaaacccgt cgatcatccc cttccatccg ttcgactgac gcttattttt 420
catctttacc cgtcaatac cgccaagctg tcttcccaa ttctacttca gcgcaccgtc 480
ttctacgacg cggngaacaa acctccgcgc cggggtagca tctatctcaa catgcccag 540
cgaaacacaa gagaaggagc tgctggagct cgaaggagga gatctagcag tatectcaa 600
gtctaccatg agcctcctga gactctcgag caaatcagtg atcaggctgn cctgctaate 660
tcaacgccaa ctggacaaac gccaaaaggng cctgganaat ccacattgtc ttgattctcg 720
ctgccaaaat tatcttcgac gccgatccct ggtgtcttac aggagacttc atggaccctt 780
accaacatgt cctacatggt tggcttctac attatgttnc atcatgtccg ngnggggtcct 840
tttgatttca acagtggcgc tttcnacaac cttcaacatg tgggagcaga ttgataacgg 900
ggcccaatac acaccaacca agaagttctt ntnnagtgt 939

<210> 747
<211> 624
<212> DNA
<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 747
 gtcgagtggg ggaccggtga tgacaagtct ccgatcgtac gattgaagaa cgagcaggat 60
 gaggattcaa tgcatactat ctggaacgtc tatggccgaa tcaatggcat ggagcaaacg 120
 tccaagtcta ttatcatcgg taatcagcgt gactcttggg cttttggtgc gacagaccgc 180
 cattcaggca ctgccgtcat gatcgagatg gccagaatct tcggggacct tgtgcagcga 240
 ggctggagac ccttgaggac tatcgagttc atgtcctggg acgcttccgc atacaaccta 300
 atcggttcaa cagagtatgt tgagcataac tctgacgcgt tgcgcgacaa cgcctttgcc 360
 tatatcaatc ttgatgcagc cgttgtgggc aacgaattgc atgcctctgg ctgcgccgtg 420
 tttagaaaat ctcttctgca cgctatggcc gattcatcga tcccagtact aattctacct 480
 taaaggactc tgggaccaga gtcattgccga gctnaaacag ctgaagaagg gtaccatatt 540
 ccgtccaaga tatcgtgga ctanttcctt gacctgcgtt cagggaagcc aagtcctatc 600
 atcaactcca cagatgattg gggg 624

<210> 748
 <211> 430
 <212> DNA
 <213> Fusarium venenatum

<400> 748
 aacgcccagt ctctccaccg tcaacacacc cagagaccat cagacaatc ggcaaaaatg 60
 gcggacaacg actctcccgt caccctccga actcgcaagt tcatccgcaa ccctctgctg 120
 ggccgtaagc agatgggtcg tgacatcctc caccccaacc gtgccaacat cttcaaggag 180
 gagctccgtg agaagctcgg ttctctctac aaggcccaga aggaccagat ctccgtcttc 240
 ggtctccgaa cccagttcgg tgggtggcaag accactggct tcgctctcgt ttatgactcc 300
 cccgaggcca tgaaagaagt ttggagcctt agttccgatt ggtgcgccgt tggcctcgcc 360
 accaaggccg agcgtgcttc cgacagcagc gcaagcagcg caagaaccga caaaagacct 420
 tccgaggtag 430

<210> 749
 <211> 525
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(525)
 <223> n = A,T,C or G

<400> 749
 tgacgggtcat ctcaactctt cccggacgct gccgctcatt ttcttgataa atctgcgac 60
 ttaccgcccc gctcgccatg gctgacgcgc ccaactctgg cgatgagctg taccctatcg 120
 ccgtactcat tgacgagcta aagcacgatg atgttttgcg ccgtctcaac gccatccacc 180
 gtctctcaac cattgctctt gctctcggcg ctgaacgaac tcgggaggag cttatcccct 240
 tcctcgatga gtctgtggaa gatgaagacg aggtccttgt tgccctgagc gaggagctcg 300
 gcggctttgt cgagtatgtt ggcggtctca gtggggcagc tccttctgtc tcccttgaga 360
 cctcgctgct atcgangagc ccgtcgtccg tgacaaggcc gcgagtnctt gaacaagatt 420
 tgctccnact ttccctcaca agtgaggagt ttttattccc tcaaataccg ctcgccaagg 480
 cgatgggtta aatnnaggtt ttggatnggc ttttaaaact cctnt 525

<210> 750
 <211> 547
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 750
 naaagtagcg tttcncaaaa tctctccncc aggtgcgatt cctcttttgn cagacttcgg 60
 agcaaagcgc ggccctccga tcattcntta ctngatcgta tcctaccatg aagcgcaaca 120
 accccaacat tcctatcctc attcgngaag ccgncggcac tcaaccaag gtcttcgccc 180
 gatacgagcg aggtgtngaa aagtcacaga tcctcgaggg tctttccgac aaggagattg 240
 angacactgg tactagctgg ccaacctgct caatagacga ttattgcttg ttatttgcca 300
 aaganacttg nacttgagag tggnggcctt gaantcnggt tccgcgatga tgaantttac 360
 ataanggtca aaatcagcat gccacaaaag antattgcnt caccataaaa ccaatctntn 420
 gtctcatggg tctatgactt ttgngnaccn actgncgtgn tatacagaag gngtttttca 480
 naaacccgcg tgggtganta ggaganaata cttgccacca acanaactaa nttantttga 540
 cttttgg 547

<210> 751
 <211> 440
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 751
 tacgtgcaga agaagaacgc agcgccggga tggaaagcgc ctgttacgca tatggctgct 60
 gctagcgcag gcgagattgc tgcttggtgct gtgcgtgtgc cgaccgangt tgtaagcag 120
 cgtgctcagg cgggacagca tgggtggttcc tgggctgctg cgctgcgagc tattctgtcg 180
 aggtactcga gccatgggtt cgttcccatg tggcgcgagc tctaccgtgg ttggggaatt 240
 acagtctttc gtgaggtgcc cttcactgtg atccaattcc cgctatggga ggctatgaaa 300
 tcctggggac gtcgccgtcg tgggtggtcgc gaagtcactg gtgctganen cgctctttat 360
 ggaagtatgg ctggtggatt ctctgcggcg cttactacgc cgcttgacgt gctcaagaca 420
 agaatcatgt tgtccaaaaga 440

<210> 752
 <211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 752
 ctatctcggc cttggcacca agactctgct ccctgtggta gagtcggttc agaagggcgc 60
 caaccccaaa ctccgcatca tgctcggttga gtttagatcc gttcagatgt cccaagcatc 120
 ggtcatgggt gtttcagatg aatggatcaa aaagggtcacc caggccaaca gatcccacca 180
 tcagctcttc atgggttagca agcgaacatt cgagcgctgc aaccagccgg tatccctact 240
 tgaaggagat atcattctca ctctaaatgg caagatctgc actaccatct cggatttcga 300
 tttgatgtac tcacatgaat tgctcgatgt cgttatctgc cgcgatgcg aagagatgca 360
 ccttcaaate cttactgttt ctgcnagcga tatggagacg gatcatgcag tttcgttctg 420
 tggcgctatc cttcacagac ccatcaagct gttcgacaac agatcagcaa gctacacagt 480
 gaagtgtttg tgtctagtcn aattaaaagg tctcctgcct accantatgg agttgcacca 540
 accaacttca tcatctatgt naacggtact cccaccc 577

<210> 753

<211> 505
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

<400> 753	
caaggttgcc aacttgga	60
ttctcttctc accgatctcc	120
caagatcttt cagaagaacg	180
atctcagaac aagcgtgttg	240
tacaagaccc tcgtgactct	300
cgctggaaaa catgatctca	360
gcgtngggaa agtnaatcnc	420
cgtgcccttt cccaaggggn	480
ccggaaagtt taccgggggt	505

<210> 754
 <211> 1140
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1140)
 <223> n = A,T,C or G

<400> 754	
aattccgggg ctctttggna	60
atTTTTtTgTg ngnaccaaag	120
gggtcgtctt nactgaagta	180
gagtttcagc ctgcttttca	240
agccgtagca gtccgttctt	300
cgtttcgtga tcgccttcgc	360
ccttacgccc gcggtagcta	420
gggcattggc gcacanaagg	480
cccgcaatcg cttcccatTT	540
gtcggccgag tatgttggca	600
cgccaagcga gtcgtaatga	660
aatggctacc gccctcancg	720
gcgtaacctt gnagaaatcg	780
tgagaanaaaa tgtcatgctg	840
gagtttTcgcg ctccaaatac	900
gcttgagagc cttaatatct	960
tctcaggggc gagcgaatcg	1020
ttttgggtatt tgtagaggat	1080
ctgtggataa ngtnaatct	1140

<210> 755
 <211> 1156
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1156)
 <223> n = A,T,C or G


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gtctcgcccc atgacctccg tcgctgtctc tgacgggtcc aacgggtctca tcaccaagta 240
cgngtggaag acccagggca acatccccac tccctacgtt ggtggtgtca acatcattgc 300
tggttggaac tcccccaact gtggtggctg ctaccgcctc gagttcaagg gccgcaagat 360
caacgtcctt gccatcgacc acgccgcctc cggcttcaac attggccttg atgccatgaa 420
cgccctcacc ggtggccagg ccactcagct cggccgcctc aacgctcagg tctaccacgc 480
cgacgcttcc gcttgtggcc tcaagaagta aacggcgcaa ctctacgact ttttatgaga 540
tgcattacgg acggggggtt tggacagcgg acattttatg attcttcctc tccttagaac 600
tatgggttta atacttggca ttggatggcg tttagactat gattttacca ccacataatc 660
taactagata cttacactta cagtatgaat gaacatagag ctttaattgcc ttgtatcaaa 720
atcataaaaa ccaacaatgt accaccagaa aagacaaccc aacacttaga cgtccaaagg 780
ctttccaagg aatgtatgcc caacaaaaaa caagagaatt gaatcaattg tagatttccg 840
ccccgagcag tgttgcaaga agctgataag cgttttcaca cgcttatagc atgccaaagc 900
cggcgaaacat ggtgcttagg acaatagtca gaccccatgt tcggccaacc tcgatgacag 960
cagcgccatt gctcttagtt gactctgcgg tgtcagaatc gtcgtcgttg ttttcacttc 1020
cgggtgtgtc ggtgtaaacc gtgttggcgt cgtcagtagc gctagctgtg gccttaacag 1080
taccagtgcc tgtagctgtg gaagtgtgtg tgtatttctt ggggtcttca gcaccgcag 1140
ggttgttctc tcggcagtca gaggcacaag aggctttgcc ggcacaatcc gtgacacact 1200
ggttacccca ttcttggcag acgtaaaagg gaaggggtgag ggagtattcg gacacgttag 1260
gttgccttcc gtcaccgcag atgcagccat aagtgagggt tttgggattg cattcggtga 1320
ccttggtatc tcccttacta gtttgaccac agatcatggg acatgtctct atttcgttct 1380
ggcaccaaac cttgcgtagg gacagaggca cgctctcagg gtcgatcacg tagtcggcgt 1440
tgacaagagt gacagccgaa gccgcagtag cgaggacgat tgttcgaaga gaaggcatta 1500
taatggcgta tcggtgcttg aaaacaaaaa ttgattgtgt tttatgctgg taggtatata 1560
caccggttta tatcagatgt tcaaaagttg gtaaaccggtg aagattgaca gaagatgggt 1620
tgcttaaagc aaatttgaac ttcaacggaa atgggagcga cagtatgaat agaatatcgg 1680
aatgaaaagt tagcgactgt tcaagaccag gtctgatata gcgagtgtat caactgaggt 1740
gaggagagga aagaagaagc tgagaaaaaa aaggtcgagg aggtccgaga catatcaacg 1800
atgcttgact taaaaagcaa atttgaactt caacggaaat gggagcgaca gtatgaatag 1860
aatatcgga tgaagagtta gcgactgttc aagaccaggt ctgatatagc gag 1913

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<210> 758
 <211> 599
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(599)
 <223> n = A,T,C or G

```

<400> 758
caatcggttt ccacgatttc ctatcctctc agcacacttt taaaactgct ccacggttt 60
ctcttggtat aatcttctag aagcacgtct ttcgcaacac gacaatgtct cgcggcggca 120
ccacccttta cgtgaccggc ttcagccacg gtaccgcgcg tcgcgacctc gcctacgagt 180
tcgaacgcta tggccgactg gttcgtctgt acattcctgc acccaggtct acgtccagcc 240
gtctcttcgc ctttgttgag tatgaggacc gacgtgatgc tgatgatgct tatcatgaga 300
tgcacaacaa acgtattggt cgtgatgaca ttctaaagat cgagtgggct cgcactcctc 360
cttctgcata ttggcgcttc gagtcaggcc gcgatcgtga tcggcggtgt ggggcccgc 420
ctcctagacg tggacgttct ccttctcctc gtcgcagcac tcgtgaatna tctcctccgc 480
aagggacaac cgcaagggac cngnacngaa gactatgata gcgaagagcc gacgtgacag 540
ggatcgctcc cgcagtctga ccaccgggga ccgtgagcgg gactcttaag gatgatcgc 599

```

<210> 759
 <211> 624
 <212> DNA
 <213> *Fusarium venenatum*

```

<400> 759
agcctctact ttctccgaaa tggagaagca gaacgagtat cttagccaga acgcagagac 60
caagggagca ggaagaaggc ctatcgacag cttattagag attgtcaagg aggatctaga 120

```

taactacgga	gagtgcata	ttcccgttga	cgaggccaac	accatcaata	tgaagctctt	180
cccccatcat	attgaccctc	ccagggttcg	aggctggcat	gtccccgtac	ccaaagccaa	240
atttgccgac	attatggacc	ctacgtggga	tctcaccctg	caaaagggtca	tttcccatat	300
cgatggtgtc	tctgacgttc	gacgcacgc	tcacgcagct	tccgtctcac	tcgagctagc	360
caagactgca	ctccggcatc	ttctttacta	tgatactatc	cttcttctcg	acatgttctt	420
tttcaagtgc	atgttacgca	cctcgccccg	gcatccatga	ctttattcga	aacattgacg	480
gaatggttga	cgaagtgtgc	ttcgtatgtg	tctcacggcc	gtggacttgt	gagcaactat	540
catcttatca	aactcatgtc	gacgtttact	cctggcaagt	ccgtcatgga	gtggctaaag	600
ggccatcaaa	aactcaggct	tcga				624

<210> 760

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 760

cattgatatc	cgatcatccc	ttcatactat	ctgctttcac	ctcgttttac	tttattccca	60
tggttggttag	aattcgacag	cccgtcgacg	aggcggcgct	tcagaagttc	atttctgaaa	120
atgtacctga	catcaaaaaca	ccaattgacc	tcaaacaatt	tggttttggt	cagtccaacc	180
caacatatca	aatcacccgt	tccgatggcc	agcgcttcgt	gatgcgaaag	aagccacctg	240
gaaagctcct	ctccaagaca	gcccacaaag	ttgagcgcg	gtaccgcac	atgcatgctc	300
ttgaaaacac	tgatgttgcc	gtccccaaga	cgtactgctt	atgcgaggat	gactctgtaa	360
tcggaacacc	gtttttacata	atggagtttc	tcgatggctg	tattttttgag	gacttcacga	420
tgcttggtgt	agagccagcc	gaacgtgagg	ccatgtggcg	cgatgctgtg	ttaacctctg	480
ctcgattcca	tgcagttgat	tacaaaaagg	ttgggctgga	aaanttggta	aaccatcnng	540
tttctatcat	cgacagatca	atacttgggt	gacaaattgc	ggaagccag		589

<210> 761

<211> 570

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(570)

<223> n = A,T,C or G

<400> 761

ncaatccgct	cgcagaagcc	atcatcatcc	cttcaaagcc	caaantntctc	accgtcacct	60
acgccaacct	cgaatccgac	gtctcanctt	tccagcgcaa	gctcgctgat	ctgggcatna	120
caaaagctgc	cccgtctccc	atcgcgctcg	tcaattccta	cgagttcatc	gnctcttttc	180
tcgccgcttc	ctggcagcgt	ggaattgccg	cncctntcaa	cccggtttac	aagcaggatg	240
agtttgagtt	ttatatcgac	gacgtcaaga	gcgccatcgt	cctcgttccc	anaggcgctt	300
ggcgggccgg	tgcacctagc	gtaaaggcgg	ccaagaagtt	caacgcccgc	tgcgctgagt	360
gctattggga	tgaagcccag	ggggagggtc	ccctcnatga	caaaggacta	tggtctnttg	420
aanggcaana	angaaaangg	tnttactggt	tgacctgaac	atgtcctttt	attctacaca	480
ctagnggcac	tacattncgc	cccanggnng	ttcccttact	tattggaacc	tggncgccgaa	540
ccatgaacaa	cattaagaac	ccttccgact				570

<210> 762

<211> 571

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

<400> 762
 caatttttcag tatataccaa gctccagctc agcctcggcc tcgtacacgc gacaaattcg 60
 atatcaacgc agccgcaatc atgacttcca caatcggtat tcccatcaag ctccctgaacg 120
 aagcacaggg ccacattggt accctcgaaa tcacctctgg tcagacctac cgcggcaagc 180
 tcctcgatgc tgaggacaac atgaacgtcc aactcaagga catcacccgtc accgcccgcg 240
 acgggcgcgt ctcccatctc gaccaggtct acatccgcgg ctccacgtg cgtttcttca 300
 tcgttcccg catgctccgc aacgcgcca tggtccncag ccgcaacgtc cgtggccgtg 360
 gtgtcgggtc cgctagaagt cgcgcaaccg tcagccgaac gcgcgaggc ggtcgaagaa 420
 gangataaac ctagaaaaag gaagaagaga gacaataatn gagagacaaa tgcntgtttt 480
 ggcgttcang cttatttgga tttttcatga acttcaaacy aagggtctat catcttcctt 540
 tttttggtna aagtgaatca taaggaaaag g 571

<210> 763
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 763
 ctctgcctca tctgectcac ttttttcac acatacccaa cttttctaac ctttaccat 60
 attattatac actaattgcc catcatggct cgcaagttct tcgtcggcgg caacttcaag 120
 atgaacggct ccaagtcgtc catcaaggag attgtcgaca acctcaacaa cgctgacctt 180
 gacaagaacg ccgaggctgt tgtctctcct cctgccctct acctccccct cgtccgcgag 240
 actctccgca aggatgtcga ggttgccgct cagaacgtct acgacaagcc caacgggtgt 300
 ttactgggtg agantctccg tcttcccact caaggacagc gagattcacc tgggcatc 360
 tcggtcactc ctgacgcgca accatcattg ggaattctga caagttttct cctcccaaaa 420
 caantnccta ccgaaaaaag gctccaagtc atctggtggc tgcgngaata ccccgaaacc 480
 cgcgaaaggc ggcaaaacat gatttctctt ccgccaatn aattccccca tcccccaattt 540
 ccnaacggtc cacatgtcnc cctanaacct ttnnggcatt gncatggcag ggtgccnccc 600
 ctaac 605

<210> 764
 <211> 377
 <212> DNA
 <213> Fusarium venenatum

<400> 764
 gaaagcttca acactctgct tttcttcgcg gcaaacgagg tcattaacga cgagaagaca 60
 gctgaagatg ctccctcagta catccgtgct ctgacccgcg acctcaagaa ctacgtcaag 120
 aacaacttga agcgggaagat tcctattggg tattctgccc ccgatgtccg tgatgttctg 180
 tgggacacct ggaactatct gcagtgtctc gatcctgatg atgaagatga catgagccga 240
 gctgatcttt tcgccctcaa ctcgactca tgggtgtggc ctgaaccact tatgaaactt 300
 cctcatacga cgacctcgtc gccgggtttt aatcatcgtc tgtccctatc ttcttcagt 360
 aatgtggttg catcgag 377

<210> 765
 <211> 661
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(661)
 <223> n = A,T,C or G

<400> 765
 tccaattcca cgtccggggc ctatcctggt cctatccctt catctagctt tacctcactc 60
 cctactatca ctactagtag tcgacgaagt tggacattgt catagattga aacgagcctc 120
 tctcctcata ctttactttc tacatcggtc taaccccgcg tcgtctcctg tcaacagggtc 180
 tgataattca actctgacac catggccgcg cctctgggtc accgctctcg cggttctgat 240
 gatctgggcg tctttgatga cgccaaaagc tactatactg cagagcgtca ttagaaccgt 300
 gctggccctc gcacccgaac ttactcccag gttgggtgta ccgacatcgt cgtgttggtta 360
 cctgaattga tattggaaac agaacaagt tggatgtcacg ctttgagcga gtcaatcttt 420
 gagagccctt cagacgtggg agttatgacg agaactcaca acagaaccgc cgctttttga 480
 tccaagttga ttcgacattg gaaagtcttt cactccaaga agatcccaat ggggaacatgc 540
 cgattacaat tgaggacaat gggcccaagg gttttttttt gcgtaccggc gtttagttgg 600
 cacaaccgtt tcgatgtgcg aggaacttat atgctgncca acctcttgca ggagttgacc 660
 t 661

<210> 766
 <211> 659
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(659)
 <223> n = A,T,C or G

<400> 766
 tacagaacca atntcatcaa catcgaacat catccaagag atgagtagtc gcggtggtaa 60
 attagcccca gaagtcaatc gagctctgtt cgtaaagaac ttgagttaca acgtcactcc 120
 agaagagttg ttgatctctt ttggaaaatt cgccccatt cgccaagttc gacaggggtat 180
 cgccaacaac accaagggaac ctgcattcgt tgtctatgaa gacgtagccg acgcgaagca 240
 ggctgcgac aagctcaacg gcttcaactt ccaaaaccga tacctngttg ttctatacca 300
 ccagcccgcg aagatggcca agtcaaaaaga ggacctcgaa gctcgccgcg aatcttttagc 360
 tcagctcaag acccagcatg gtatcgattg acaatccgac cggctctgtg atagcctgct 420
 aggaagtcca cttcctcgtc tgcaggccgg tcttcgtctt cttctaaatc tccgtcacc 480
 gatccgaaga cgatccttcg aaaaggcaga gccccgatca aganggtagc caccaaagag 540
 ccccgcatte ccccgagtc gtccgttttg acgacggact tcgacctgca cttgcctgtg 600
 catgatgtat caaccctttt tatcacacca ctttttttga nggggctttt aaaacaagg 659

<210> 767
 <211> 726
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(726)
 <223> n = A,T,C or G

<400> 767
 ggacgaggtt tcaacaaaac ggctatccct attcttgttg gtaccaagta cgaccacttt 60
 gtcaactttc cccctcaaga ccaagaagag atctcaaata aggcgagacg atttgccaaa 120
 gccatgaggg ctgcattaat cttttcaagt ncaagtcata gcatcaatgg tgcaaaagat 180
 cttcaanatn gttctatcaa aggcattcga cctaaagtgg tnccattccc gaaatcgaaa 240
 atgttggcga ggcttttctg gtatatcagt ctgataatgg aaccaccggc cgttaccaag 300
 ccttaacatg ttgaacctgg acaccatgga acgacgaatt ctaacttaca tatggcgatt 360
 tcagcatcgc acaacagtc cagcaaaaaa tggttgctac ccccttttca aagcactttc 420
 ttttggtcac tacataacat acaaactgga tcgtctcctg tttctttttc actcacacac 480
 acaacaaaact tgacacttta ttacggattt cacgggaaag aggtcaggat cacctctggg 540

```

aaatagataa acatgggggt tattggcgca ggaccgcatg tgattgacgt ggacacttgg 600
agaggggtatt tgagacaaaag atacaaatcg acttggtaat cgtgtgaaaa aaaaatttgt 660
gtggggggaga tgtatgcttc ctagacgtag atgacgggtg taagatttct ctcatttcga 720
gttacc 726

```

```

<210> 768
<211> 439
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 768
caaacaatta actatctaaa gccgaattaa caatcgatta accanacacc tttttataacc 60
cgcaaaatca aatcgcaacc atggctactg gagcgcantc nttctacgag ctgtaccgac 120
gaagcagcat tgggtcttgct ttgacagaca cactcgatga tcttatcagc gaagagcgca 180
tcaaccccca actggccatg aagattctgg gcaacttcga tcaggccatc accgaggcgc 240
tccaaaagaa tgtcaaggcc cgtctccant tcaaggggaag cctngatata taccgatttt 300
gcgatgaggt ttgggacctt cttgatcaaa aatgtgacgt tcaagatgga cagcggaagc 360
caatcnatca cagcgaacaa gncaagattg cagctgcatg ctaanaacct ggngaaagga 420
caatanacac tngagatgc 439

```

```

<210> 769
<211> 600
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

```

```

<400> 769
ctttgtctga tacttaacac aaggccatct gacttgaagt tgatcgacat caanatacct 60
tattagcttc gcttgntaat gatcgacacc ccggacaacc tttaacacac actccaacgt 120
tggcccattht cggattttctt cacacaactt caattcacca cttcaacaat ggatgaggat 180
caaggaccac aatccattgc gcctgaacat gcaccgtcca agacaattgc tcagcgttgc 240
aatgggtcttg ttaaagcgtt cacaactaga cacgggtctga tcggcgatta cgactatggc 300
ttctctttcg gccaaacctg ctttcatgaa gaagagcgtt aaccaagcc ctttctttgg 360
actcaacgac aagatgccag ttcttcttgg ttactcttg ggggtccaaca ttgcattggc 420
catgttagca ggtgtnatta cgccacccat tatcatcaag tggcagcgcc aatctattgc 480
ctgaacaaca acaatacctt gnctcgactg cccttatggc tnangcatct tttccgctgt 540
ncagatactc gtttaaactt tttgccaca atattatntt ggactggaga ctgcagncgt 600

```

```

<210> 770
<211> 610
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

```

```

<400> 770
caagaatttc ctccgatccc gactctttct ctccctctcc ttctcacgaa cagaagctgc 60
atcactctcc gtccttgacc tcttacctcc gctctcgatc tcttttccgt gatctcacgt 120

```

cacgtatctg	aataattctt	ctttcaattg	ccaatccggc	cgaaggacct	taatatcttc	180
cacaatgctc	agcgccgctc	tccgaaggcg	tggtctcacc	cctacacaca	gcgctctgtg	240
aaccggcttc	gctgcccacg	ttgtgcgaca	ctatgcctct	ttccctgagc	accaaggtca	300
ttcaagatgc	ctgctctgtc	ttccactaat	gcaggctggc	aacanttggc	ggtctggcag	360
aagaagatcg	gtgactccat	cgcccccggt	gacgttcttg	ttgagatcga	naccgataaa	420
ggctcagatg	gacttcgaat	tccaggaaga	aggtgttatt	gccaaagatcc	tgaaggatgc	480
tggcganaaa	gatattcctg	ttggcagccc	cattgccgtt	ctcgttgaag	aaggtaccga	540
tgtcccgcct	tcgaaaattc	tccgttgaag	accccgtagg	gatgccgctn	ancccgctgc	600
ctccaaggaa						610

<210> 771

<211> 322

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(322)

<223> n = A,T,C or G

<400> 771

ntcgatcttg	nccgcaactg	tggtgctttc	tntgccgagg	aggcggagga	ctaccttaag	60
atgggtgttc	tcaacgggtc	cttctccttg	gccgaacatt	ggtcttattg	cccatttcct	120
cgaccanaaa	cgtctgcnaa	ctgggtctcta	ccgtcatccc	tgggacgaca	ttacttacct	180
tctccccaac	ctccgggagg	ctgggtgccc	tggtgctgag	ggccgtgttg	aggtttctct	240
gtaagaaatg	gggaatggta	atgcaatcgg	aaagggaana	nataaggcgt	cnagcatttg	300
atgatnttgt	gcccgcctgg	ac				322

<210> 772

<211> 625

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 772

ctgacccaaa	cacaattgtg	cagggtggtg	tgagatcac	accaaccatc	accactgct	60
cattggctac	tgctattggg	cttgagttc	gagttagact	tgaacaagca	ctgccgcca	120
actaccgcgt	cgatgtgacc	tgcaaggaga	acagtcacaa	ccaagacgat	caagtcaaca	180
agcagttagg	cgacaaggag	cgagttgctg	ccgtctgga	aaatgatacc	ctgaagggag	240
ttctggacaa	gatgctggag	acatgcgctt	agtcattggc	taccatcatc	gaccctcact	300
cttttagaag	cttccaaagt	cgcattggata	atgcttgctg	atcttcgttg	cccactatcg	360
actggtgtca	ttgctacttt	gatagccaaa	acgcgacatc	gttttcgtac	cgaagcttga	420
tggaacacgc	gaaaatacca	cccttccatc	gatgtcttga	atctcggcat	tcaagacggg	480
gtattcatta	agtcttggat	agactgaacc	ggtgaactgg	taataaacat	acaactgggg	540
aaaataccga	ctcgtgattg	gagaagaaga	ataaggacat	caatcaaggg	ccctcattca	600
tctaaataag	ggccaagctc	caccn				625

<210> 773

<211> 648

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(648)

<223> n = A,T,C or G


```
<400> 773
gaaactccaa gccagtagct gtattccgta agaagccatg tccctgccgt caactatgaa      60
agggcgatcat ttttgacggc ctgtacaaga tctcggtcca ggatcgatct gtgccccaga      120
tccgtgatgg cagagatatc attgtcaaag ttcattgccg gggattgtgc ggatccgagc      180
ttcacatcta ccgtggccac caaccgtcgg gcaccggggt cgtcatgggc catgagttaa      240
ctggaacagt tgttcaagtt ggttcggatg tcaaaaccat cgacatcggg gacaaggctg      300
tcgccccatt cacagcttct tgcggcaatt gcttcttctg taacaacggg tgttcccccc      360
cttgtgttaa aaaccagcc gtttggcggg gaaactctta acggagaaca ggctgaatac      420
gtccgaattc ctatggctga tgggactgct gtcaaggctc ccgagactat atcggacgaa      480
actntnttac tcatggcgga catcttcccc actgnatttc tacgggtgtca agaagtgtca      540
tggagcttgt gccttcccaa aacatccaag aagctacgat ggtcatcggg gggctgggnc      600
ctgntgggct ctgcccantt tggcagncac tnatttnaag ccttgttt      648
```

<210> 774

<211> 487

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1) ... (487)

<223> n = A,T,C or G

```
<400> 774
tcgacaagta cctgcgcatt gctcgcaaga cccaccggga ggctgccatt gacacagctc      60
tcgcttcttg ttacgtctgt ctcgagcagc tatccgaact tgaggacttt cttcgngcca      120
ccaatgttgc caacattgag gagtctgggt acaaggctta cgaggaaggc ttgtacgagg      180
cctccaagat nttctacacc agcatctcca actgggctaa gctggccacc actntcgtcc      240
atctnngnga ctaccaagcc gcgttgagtg cgctcgcaag gccacaaca tcaagggtgtg      300
gaagcagggt cagcaggctt gtgtgganaa naaggaggtc gcttgctcaa atttgcggtc      360
taatctgatg gcgatgctga ncaactccaa atttgggcaa ngagtatgan cncaccggtn      420
ctttgatgac tnatcacctt tttgagcagg tttggcctcg ancgtctcna tgggaatgtt      480
actgact      487
```

<210> 775

<211> 564

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1) ... (564)

<223> n = A,T,C or G

```
<400> 775
caaacactcg catcacagac tcagaaatat tcgaaagacg ataccctgtt ctccctctcg      60
aattttctat ccgtcttgga tcaggaggac aaggtcagca ccgcggcggt gatggtgtca      120
tccgcgacat cgagtttctg attcctcttc aagtatccat cctcagcgag cgtcgcgtct      180
atcgctcccta tggcttgaac ggcggagggt acggagaatg tggctcctac ctttgggtcc      240
gaaaggttga aaaggcaaac tgggaggtat ccctgaagca gtttcacacc agggatgacg      300
cggccgaggt agagtatgag gagagacatg tcaacatggg agccaagaac acggctgcca      360
tgaaggctgg agatgcgcat atcatctgca cacctggagg aggtgcgtgg ggagcncgag      420
ggaacncgag agtgtancca aaaagaaggt cgatcatact gaagcgtgga ggaagggaaa      480
gtggtagtgc caaggatgaa actgccttaa gcttagacaa ggtgatggga ttatttacaa      540
gactaagtga tgaagttatc taag      564
```

<210> 776

<211> 675

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(675)

<223> n = A,T,C or G

<400> 776

ctttgactta	tcaccactga	ttcgaagccg	acggcgacaa	acagctaatt	aaccaagcct	60
aactactgtt	tcgatcgagt	ccccgatcc	cccgcaatcg	aatttcgccc	atcatgtccg	120
acgtccaaga	acgcctcaag	aagctcggcc	tcggtgcccg	aactggtgga	aagggtagcc	180
cccgacnaaa	ggtcaagcgc	gcacctgccc	gctccggtgc	cgacnacaag	aagcttcagc	240
tcgcccttaa	gaagctgaac	acccagccca	tccaggccat	cgaggaggtc	aacatgttca	300
agcaggacgg	aaacgtcatc	cactttgctg	cccccaaggt	ccacgccgnt	gtcccctcca	360
acaccttcgc	catctacggg	aacggtgagg	acaaggagct	cactgagctt	gtccccggca	420
tccttaacca	agctcggccc	cgactccctt	gcttntctcc	gcaagctcgc	tgagagctac	480
canaacctcc	agaaggagaa	gggtgaggac	nacgacnaga	tccccgacct	tgctgagggg	540
ganaaccttcg	agggagaacc	caaggctcag	tnaatttcct	tcaaaaaaac	tcgagggcga	600
tggggcantg	aaatcgtagg	catgtccggn	caaaaagggt	ggctagtttc	tcctgcgang	660
cgggttttat	gtttt					675

<210> 777

<211> 1565

<212> DNA

<213> Fusarium venenatum

<400> 777

ctgcctgaga	aatacaaaatt	gtccccatcc	gcccatactg	aggctttctt	ttttccctct	60
cttccttttc	tcaccccaaa	cttttataca	aacacaatta	catcaagatt	tacagcccaa	120
ggcaatcaag	atgttctaaa	caacccccct	tccccgttgt	ttcccccaag	cctcagtcga	180
aattacgtct	caggacccta	acaagttaat	ccccactctt	caaccaaccc	gttcagctca	240
cctcacggtc	gacctgaact	tcagcactgc	tttgaatagc	ttcggtccca	gttccctcac	300
aaccgccaac	atttcaggcc	aagacttccc	agtcttcacc	acggatcccc	aatcaccatg	360
gcttctctcc	accagtccca	gcttgccggc	acaatccgcg	caacagttac	agagtcccga	420
atcacccgct	caggactttg	tcttgttcga	tcagccccct	aatcgctcta	caacaacatc	480
gctgccaaac	cagcgtcgtc	actcgtctca	tctgcaaaac	cgccaacagc	ctgtctcccc	540
tgctgttcag	aatcaacgag	tagcccagtt	gctccaggct	tttggtcgtc	cttcgtctac	600
tgtaaacac	aaccgcccc	cgaaccagtt	ttacgcttct	tcggccccct	cgatcatctac	660
tgcattgaac	cagcagaacc	gtgctgctcg	acccccagta	cctttttttt	ccagagtaca	720
ggtagcgctc	cgcaacaaac	cgccaggatg	atgaacgctg	cagacgtcga	actcgaagag	780
ttcactgcct	tcgagggcgg	ggcccacacg	gccttttcct	cacctgctgt	tgcttctgtc	840
tttgacttta	gcagcagtgc	gtctagctct	attgccaact	tggcgaccat	ctcgcctcag	900
gatcttcttg	ttcaagaacc	tttcatgtct	gttcccaact	cgtcggccct	cacggctttg	960
acctctccat	ccatctacaa	tgagtctccg	gactttgacc	agtatgatgt	gtctcccaac	1020
tttggcaatg	ccgatttcga	cacacctgct	ggagattggg	tcctctgttc	cctacggaac	1080
cctcagctgt	tccccagctg	agtgttgaga	cctctcctga	gatgaagtct	gatgagttgg	1140
actctgatgc	tcagtctcct	cccatgcccc	gtcgcaagtc	gggtacatcg	ccttccactc	1200
gccactcttc	tgtggctggg	gttaatgccc	gcaagcgaga	caagcctctg	cctcccatca	1260
tcatcgatga	ccctagtgc	atcattgcta	tgaagcgtgc	tcgtaacact	cttgccgcac	1320
gaaagtctcg	ggagcgcaag	gcaatgaaga	tggaggaact	ggaagacaag	attgccaagt	1380
tggagaaga	acgtgatcac	tggagaaga	tcgctcttgc	gcaatcaggt	gcgcaataat	1440
ggattaaaag	tgggaattact	ttctttcgcc	aatatcggga	tatcgttggg	ttcgtttatt	1500
gagttttaat	caagtttcat	tgattcctat	cagtcaaact	agtcaatcaa	attgtttatg	1560
aaata						1565

<210> 778

<211> 585

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 778
 ttttgcgcca gtttgaagta acactctcaa cagccgagga atcatctttg ctaccagtaa 60
 ctcaacctcg caactataca caaacttcaa aatgggcaag aagcgtgcgc gtgaagangg 120
 caaggacgtc ccgcctgcgg acgttaacat gatggatgag gacagttcag atgacgagga 180
 tttcgatatg gtcaacgtcg acttcgagtg gttcaacttc gatcctgagg ttgatttcca 240
 tggaaccaag acgcttttgc gacaactatt cgatgttgat gcgaatcttt tcaatatgtc 300
 tgccctcgcc gatctcgttc tttcacaacc caccattggg tcaaccatca aggttgatgg 360
 caagggcaac gangcctacg ccctttctcac cgtccttaat acagctgttc atcnagataa 420
 ggagccaatg aaggatatcn tccaatacct tgtggagaan gcgcaaacca attcgtccct 480
 agcgccattg cagatgtcct cagcagcnac aacatgtcgg accatgttct ccgaacgtct 540
 catcaatatg ccttccgaac tagcaccgcc actctattcg atgcc 585

<210> 779
 <211> 475
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = A,T,C or G

<400> 779
 gaccaacctc aagaagcagg gtatgctgcc cctgaccttc tctgacctg ccgactacga 60
 caagatccga cctgatgaca aggtcgacat cctctgcact cagctcgagg ttggcaagcc 120
 cctccccctc gttgtccacc ctgcccagcg cagcaagtcc ttcgaggtgc cctgttccca 180
 caccttcaac gaggcccaga tcgagtgggt caagaatggc tctgctctta acaccatggc 240
 caagactagc aactaaagaa agaacgaacn aagacganca atttgatttt tattgggtca 300
 caaacggcgt acatcctgat gctctcatgt tgggttttga gantaacagt anaagggtct 360
 atcaatggaa gttaaattgtc ttttacattg actgcccatt ttttattaca tnattgtnc 420
 agggagtacc atgcttcatt aattgtacaa aatcaaaaatg ttttaactact tcnat 475

<210> 780
 <211> 485
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = A,T,C or G

<400> 780
 agttngggta tcttnggtct agagactata cttcaaaatg aagcaaagat tctcttcgnt 60
 ggatgtgaaa atcattgcac atgagctcca ggagcgctg gtgactcttc gactctccaa 120
 tgtatacgac ctttccctcca aaattcttct cctcaagttt gcgaaacctg acaataagaa 180
 gcagcttggt attgacactg gattccgttg tcactctgaca aagttcgcac gcacaaccgg 240
 tgnnggcccc nnatattcgt tgccgcgctc cggaagtttc tcaagaccan acggttgacg 300
 gnagtttagc aagtaggcac cgatagagtc ctccaatttg agttcagcga tggcaatatc 360
 gcatgttctt agagttnttt gntggcgagg acatcatcct cacagatgcc gatttaaaca 420
 tcttggcctn ggganaaccg tnttcgaagn gaaaggngang aaccccaacg agttggactg 480
 caata 485

<210> 781
 <211> 470

<212> DNA
<213> Fusarium venenatum

<400> 781
gttgtgtgct gctgttggca tcatctttat cgttgcattt gtactgttag gctcagtact 60
cacggcgctt gtggatatctg taacagttgt gatgagtgtt gtggacatta tgggcagcat 120
ggctttgttc aatgttttct tgaatgccgt ttccttctgc aacctcatca tctgcgtggg 180
tatctcggtt gagttctgtg ctcacattgc acgagctttc atgtatccat cgcgcaccgt 240
gatggagggc aatagcaacg ccttccgtgg tcgtgatgct cgagcttggg ccgctcttgt 300
taatgtcggg ggattcgtgt tctctgggtat cacagtcact aaacttttgg gtgtttctgt 360
gctcgccttt acacgattca agattttgag atctactact tccgagtttg gctgtctctt 420
gtcgtattgc cgccttcat gcccaatctc ctgccgttg ctccgagtat 470

<210> 782
<211> 600
<212> DNA
<213> Fusarium venenatum

<400> 782
acggcttcgc gagaaagatc agaagaccgc gcccggcctc acccatttct ccgcatacat 60
catctacatc ttctcttaat atatccagct ccaagttgcc cagtatggcc gctgctgctt 120
ctgagagctt catccacctg gcgaggcctt tggcgcccaa taccgtcggc ctccagacta 180
accttgcccc gctcaactgt aacatccagc ctcaggctgt cctttccatc ctcgaccacg 240
ccgtccgacg agacatccga gatacccaat ccacccgagt catcggcgct cttgttggca 300
cccgatctga agatggcacc gaagtcgagg tccgctcatg ctttgccatc cccacaccg 360
aggaggagga ccaggtcgag gtcgatgttg agtaccagaa gaacatgctt gctttgactc 420
tcaaggccaa ccgcggcgag tctctctcgg ctggtacacc acctctcagc agcttaacag 480
cttcagcgcc ctcatccaga acttcttcgg cagccctgac accggcactt tccccacccc 540
gccattcaca tgaccatctc taccgaagcc tgggcgaaga tattcagtct cgatgctaca 600

<210> 783
<211> 516
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 783
acttacgaga ccgctcaaaa ccagttcatc actgtagatg gcatcaaatt cgcctacaga 60
cgcttcggcc aaaccaatgg tgtgcccctc acattactta tgcaactttag gggaacaatg 120
gatcattggg atccagccct cataaatccc ctcgctgcta agcgacccat catcatgac 180
gataatgctg gcgtaggtcg ttcagaagga caagttccca aacagtactt cttatgggcg 240
cagtactaca taaatgttct gcgagcactc ggcggtgaca agactgatgt aatgggttnc 300
tcaatgggcg gatgcgctgc gcaacttgtc gcctnacggc anggncttgt acgtcgctga 360
tttttgcgga accatgcccc gcagnggcga aggtccgnac cagcaccgcg ttnccacttt 420
aaccttttaa ttggggccaa gacagaggng gaccnaaaan tgccttcatg ataanatgtt 480
ggacatcacc atagcanagc ccaggcaagt tcnttg 516

<210> 784
<211> 588
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

```
<400> 784
agaatcaacc cctctgcgag atattcaacc acttcttctt cgtcttcacg gcattcactt      60
tcatcactta agccctgtga tatctaaagt catctcattg aaacatacac tgacaccctt      120
ctctgaaagt cactgggaac attgagctcc caacttactc aattgattca cctacttcat      180
cccagctgcg aactcgctcc tccgttcggc acctcgtcga ctagctgcag cttcacgctt      240
atcgtcacgc cgttgggact tcatctgaaa ccatggccaa actcgattct acttccaggc      300
tcacccacct gaagggcttg atgaangaac gtaacgtcca agtttacatt attccttctg      360
aagacagcca ctcatctgaa tacatcgagc aatgcgatgc cagganagct tacatctcgg      420
gattcactgg ctctgctgga tgtgccgtcg tgaccatgga atctgctgcc cttgctactg      480
atggccgtta cttcaaccaa gccgcattct aactcgacga naattggacc tacttnaaca      540
agggcttcaa natgttctac ttggcaggat tggtcngngg acaatctc      588
```

```
<210> 785
<211> 615
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G
```

```
<400> 785
agtacgaccg catcatggag aagaagatga ctacccccac tgaggtcctt tgccgtgggt      60
tccctaacct gtttgccatc tacctgaact acactcgatc ctttcgcttc gatgacaagc      120
ccgactacag ctacctccgc aagatcttcc gagacctctt cgttcgtgag ggtttccagt      180
acgactacgt cttcgatttg accgtatata agtaccagaa gaacgctcag gctatcgcca      240
ggctgctggc aagccaaccc cgaggatgac gagaaggctc gtgccagccc gcaccaatgc      300
cgctactgcc ggccagtctg ctgctaagcc caacgctatt ccagcactcg ccgcaagatg      360
cttgagcgan gctctggcgc ttggcggtga cactccgaca ccaaccgtgc cattgggtgg      420
aagcacagga tgtgagtata tggncataac aggtctcntn acttcaagga ccggacatgc      480
ctcggcagtn tcggcgaatg attcaaaccg ataccctttt tttttnggat cttatatggg      540
accgttnttg cgatcaacca aattgnatcg gtnaagtttt gaagtgggtga tttgtgcata      600
tttgccatga cgtnc      615
```

```
<210> 786
<211> 2096
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(2096)
<223> n = A,T,C or G
```

```
<400> 786
cgatctttcg cgaaaggcaa ggaagggtcca tatccccatc acattttcca catcatcaag      60
tataaagcaa gccgtctctt cccccaagc tggactttac tcttcaccag atcagacaca      120
aacaagcaca agaaaacaac actcgcaaca accaccactt taaaactcat tctcaaatac      180
tatcaacctg aaacacttca cttccaaatc catcaccaac acaacaaaca cantggcttt      240
cttccccgcg aactttctaca actccgacgc ttccttcacc cctctcttcc gcctccttga      300
cgactacgac agctactctc gccagggaac caacggaaat ggcaactcgc gcagcggcct      360
tagccactgg cagcccaagt tcgatgtccg cgagactgga gagtcctacg agcttcatgg      420
cgaactccct ggtatgaaga agtctgatgt tcacatcgag ttcaccgagc ctgagactat      480
gctcatccgc ggcaagaccg agcgcactta cactgcccgc acacctcccg ctggcctcgt      540
cgaggacact gaagcccagc gcgctatcac cgacaacaac gaggaacaca acaactccca      600
ccacggcact gtcgaagatg aggagcaggc caaggctcac ganaccagca ctgaggtcac      660
tcaccacaaa aagccccang anggtngana anaagcctgn cgaccaagtc caagtctggc      720
tcaccgagcg caagtttctg ggaagttctt ttcgcagntt caacttttcc tactcgtgta      780
```

gaccaagata	acgtattttag	agtcctttaa	ttcatatcgat	ggtagtcttg	agcatcgtgg	840
tccacaaagg	ccaaaaagca	cgaatcaaga	acagtaacga	gaggagtcca	ttaacctcgg	900
cacaaaacaa	tcaatcacat	tatagattaa	aaaaataatac	atacttgctt	ctaaaggccc	960
tagtttatgc	aaatacaaac	atcgcttact	tgcggcgggt	ctgctgcatc	atgagaatct	1020
ggaccatgcg	gatgaagatg	ttgaggaagt	caagctcaag	agagatactc	tcattaacgg	1080
ggtcacggcg	catgacacca	gcctgagcga	gacgggcgtg	gtgcaggacc	ttctggacat	1140
cgaacagagt	gaaaccaccg	aagacagcga	gacccaccgt	acaaccagag	gttttcagt	1200
aaagcaagag	ttcggacagc	agtggcgggg	atgatgagag	gagcaagacc	ggaggcagca	1260
acgatagcgg	caccagcaag	aagaggacca	ccaatgtaga	ggtacttctc	ctgcttagca	1320
gtggcgccga	caatagcaag	accacccatc	atggcaatgg	tgtanagacc	agcccgcccc	1380
aaaagaacgg	gaggaacgaa	ggcgagaana	gggncgacaa	agncagcctg	ggtaggcgtg	1440
aagcagtgca	aagagcgtac	tttggaata	tagttgtcag	ggctgataga	ccgagttcca	1500
atcatggtag	caaagctgag	agcaagccac	caatgccaac	caacccaagg	gttggtaacc	1560
ataattcggg	acacaaagcc	agtttgaacc	atttgtcgag	ccgtcaatcc	aatgatacca	1620
attccaagtc	cagtgtgcaa	gaagggtgtg	ttcagggtatt	cgcgctcgta	gacgggcatg	1680
ccgcatcct	cacgagtcct	acggttgaag	acagcggtta	tggcgacaag	agtaccacca	1740
aagatggcac	ctccgaccaa	gagtcgtcgg	ctggttgact	gaggggctgt	tgcgacacca	1800
gtagggggac	cctgggtggt	ataacgaccg	ccggcgcgac	tcgttcgctg	gaaggcattg	1860
cggatggcag	tgggtgtgat	gcgcgaggtg	aagaagttgg	ctgtgggctt	ggcctggacg	1920
tgggaagctt	gggcggatgc	ggagttgcgg	aaagcagtc	ttgagagctc	aggaagcctc	1980
tgcgcaagac	gcgcagggcc	ctggcgacga	gtgaggggtg	atgacatcgt	cgttcgttct	2040
gtcgtgtcag	tcgtcgatcg	ataatgcagg	cgtttacaaa	ggaaaatggt	gaagcg	2096

<210> 787

<211> 544

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(544)

<223> n = A,T,C or G

<400> 787

aaaacggctc	gccaacgaca	gcggaacac	ctccgcccag	agttctatct	agcacaacgg	60
gaagcgactc	ggtgacgata	acgtttgaca	acagcagggt	gacaagaacc	caatgctttc	120
cacggtttta	caacttgagc	acacgggttc	cgttcttaga	ctgcgattcc	gcagggtcgc	180
cggataaaac	ctggagggtta	atactgtctt	gtcccatcaa	cgcaattgtc	aatccagcaa	240
aagcaccacc	gagaagaacc	aaaaccatcg	aggcgacggc	gaggacccaa	aggctggtag	300
cctcgccctc	ctcttcatga	tggcctttgg	tgtcgattgg	aaaggcggac	acagntgtta	360
agctggcgcc	aaaaactcga	cccatgccaa	tgacagccgg	ccgtattgag	cccatattat	420
atnntcggag	cgtgtgccat	gatgacagta	tgattgactc	gagagtcgtg	cccccgatat	480
cgatgataga	tctcgcaccc	aaangcgaaa	cgggaagcgc	aanagtcgtg	tgtcaanaat	540
aaaa						544

<210> 788

<211> 620

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 788

cttcgcccag	ccgtcaccac	caaatttttc	acgtcgacaa	cctcaaccgc	cgcaaagatg	60
gtcaacatgc	gcgttcagta	ccgncgacgc	aacggctaca	acaccagctc	caaccgaacc	120
cgagtcaatc	aagactcccg	gtggtgatat	ccgtctgctt	cacatcaaga	agcgaggcac	180
tgtccccaag	tgtgggtgac	tgcggctcca	agctctctgg	tatccccgct	ctccgacccc	240

```

gcgagtactc ccagatctcc aagcccaana agaccgtcca gcgcgcctac ggngggttctc 300
gatgcggtaa ctgngtccgn gaccgnattg tcgagctttt cttatcgagg acanaaaatc 360
gtcaagaagg tgttgaagga gcaggagcag agccagaaga agaaataaat gcaatcctaa 420
tcggatttgg ctttctgcgt gggaaatggca aggacctctt ggggattcgg ttcatgtctt 480
tggtgttcat taggcaaaaa gggactgaat gcatgataca tcgggcccgc gccagaatgg 540
atggccctct gctgtcttag gactgtctact atcctcttgg tgacttgaat gacaaaagaa 600
catcaagctg ggaaaaaa 620

```

```

<210> 789
<211> 524
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

```

```

<400> 789
ggccatgaga gcttcgttta cagtatcaca agtctcccta caggcgaact ggtcagcgca 60
ggagaggatc gcaactgtaag agtatggaaa ggcaacgagt gtgtacagac cattactcac 120
cccgccatnt ntgtatggac agtggcggn aaccccgaaa ctgganatat cgttacaggc 180
gccagcgata gcattgctcg cgttttcaca anaagccctg aacgtactgg tgacnacgcg 240
atgcttaagg agttcnaana atccgtcaag tcgtcatcna ttccccaaca acaagtnnga 300
ggcatcaaca aggagaagct ccccggaacc gacttctgac ttcaaggntg gtccaaggng 360
ggtaagttc aaatgatcaa ggaggacaat ggtgcccgtg acttggtaca catggtncat 420
tgaccnacaa caatggggta attgtcgnaa catcttnatt ctttcgggat ttcttgaaa 480
aaggtcnata cacggaaaaa agtncanttt tttttntgt ttat 524

```

```

<210> 790
<211> 490
<212> DNA
<213> Fusarium venenatum

```

```

<400> 790
gttattctgt acaagttgct cgatgagaca tggggacatg aaggatacct gagatggctg 60
atgaacttgc ggctggagta taccaagaag cgaaatgcc tcttgccgc gtgcgaagat 120
catctacca gtgacctcg cagctggacg cctcctgtag ccggcatgtt tatgtggatc 180
aatattgatt atacaaagca tcccaggga ggaaagcgaa gtatcatgga tatagaggag 240
gaggttttca actcatgcat tgagaacggc gtgctcatcg ctagaggctc atggttcttg 300
actgaaaagg acaaggcacc accaggactg ttcttccggg cgacgtatgc atccgccaca 360
cctgagaaca tgaacaaggc catcgagaag tttggaaaag ctgttaggga tagctttggg 420
cgaaagtgaa gtacttaggt agatctatat cgcttgaaat tataagcatg caccgagttt 480
gatatggcgc 490

```

```

<210> 791
<211> 356
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

```

```

<400> 791
agacgagcag aaagttgttg agggccgtca aaagtacnac gccgnattgg caganaaaat 60
cctatcagca gaggtgaagc ctgaactgat tgttctcgct ggttggatgc acgttttctc 120
gactgctttc cttgatccca tcaaaaaggc gggcatcaac atcattaatc ttcacctgc 180
gcttcctgga naatttgacg gagctagtgc cattgagcga gcctatgatg aattcaaggc 240

```

cggacgacta acacgctcgg gtatcatggc ccactacgta attgctgagg ttgacagggg 300
 tnctcctatc tgggtcaagga gatcgagtgg aagggtgaga gtctaaaaaa ntataa 356

<210> 792
 <211> 608
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

<400> 792
 gttattgcag aggcgtgatt tatcacaagt caacattctt tgcgcctgag acctgattgt 60
 cttaaggcct tatattcttc atctagaagg cgagacacgg accctgttct gtcgctttcc 120
 cctccattca gactcttgat ctccagctgt ctccaaaatc caacgggttg ctatctgact 180
 acccgcccaa catgagtttc gccggcatgc taaacaggct tcacggccag cctgagagct 240
 acgataagaa atccaagtac aagttcggtc gaaccctcgg tgctggaaca tatggagttg 300
 ttgcgcaggc cgatggccta ccggcaagggt tgcagtaaag atcatcctca gcgaaatgtc 360
 aanggcaacg agcagatggc tatgacgaac tcgagatgct gaanaactca agcaccctat 420
 atcgcaagtt gtcnctgggt gagtcnagga caagtctaca tcgtnccagt tgntctggcg 480
 gcaacttttg accgatttca acaggnaagt taccaaaaaga tccccnaacc tnaacaagtc 540
 tttgntgcaa ttctcccaga cacatgtcat angattaagc tgnaactttt tactaanaaa 600
 acctgatn 608

<210> 793
 <211> 660
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n = A,T,C or G

<400> 793
 cgcattcccc agtcattctc attgccaggc gcaaaccgga tccgataaga actacaacaa 60
 tgttctctgca acgctccgcc atcactgcgg ctgcgcgctg cgccgcccga cctgctgtcg 120
 ctgcacactt tgtaacctcc gtcgctcgcc gtgatgccag ccgccctgcc acccccagcg 180
 agcaggctgc tgctcttgct ggcactgccg agaagaaggt tggatcctac aaggctcctga 240
 aggagatcca gactgaggag gatctcttcg gtcctggtgc cgccccgggt accgtcccta 300
 ccgatctcga gcaggccacc ggtctcgagc gtctggagat tctcggttaag atggagggtg 360
 tcgacatctt cgacatgcgc cctctcgagg ccaccgcctt cggaacgatg aaggacccca 420
 tcatgggtcc atctgctggt gaagagcagt ttgctggttg cactggtttc cctgtcgact 480
 ctcacagtgt tacctggctc ggcattaccc gcgagcgccc tatcgancga tgccccgagt 540
 gcggcagcgt ctacaanatg gactacgtcg gtccttgagg acgatcacac cacaccacct 600
 tctgagtttg aggagcccaa aattttggcg attacattaa gccttgagta cgatcaataa 660

<210> 794
 <211> 699
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(699)
 <223> n = A,T,C or G

<400> 794

cttctacaag	acattgactc	atacatttga	atacttgtac	atcaccaa	at	60
atatactctt	tacaaatctg	aatatgctat	cctccagtaa	tatgatgcga	actagcattc	120
ttcggccagt	taggctgggc	actcaaaaca	caacacttct	cgcacgctca	acaacagcaa	180
taatccagac	aagtcgccaa	aacttttcat	ctaccagaag	aacgccttgt	acaagctgcg	240
tagcttctgg	gtgtcagcca	tgtgctcgtc	acggctcgaa	aagtcgtggc	agtgcgaagta	300
gcataccac	aagcttcaac	gctaaaaacc	tacgcaaagg	tgcagcttat	gccactacag	360
caagtcggat	ccctactgag	cagtgggcac	aggttttaga	aaagactggg	ggagctgttc	420
aatataaaaa	gatcccagtc	cctacaccag	gatcagatga	ggttttgatc	aacatcaagt	480
acagcgggtg	ttgtcataca	gatcttacgc	ggccaacggc	gactggcccc	tttgctgcca	540
agatccctnt	agtggggggg	catgaagggtg	caggcggttg	taatagcacg	aggtgaagct	600
gggtcaaaaag	acgtcgaaaa	taggtgacca	tgtagggtctc	aagtggcttc	atgggctcat	660
gcattgattgg	ngagcaatgg	tccccagtc	aacgaatct			699

<210> 795
 <211> 632
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 795						
ctcactctcg	ttcgtcaaca	tgaagtactc	taccgtcett	gccttggtcg	gcctcgccgc	60
cgcttccacc	aagaagcctc	tcgtcaatga	gctcaagctc	caaaaggaca	tcaccctcaa	120
gggtctcatg	gctggcgctc	agaagcttca	ggacattgca	gaggccaacg	acgatacccg	180
tgtcttttga	ggcaagggtc	acaacgccac	cgtcgactac	ctctacaaca	ccctcaagtc	240
cctcaactac	tacaatgtca	agaagcagcc	cttactgag	ctgtactctg	ccggtaccgc	300
ctccctcaag	gctgacgggtg	atgacattac	tgccgccatc	atgacctaca	cccccgctgg	360
tgagtcttct	ggtgctctcg	ttgttgcttc	caacctcgga	tgtgcgggca	gcgatttccc	420
cgccgagtc	actggcaagg	ttgttcttgt	taagcganga	gaagtgtgct	ttctctgcca	480
agtccaccaa	cggnaaaggc	tgtggcgctc	gctgccgtca	tcgtctacaa	caacgttcct	540
ggcgaaactca	acggtaccct	cggggagcct	ttcgngaat	ttcgctccca	atggcggcac	600
cagcctcgag	gatggtgaag	ntatccttgc	ca			632

<210> 796
 <211> 470
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

<400> 796						
nacaaggacg	gtatccccga	cggctggcag	ggacttgact	gcggcgagga	gtctgtcaag	60
ctctacaagg	aggccatcgc	cgaggccaag	actatcctct	ggaaccggtc	cccgcngtg	120
ttttcgagtt	cgagaagttc	gccaagcggc	acaaaaaggc	cnaccctcga	cgccgtcgg	180
ggacgcttgt	ncagaaggac	cggcaaagat	tgntatcatt	cgggtgggtg	gtgacaccgg	240
caccgnggcc	aagaantncg	gtgtttgagg	acaagaataa	gccangtctt	ttancggcgg	300
tggtgccagc	ttggacttct	ntaaggtaaa	gancttcccc	gcgttactgc	tcttgtcaag	360
ttgggcaagc	caaggtttgt	ctgnagcaaa	ccagaaaaaa	aggtaattga	ataccaaaat	420
accattana	ngcgtaaaac	cgnaacaaaa	aaccacancg	tgtncaaagg		470

<210> 797
 <211> 452
 <212> DNA
 <213> *Fusarium venenatum*

```

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 797
aaanacacga cacatcatca nccgcgacac catctctctg atgaaggagg acgctatgtt      60
ggtcaacacc tcgcggggcg gtctgctcga caccgaagct gttattcatg cncttaagac      120
gaaccatatt ggtgggtctg ccctcgatgt ntatgaggca gaaggaganc tcttctataa      180
ngatcattcg tccaccatca tccaagacna taagcttatg cgtctcatga ccttccccaa      240
tgtggtagtg tgtggccacc aggccttctt cactgaggag gccntactg anattgccga      300
gtgtntcttc atcaatctcg aggaatggat agagagcaag acgagcaaga actctctgac      360
caaggatcct aagctgcgac gtcgtgactc actgcccgtc cgcgccattt aaatgtggnc      420
ttgttncttc caattgctat tgtttgtctt gc                                452

```

```

<210> 798
<211> 566
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 798
acctcccaac atcgtgtttt tttcacttta acataaaaaa caacctttta acattaaaaa      60
cccaatnttt atttatttgt ttggacaatg gacaatggga cacctagggg ggaggtcgta      120
gtacccccct atgttttctc ccctaaataa ccccaaaaat ctaagaaaaa aagacctcaa      180
aaaggtcttt aattaacatc tcaaatttcg catttattcc aatttccttt ttgcgtgtga      240
tgcgctgcgt ccattaaaaa tcctagagct ttgcaaccga aagttaatag ctgtcgctac      300
tactttcgct tacgctctaa gtatatatta aggactgtca cacgcaaaaa gttttctcgg      360
cataaaaagta cctctacatc tctaaatcgt ctgnacgctg nttctcacgc tttctatcga      420
ccttctggac attatcctgg gacaacatcc ataaactgtc ccacacgctc gaatttggaa      480
tcattaaaga atttctcttt aagcctatta aaccctttct caaaccaggg ggaaattcgg      540
cctgcgagca cgatataaag gtcact                                566

```

```

<210> 799
<211> 307
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

```

```

<400> 799
nccaacctcg catctaccta tncactttta cgaggccatc atgtcgtctc ccttctnnat      60
aaacgngngt gcctgtgtcg ccattggtcgg caaggactgt gtcgccatcg catgcatct      120
tcgccttggc cttcaggccc ttaccgtttc caacgacttt cccaagatct tccagtacgg      180
cgacgtcttc ctgggtctga ctggcctgct accgatgtga acaccgggag cgacctnttc      240
cgctacaagg ttaacatgta ccgcctgcgt gaggagcgcg atatcgccac tcgtacattt      300
gcaacct                                307

```

```

<210> 800
<211> 621
<212> DNA
<213> Fusarium venenatum

```

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 800
 cgaagatggt gccaaagggtc ttgacgagca gatcaaggcc aacggcggtc ttgctagcca 60
 gcaggatctc ttcaagcagg ctcgctcccta catctccgac atggtcgcta ttgatgtcaa 120
 ctaccgctat gttaaccgta tttctggacg aattgctcct tacattacaa gctttatgaa 180
 ggatgctgag gcttgccaga aggttgccga tgctgttcag aagcactacg tcgaggagga 240
 tgagcgcaaa tacgggtgtc ccgaaaagga ggatgacggg gaggttgaga tcgtcaacgc 300
 cgacttctct ctgcgctacg gtgggtatgt tctcctgtcg cataccaact tgcgacttct 360
 caagggccac cgctacggtc tttgcgggcg aaatgggtgt ggaaagtcaa ctcttatgcy 420
 aagtatcgcy aacggcaagc ttgaggggct ccctcccag gatgttctcc gcacttgta 480
 tgtcnaacat aaccagggcg aggatgctgt atcacattct tgagttcgtt gcaaggaccc 540
 cganaattgc ccacaaggcc ttgagcgtat tttccgaggt tttngccgan ttcggtttcc 600
 ttgtnccct naggntcaac a 621

<210> 801
 <211> 861
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(861)
 <223> n = A,T,C or G

<400> 801
 ctgaactcta caacattcaa gcttttatca taaggcagac cttgaaagac tcaataactt 60
 tcaatcctcc tctctctccc aacctttctc cttcttcgac acatctccgc aacatcatct 120
 tggtttaagc ctgcacccaa gcgagacgaa tccatccatc cgcctaaacc caggctcgccg 180
 ttgcgcgttc gcttcccacc tccccacctt acacaacaac ggcagactct tcgcccata 240
 tgaagggtcac tttcaaagat ctcaagcagc aaaagtctac gctcgatgtc gagccctcag 300
 agttgatctc tgccgtcaag cagaagattt ccgcccagaa gggatgggaa cctcagctgc 360
 agaagcttat ctactctggc aaaattctca aggacgatga gactgtcgga tcctacaata 420
 tcgaggagaa gggctttgtg gtctgcatgg tgaacaagcc caagcccaag cctgccgaat 480
 caagcgctgc tctcctgct acaccgcgcg ctctcctac ccgactccc gctgcccagc 540
 tgctcccgcg cagtcttcat ctcagcaggc tgccgttccc gcaacaccca cccctcagcg 600
 ctctgctgat accggacctg aagagccttc gggcctggct atgggatctc agcgtaccga 660
 ggcgattgcy aatatggagg ctatgggttt tgagaggagt caaatcgagg cggttatgcy 720
 cgctgccttt aaaaccccga ccggtgaaa aatacctgnt taatggnatt ccgacaacat 780
 ccgnaagaa cagcaacaac gcgaggccgn ccnnggagnt cctgcttttt aaccatttaa 840
 acccgtggcc gccgttctta a 861

<210> 802
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 802
 attctttcgc atcaaaacttc aacttttttt ctttgggttt ggaaataaaa cagttttcct 60
 ctttcttca tagcgattcg ctcttctctc tctcttctt atagaatggc ttcctccaac 120
 aaggtgtttt ccctcgaggg aaagggtctc aagctcgaca ctgctgagga tatcgaggct 180

cacattgccc	ctcttcgata	tcaagatgtc	gaggagggtc	gcatttttggg	caacacccta	240
ggtgttggcg	cctgtcagcg	cctgggtgag	gttctcgcga	caaagaagaa	cattcgtatc	300
gccaaactttg	ccgacatctt	caccggccga	cttctgagcg	aaatccccga	cgctatctcc	360
tccctcctga	cctccgtctc	aacctcccta	agctcaacac	tgtcaacctc	aacgacaacg	420
cattcggctt	aaacgtcaag	cgccctctcg	ggcattcctt	tccgacacgt	tcctcttcag	480
cacctgtacc	tgaacaacaa	cggcatgggt	cctcatgctg	gtattcttat	cgccgatgcc	540
ctgtccgagc	ttcacggcaa	gaangaaggc	cgcccgaag	gaa		583

<210> 803
 <211> 500
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 803						
caacccttcg	actaaccat	ccagcaacaa	tggccgctga	tactcccgcg	aagtccggtc	60
tggccgttgg	cctcaacaag	ggccacaaaa	ccaccccccg	tgttgtcaag	ccccgtgttt	120
cccgaaccaa	gggccacctg	agcaagcgaa	ctgctttcgt	tcgcgaggtt	gtcaaggagg	180
ttgccggcct	tgctccctac	gagcgccgag	tcacgcagtt	gtcccgcaac	tccaaggaca	240
agcgtgcccc	taagctcgcc	aagaagagac	ttggtacctt	cggccgtgcc	aaggccaagg	300
tcgacgagct	ccagcgtgtc	atcgctgagt	ctcgccgtgc	tgggtcattaa	atcgcttaat	360
ctgatttctg	ggaatctggc	accaaattggg	tttcgcatgg	attggcgtgg	tcacggtatg	420
atcaattaaa	aaataacggc	tttgatgctc	cgtggcaggg	aaagctgcgg	ctnaccggaa	480
taccaacact	ttcaagcaaa					500

<210> 804
 <211> 663
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(663)
 <223> n = A,T,C or G

<400> 804						
cgcggttgcca	ccacaacgac	ttttcgacga	ttcatctcac	aaattcgaaa	tcattggccga	60
cacagcagaa	gcagaacaag	ttgagatggc	gccggtcgct	gagcaagaga	accaggagat	120
gacagtagcg	acaacaaata	acgaagtcgt	ggcgccctact	ggaaagaagg	tcgtcaagaa	180
gattatccgc	aagaagaagc	ggcctgcgcg	agcccaagtc	gaccccgatt	tcttcacaac	240
agaacccccct	ccccaaaccg	gtacgatctt	caacatctgg	tacaacaagt	ggctctggcgg	300
cgatagagaa	gacaagtatc	tatccaagac	caaggccaag	agtcgctgca	atgtctcgaa	360
agacagtggg	tataccaaag	ccgacgcgat	accggggagc	tttttctgct	tgcgttttgc	420
gcgtggaatt	tgcccccaagg	gtcaagactg	cgactatctt	catcgacttc	ccggaacata	480
cgaacatttc	aaccctaacg	tcgattgctt	cggaagcgac	aaggctctccg	actaccgaga	540
tgaaatgggg	tggcgtggga	aggttcatga	aggcacaacc	gaacagttta	cgttggggag	600
aattcacgtc	ctgntgatat	tgaagagatc	gnngcgccga	catttcncaa	aatgggggtct	660
ggt						663

<210> 805
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(622)

<223> n = A,T,C or G

<400> 805

aaaaaccgac	aaacacntat	tacgtgtcgn	cgagcttaaa	aaccgaaaca	atatccataa	60
cattatctac	taccgcactc	agcatcttnt	ttctccaagt	caagcttatc	aacaaccatg	120
tcgtcatcgg	caccnccacc	cacggtcgat	gcncctgacg	agcancagan	cgatacctcc	180
aagttgnnaa	catttctggg	tatctngaag	aagttcatgg	gcgtttcgga	ccttgacgca	240
gtcatattct	cactgccgnc	gcagttgctc	nagcccaccc	cgaatntgga	atactggacc	300
tatatngatg	ctcccaatgc	cttcgttgcc	atgggcacct	cggacgaacc	ttttgatcgc	360
atgctcgagg	nggccgtttc	tggttgacca	aagacctgaa	gtacgccaaa	ggaaggccat	420
gcaaacctta	caactcatgc	cttgngaat	tntttnggtg	caattggnaa	actgaanaca	480
acccccana	gatcgacaca	tccaccttaa	acaaaaaaaa	ngcatcaccc	agggcggaact	540
ttnagccttg	aaggcttcct	nttagaacac	aaaaacaatt	caaacctttc	gtttttgngc	600
ctaacatggc	nctacaacgg	an				622

<210> 806

<211> 481

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(481)

<223> n = A,T,C or G

<400> 806

aggaccactg	cgacttcaag	aagctccgct	ccattctgat	ccgaaacaca	catgctcgac	60
cttateccaca	ccaccgagga	nttgcatcac	gangcctacc	gcgcccagca	gatggagacc	120
gcaagttcgg	cgaggccgct	cccgaagct	cgacaacccc	aagttcaagg	aggagganga	180
ggcctccgaa	agcgattcac	cgagcaggtc	nagatcnaag	agcagcgctt	ccgacaatgg	240
gagcagaanc	tcatttccga	ncgcgaccgt	ctcnacaagg	atctcgagca	aacccacgct	300
cagatctagc	anctcgagca	ggactggaca	natcanggca	gtgctgtcgc	agtcatggac	360
gccgctaagc	gacatcnagt	agacgtaatg	cntgcatgca	tggtctgcagt	tggacagtcc	420
ttcnatttct	tttactggan	ctcantttgg	gggttggagt	ggaaaaatga	aangtcgaga	480
a						481

<210> 807

<211> 644

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(644)

<223> n = A,T,C or G

<400> 807

ctcacttcga	acaacgtcga	gattaaacca	tacgacgcta	tctttgagga	ttctcaagca	60
ctccacgccg	ctgttgccgc	aaagaccaag	gctgatgata	aagccccaa	gggaaacttc	120
ctgatctcta	acaaaggctc	atgggcactt	aagcgagctc	ttggaggtga	ctcttcggtt	180
gatgagatca	gaagtcttat	tggtgatgca	aaggccatca	agaccgaggc	cgaactcaag	240
ggtatgaggg	actgccacgt	gcgggacggt	gcttcgctca	ttcaatattt	tgcttggctc	300
gaggatcagc	tggtgaacaa	gaagggtaca	cttgatgaag	tcaagcttnc	cgacaagctt	360
gaggagcttc	gcaaagaaaa	gaaggacttt	gttggcttat	cggtcccagc	tatttctcta	420
ctggtgcaaa	cgctgcgac	attcantacc	ggcccagagc	tggnaaatgt	gccataattg	480
acccgaagcc	atctaccttt	gcgaatctgg	gctcaatacc	gngacgggac	ccagacacca	540
ctcgnacact	ggacttttga	acgccaccgg	ttcttgaaag	ggaagcgtnc	cttttggttn	600
tgaangggca	catttttttt	aaaccaagcc	tcttttctta	aggn		644

A **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z**

<400>	808									
cgcccaaac	gtcaattgaa	agccgaagcc	ttgcaataat	ggccgccctc	cgatctcaga					60
gtgcggctcg	tatgetgcga	ancgccgctg	ttcctcgagt	cgcctctcc	gccgtcccc					120
gacnattcca	gagcaacatc	acctcggcc	ntggtaccat	cactgggtccc	gtttccaacg					180
agcccgacta	caacatccan	gctgataaag	ctacctccac	ctatacccc	gtccctcgat					240
cgatccaaga	tggtagcgaa	gagatccttc	ccgcagccat	tatctcaggc	gctcccatgg					300
agctccaggc	ccgaacagtt	cgcattctacc	aggaagccaa	gcccgcctacg	cactccggtg					360
actggcgctg	tcgacctggc	gaatggactg	ggatattctc	cccagggaca	ccgatgggag					420
aacctctgat	nqgctggcaa	tcttcagtga	ttcatgcagg	gaaatctctc	aacttc					476

```
<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G
```

<400>	809						
nactcacant	ccaatccata	ttnaagtcga	cagaatggga	aaatcttnan	aagataagcg		60
cgacgcttac	taccgtttcg	ccaaagaaca	nngatggcgt	gcgcgaagtg	catttaaagct		120
gctacagctc	gacgaggaat	tcgatctctt	cgccgatgtc	actcgagtcg	ncgacctntg		180
cgccgctccc	ggaagttcgg	cgcaagtact	ttcccgtgta	ctaattaagg	gagagaagtt		240
tggcggqcnt	gcttgncagg	ataaggaagc	c				271

```
<220>  
<221> misc_feature  
<222> (1) ... (647)  
<223> n = A,T,C or G
```

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<210> 811
 <211> 627
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 811
 gcctaactgg aagagacgag ctcaactatt ggctgcctac accagagact atcagttggt 60
 ttatgatagc aggctcttgg taagagcatt accggaccaaa acttntttac cgtcgaatct 120
 ttgtcattta aatcctcaca atggcctccc aactgctacc cctcgagctt atcgacaagt 180
 gtgttggtc gagaatttgg gtcacatga agggcgataa ggaattcagt ggaacactcg 240
 ttggattcga tgactaccgt caacatgggt ctggaggacg tgactgagtt tgattactcg 300
 ggaaccaca ccaagctacc caagattcta ctcaacggta acaacatttg catgttgatc 360
 cccggtgggt agggcccana aggggctgct tcaggttgag aaggaaaagc caaagaaaca 420
 ccgcaagcca attcaatcaa tcaagactca tgacgagcat ttcccccaac acggaatcaa 480
 aacttcgcgc ccttatctta atattgngg tgggacattt gcatcaaaaa gaattagggt 540
 cgcagtngc ngctcaaaaa agtcctaagc attgagctca tcccanttac atntggcaaa 600
 aataaatata gtattctacn nccccca 627

<210> 812
 <211> 288
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(288)
 <223> n = A,T,C or G

<400> 812
 tgggttgaag ggtatcaaag gttttgtgaa ccaagcgtg gtccccgagc aaatggcggt 60
 gcccaaacca agtggtgaag gtgatgagtt ggtgctcgtc tgcggacctc cgctaattgt 120
 taaagctgcc gaggcaacat ttatagggtt aggttttaag tcggacgatt tggatttttt 180
 ctgattgaat aagcgtaaat agggaaaggt tattaaaagc atagaaatat aatgctttgc 240
 atnaaggcgt tgcattgtgt aatagaataa atgattttga gtcccttc 288

<210> 813
 <211> 577
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 813
 ctctcgaagc cgtccgaggt tggctagctg ccaacctaaa tacttcaaca cgaagtcctt 60
 cagatcatct ctcttcttcg cttcttcctt tctcttgca ccccgcgag ccagctctgc 120
 agctcttggg aacgttccat tcacgcgttc cggctctattg ggcacgtggt tcctcaagct 180
 tgcctctacc gctggaggca aggaagaact ttacacgtgg aaaaaagtta cctcttcagt 240
 catcggtatt attaccggaa acccaacagt tgacaactat ggtgttatgg agattaagaa 300
 ctggacgaca ggcgaagtgg ctcatgtcga atttaagcca cgtggctgga angcatctag 360
 cgcatatcaa gtatctggaa angtcactga tgcttcggcg aaagtgcgag tcagtctcgg 420
 tggctcgtgg aactccaagc tgtacgctcg cctaaccagg ggttacgaag cagcaatcga 480
 tgaatcaaag gagaatggtg ccgatatggc acacagcggg ctctccgaac ccaaccgggc 540

gtatctcatc tggaaagnaa acnaacgggc aactgga

577

<210> 814
<211> 666
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

<400> 814
gtcttgttca tggcctatga aaacatgcca atgcttcaac ttcaactctt aaaccactta 60
tcctcggcaa ttggaagcc ggggagaggc aganacagaa natactgaag catgaggcgc 120
atagactcca tgatgtacat acatcgatgt ctggactaa cattgttggtg ctacaatggc 180
cacctccatc aagtccatcc gagctcttgc tcccctcctt gaccgtgtcc tcgtccagcg 240
tgtcaaggct ganactaana ccgccagcgg catnttctctg ccgagtgcca gcgtcgagaa 300
gctcaacgag gccaaagtcc tggctgttg ccccggtgcc ctcgacaaaa agggtaaccg 360
tctacccatg ggtgttaccg ttggtgaccg tgtcctgac cccaattcg gnggctctcc 420
cgtcaaggcc ggcgaggagg agttccanct nttccgcgac agngagatcc tggccaagat 480
caacgaataa gatacccnta tatcaaacca aacaataacc agcctgtatc atactgtcca 540
tatcacaagc gggggcgtga gaataaaact ctactgantt gcttganaag ggaaaanac 600
ggagttattt gtnatgtang cncaaaaaac cacagaccat tntgcaagag atntcttcat 660
ttaaat 666

<210> 815
<211> 536
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 815
agtgaagtca cgcgtcttca aaaaggtgat cgcgtctgcg tgcaacctat catctacgac 60
aatgagtgcc gctcgtgcaa ggcgggcctt cagaactgct gtgataaaaa cggtttcatc 120
gggttgagtg gctggggagg tgggttgccc gaatcaactg ttgtgccgca ggatgctgtc 180
aagaagctgc ccgacaatgt gtccctagaa gtccggcgtt tagtcgaacc gcttgctgtt 240
ggatggcacg caatcaagat ctcaccctac gaggaaggca actcggcttt tgttgttggt 300
ggcggaacaa ttggactggc tgttggtgcag gctctcatag gacgtggatg caagaacatc 360
atgctgagcg aggtcagctc caagagacgc gagtttgcca agaagtttgg tgcgcatcac 420
gtgttcgac ctacaaanga cgatgtcgtg gcgaatgttg aaaaaatttg acaggagggc 480
tgggaacaga tgtttggttt ttgacgctgc angctcgcaa caagctattt gatgta 536

<210> 816
<211> 541
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 816
cccagcttgt ccgcgcggga aaacgtcatg gacctggcct cattatcttc gctatcattc 60
ccataacggc attcatcttg gggacatggc aagccaacg cctaggctgg aagtcagagc 120

tccttgccaa	atttgaagac	cgtcttatcc	gcgaccctct	acctctacca	cccaccatcg	180
accctgatgc	cattcacgac	ttcgattacc	gccgcgtgct	agcaacaggt	catttcagac	240
atgaccagga	gatgcttata	gggcctcgca	tgcgttgatg	gcacagacgg	atacatgggt	300
gtttacgccc	ttggagcgag	anaatggcac	aacaattcta	ttcaacagaa	gttggattcg	360
aaccagaaac	cccganacca	gaagacgaaa	acccgattga	ttgccactgg	tgaaattcnc	420
atccnaagga	ctcctgaaaa	aacccatgaa	aaaaaaaaat	nttttcnccc	cgaaaaccan	480
ccnnaaaagg	catnttttat	ttcccgaatn	tttaaccnaa	aggctnctt	gaaccggccc	540
c						541

<210> 817
 <211> 1053
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1053)
 <223> n = A,T,C or G

<400> 817						
acaatntttt	ttatcttgn	tccatagcca	atcgctaaaa	aaaaatgcct	tcaaacaatg	60
ctgcatggct	cgttgccgca	aagacntcac	cattcgaggt	gaaggaagct	cccctctctg	120
aagtcgctca	aggccacatc	ctagtcaaga	actcagccgt	ggccatcaac	cccgtcgaca	180
ttgcnaccca	gcatgttgg	atttttat	ccgagtctca	ataccctgtc	atcctcggan	240
aanatgtcgc	tggtactgta	gaggcagtcg	gctctgatgt	caccaatttc	cagccgggtg	300
acagagtctt	aggctacgcc	acttcgctcg	ccagcaagga	caatgcgaac	agcgctttcc	360
aggagtatac	atctattcga	gccgattg	cctccaagat	tcccgaacgg	ctttcttttg	420
aacaggctgc	tggtctgccc	ctctctctcg	ctacagctgc	atgggctttg	ttcggcgatg	480
ccacgctcaa	gatgaaattc	cccagctctc	accccgagcc	tactggtgaa	acagtcctca	540
tctggggcgg	tgccgccagt	gtcgggtgaa	ctgcaattca	actggctaaa	gcagctggct	600
acgaaagtca	tcaccactgc	atcaaccaag	aaccacgaat	acgtcaagag	cctcggcgct	660
gaccacgtct	ttgattacaa	gtccccacat	gtgaccaagg	acatctgctc	actgctcatg	720
agcaagaagc	tcgcaggagc	attggaggcc	agcggtaacg	aagaagccat	gaatagcgcc	780
agccaatcca	ttgctcacgg	cgatggtttg	cgcaaggtta	tttggtccg	cgtcctcaa	840
tcgcagctgc	cagaagttaa	ggctcagccg	atcatgtcaa	caagtattat	tggtacacca	900
gttgcaaaag	ctgtttttgg	agattacata	cctgatgctc	tggaacaggg	caagttcagg	960
gcggttccgg	aagcgggaag	cgttggaaaa	agntttggag	tctgttcaag	ttgggtatta	1020
atacttttgg	ccaaangggg	tttcaacaaa	gaa			1053

<210> 818
 <211> 660
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n = A,T,C or G

<400> 818						
caatatcata	aattcaagat	gaaggttcag	gatcgtagct	tcatagtctc	tggcgggtgca	60
tcgggccttg	gtcaggcttg	tgtagaggat	atatgcgcca	acggcggtaa	tgtggccatc	120
ttggacatga	acgaagaatc	cggccaagaa	ctagtcaaga	aactctccac	ctcaaccaag	180
ttttttgagt	gcaatgtttt	ggagacggag	agtgttacca	aggcagtcga	agatgctgcc	240
aagtgggcaa	aggagacggg	caagcctttg	ggaggcgtag	tagcagcagc	tggtgtttct	300
acacccgcaa	cgattcttga	cgggaatggc	gctgccttta	gcttgatga	ttttgatttt	360
gttctcaatg	tcaacctccg	cgggtaccatc	gacctcgccc	gccagactct	agagcatctc	420
gccaaagtag	aacctcaagg	actcgacggc	gaaagaagcg	ttgtaatcat	ggtagcatca	480
tcggcagcat	ttgatggcca	aaagggccaa	gtttcttact	ctgccantaa	gggcgctgtg	540
acggccatga	ctttcccatg	gcaaganacc	tcgccgattt	ggaattcgag	ttngngacaa	600

ttgcttccaa gtctttttta naacccaatg anaaaccgtt ttccccaaaa angncaaaat 660

<210> 819
<211> 547
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 819
cggcttcaca agcccccaa actcaattca aaatggcaca aaacgatcaa ctgcccagagt 60
ttcagcaatc ttacacaaat gatctccctc acgattcana caagactntt gagcgtcana 120
caacagctgc tcaccaagct gctcaccctc atntctaccc caatcctcaa cacatccatc 180
ccgcattcgg nggtgctatg caaccaggtn tttggaagcc tgtagaggcn caccgnaagt 240
tcgccaaccc tgctcctctt ggactatgctg ctttcgctct caccactttt gtccgtgcat 300
gcatcaacat gcacactcgn ggagaaacgt ctcccgtat tgctattccc gtggcttttg 360
cttatggagg tcttgccagc ttttggctgg aatgngggaa atggccgttg gaaacacttt 420
tggtgctacc gccctgtcat nttacggagg tttctggatc tcctacggtc tnttgctgac 480
tccnccctgg aacgtcttgg nggtgatgga ccttaatgan gggngacaca cgcttggtca 540
tgggttt 547

<210> 820
<211> 590
<212> DNA
<213> Fusarium venenatum

<400> 820
aacatagctt ccgaaacgaa tgcttaatat ctccaataga aagcctgtca tttacagatg 60
aactgcttgt ttccaatgcc cgtcacgtga tatgatttcc atgctgaact ctgtcaggta 120
gcttccatca ccaaagcatc aactttacac tcaccaatcc ccaattaat cgcacactaa 180
ataacacagt caaaatggcc gatgttgaaa tggacgtcga tgtcgaggcg ggctctcccc 240
ctcccccg gcgcaacgaa tccgacatgc aaacacacac taaagccacg gccgtccgct 300
ccatcgaagg ctggatcatc attgtaacaa atgtccacga agaagccgac gaggaggctc 360
tgcaagatct ctttggagaa tacggagaga tcaagaacat gcacctgaac ctcgaccgaa 420
gaagcgggta tgtcaaggga tatgccctta tcgagtatac aacgctggag gaagcccag 480
ctgccataga cgggcgccacg aacacaaact tctcgaccag accatctcgg tggactttgc 540
tttctgtcga actcctcccc gcaagcctgg tcgtggaaga agcgtggtg 590

<210> 821
<211> 494
<212> DNA
<213> Fusarium venenatum

<400> 821
aacgcattca ctctctccat ccaaaacgca ccgagctcca tactcgccgt cattgaccaa 60
tctccccctc cttaagtcaa ttcctcatca atcaattcaa aatgtcggac gacggtcagg 120
agcttggtac caagcccttc aagtttgtca ctgctggtac tgatgctcgt ttccccaa 180
tgaaccagac caagcactgc tggcaaaact acgtcgatta ccacaagtgc attatcgcca 240
agggcgagga ctttgcgccc tgccgccagt tctggctgtc ttaccgatcc ctctgcccc 300
ccggctggta ccagcgttgg gatgagcagc gcgaggccgg caacttcctt gtcaagctcg 360
acgcttaagc tcaacttgta gatatggaat agtggatgat gttagaagat tcagagcaga 420
cacactgcaa ttgtatcatt tgtgaaaatg ctttaaaagc taaccccaa tattgactgt 480
tgtgctttga aaaa 494

<210> 822
<211> 586
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 822

ggagattgcc	caggatcaca	acaaggaggg	cgctgagggc	gttcagggtca	ttgatgcccg	60
acctcaaaat	cgcttctactg	gcgaggctcc	cgagccccgc	gaaggtctct	catctgggtca	120
catgcctgga	tctatcaaca	ttcccttcag	ttctgtgctg	gatcccaaga	ctaaggcttt	180
ccttcctagg	gatgaactca	agaaactttt	tgctgagaag	ggtgtcgatt	cgcaacatcc	240
tattgtctca	agctgcggta	ctgggtgtgac	agcttgtgtt	atcgacactg	ctcttgagga	300
ggcggagtt	ggatcacccg	aattcaggaa	ggtctacgat	ggtagctgga	cccgagtggg	360
cccaacgggt	gcaaccttca	naaaacctga	ttatcaaaac	agcaaaagag	taatacgacc	420
tggtagttaa	tctgtaaaaa	gtcngnatac	ctggtagttg	agctgcgata	cctcattaat	480
gatggcctgg	agntgctagg	cgccgtacga	agaacatgca	tccccatncc	tctatnggtt	540
caaggcactc	tgctgngcaa	cgactttngt	tttttgcgat	gggaag		586

<210> 823

<211> 225

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(225)

<223> n = A,T,C or G

<400> 823

ncacctgtcc	cgtaggacagn	nctgatatca	natcccttgn	gtntgagata	acaagggggc	60
tgaccttaan	atthtttcagg	gccganccgt	nttcngctgg	gtgcgtgaca	atntaaacta	120
cagnttntac	tataatacga	agtaccgcgc	aatgggnnca	ctcaaaaaca	ggacacgtta	180
ctgtgtggac	cacacacacc	ttcttgnttg	ncttggnnaag	gctgc		225

<210> 824

<211> 620

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 824

cggccttggc	aagatccccg	cctttgttgg	cgaggacggc	ttcgccctct	ccgagtgcac	60
cgccattgcc	atctacatca	cctcccagaa	cgagaagacc	actcttctcg	gtaagaccaa	120
gcaggactat	gcctccattc	tgaagtggat	gtccttcttc	aactctgagg	tccttcccaa	180
cctcatttct	tggttcagcc	ccctcaaggg	cgagtctcct	tacaacaaga	agaacgtcga	240
cgatgccatc	aaggctaccg	agaagaactt	cgccgttgtc	gaggcgtacc	tcctccacaa	300
caccttcctt	gtcagcgagc	gtatcactct	tgccgatctc	ttcgctgttg	ccatcgccac	360
ccgtggcttc	agtacttctt	tgataagcaa	tgccgctccg	agcaccctgc	cgtcacccga	420
tggttcgaga	ctgtgcgagc	cagccccattt	tctctgaggt	tgctgagaag	gttgacctnc	480
tcgacaccgt	tactctgacc	aaccctccaa	gaaggccgac	cagcctaaga	aggaggccaa	540
gaaggaggct	aagaaggaag	ccaagaagga	ggccgctncc	gctgccgntn	ccgctgctgc	600
tnccgangct	gacgaggcct					620

<210> 825

<211> 650

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

<400> 825
tttttttttc aagannccnc aatcaatata tatcattgat ttttttctac atagacgcac 60
atcatatgag tcaaacatga tttttcaaata catctcttta cgccgagcca acaatctcag 120
taccagcagt ccgcccgtac acgacacatt ccagcagcga agatcctccc aggcgattat 180
caccatgaat accaccagta atctcaccag cagcgaataa accaggaata ggcacaagct 240
tategccgct cttcttcaac acacgagcct tctcatcgat agcaactcct cccatgggtga 300
agtgtgtaat gggcgctact ctgccgacgt aaatatcttg ggctcgattt ttctctccgg 360
gtggaagtgt ccaccttcca cgttgtgtac gaacaaactc atccgctgac ccggcagcga 420
cagtttgggc atacttatcc acagcaacga tttgagcgtt gggtagatcg cgcattttga 480
cctttttgag gagacctttc cattcgtaga aactgatgtg gttggccgac gcttcaaaag 540
caccgggatac gagaagaatg gttatgtccc actgtttgat cataccgtcg ccatcagtgg 600
cagttggaag cttcataatg gcattgctaa cgtgttcgag ggtattcttc 650

<210> 826
<211> 671
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(671)
<223> n = A,T,C or G

<400> 826
cccaaattcg tccaactggt ttcctatatt gaacacngta aaaaaaaaag cccatcgcaa 60
gttcaagctg catcggtcta tcgcatcatc acctacacat tgctggtcgc gcaatagctt 120
gacactactt gagctaccct gaatcgcatc actagactac atcaaacacca ccaatctcta 180
tttctcaaaa ccatccctca gaacaccgtc aaaatgccta aggctgctgc ctaccggaaa 240
gcggtgctacc agaaccacca agcgtgccaa gaaggacccc aacgccccca agcgtggtct 300
ctcagcctac atgttcttcg ccaacgagca gcgtgagaac gtccgtgagg agaaccctgg 360
tatctctttc ggtcaggtcg gcaagctcct cggtagcga tggaaggccc tcaacgagaa 420
gcagcgtgct ccttatgaag ccaaggctgc cgccgataag aagcgatacg aggatgagaa 480
gcaggcttac aacgcccagac aggaggagaa gaagtcttcc tagaaagaag tttccgatat 540
caaaccaagc gtctctcgag aagggtgaaat ctgattcgat antcccaaca ccantgccgn 600
tttgcaagtt ctggcaggaa gtccctcttt ttgatctcgt ctggcggnnt tttttgatgg 660
ncaagaaaaa t 671

<210> 827
<211> 706
<212> DNA
<213> Fusarium venenatum

<400> 827
aatttagcaa acgtcaacgg ccaactgctgc tttctcaact tcctttctac actctcctct 60
caacctcacc tcttttcccc ccaaagacgt ttattccaag cgcttcttcg cattcttttc 120
atatcagaca ctatggccga gcctatccgt ggaaagcgtg ctccaggacgc cgtggctcct 180
acgcctcaga acaactccgc aaccgcggct cctatctctt ctccagccca gcagcctggt 240
gtcgctagca ttaaggagga ggatottgac cgtgctgccg cggcctctgt tttcgcccaa 300
aaccccaagc ttatccagat gattcaaggt cgctcggct ccctcgtggg ccaatcttcg 360
ggctacatcg agtcccttcc cgccctgtc cggcgacgtg tcgctggtct caagggtatc 420
cagaaggacc acttcaagct cgaggccgag ttccaggagg aggttcttca gcttgagaag 480
aagtacttcg ccaagttctc tcctttttac gagaagcgtt ccgccatcat caatggaaaag 540

tccgagccca	ctgaggacga	gatcaaggcc	ggcgaggagg	gcgatgagcc	cgagactgag	600
gatgccccca	agtctgagac	aaagtccgat	gttcccgcaca	atgtttccgg	tatccccgag	660
ttctggcttt	ctgccatgaa	aaaccagatc	tctctcgccg	agatga		706

<210> 828
 <211> 584
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

<400> 828						
tgcgatctct	actacataac	ccccagtttg	ccaacaccaa	tgctatgcaa	gaaattcctg	60
agcggcgagc	ccattacccc	aacggaacga	tgatgttgag	gatatcattc	gcaggaaggc	120
tctgggatga	gaagcgcgat	caagagcaaa	agcaattcta	tgaaatcgcg	aggaacgagc	180
tgccgaactt	gacgagtaca	tggaacagtt	ccgccgcgac	atcgtggagc	gcaacgggac	240
ttactatgct	gttccaggaa	ataaaggaaa	aggagaccat	tcaggatctt	agcatccagt	300
atcgaaagtt	tgccgagtgg	cttcgtatcg	agattgccgc	cgtcatttat	catcttttcc	360
ttgccgaaag	acaactcccc	tgagcttttc	gcccaggcca	gacgcattca	ctctcttata	420
ccatactcag	tcatacaaga	cttattanga	tcgcaaacca	gcngccgtta	tgtcaggcgt	480
tctcgatatc	tttctggctc	accatttggt	acacgatcgt	tgatgcagaa	gatcttttnc	540
tgacactgaa	cgatggaatc	nagactccca	aaatcgatcg	atnt		584

<210> 829
 <211> 572
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(572)
 <223> n = A,T,C or G

<400> 829						
gcctgcagtg	gacaagtggg	ggattaaggg	tctgcagacg	ttaatgcata	actaccccca	60
ctaccacgcc	atggttgctg	gcatggaccc	ttcttcgttg	ggacttgaca	taagttctcc	120
agagttggtt	tctacacaaa	actactcgct	ttttgacgac	tcacctcccc	gggtaccact	180
tgctaattggc	aaattttgat	tgccggactg	ttacaatgtg	acaaatgtgc	agccaatcga	240
gagcaaaatt	gctagcttca	acgaagagac	tctatttttg	atctttttaca	gttgtacagc	300
ggatgtaaag	cagcaaatgg	ccgcgggtcg	gctacattcg	agaaactgga	gatggcacag	360
aaaaatggaa	atctggctga	ccaaagatga	gcatatgact	cctcaaatac	tgagccccaa	420
ccacgancga	agtttctaca	tagtctggga	ccaaacaatt	ggcgaaaaga	tcgcaaggan	480
ttcacactgc	actatggcga	cctagatata	cattgaacca	ggcgcaagtc	ggaacatgaa	540
ngggtgtggt	gccctgcctg	ganacaattt	tc			572

<210> 830
 <211> 237
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(237)
 <223> n = A,T,C or G

<400> 830						
ngcntttaac	cntnagatgc	anaaactggg	ctataccaaa	gcctctgggt	tgccacctgc	60

acataccccg	gtnggctctg	attcctgtca	atgtaanggc	ttcagtgaat	nggccgctgc	120
aagtatntgc	tcccttgtga	accctgaatn	gccactggca	gcatcgatnc	tgcccggaat	180
tgctactggt	gggtgtggag	gatttcacan	aatttactgc	gttcagtttg	atgtggt	237

<210> 831
 <211> 586
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 831						
caatattctc	acaagtacgc	gtatcgcggt	ctcataccca	tggaacaaggc	catcgaggct	60
gtcggcgagg	agagagcccg	aaatgcgtgc	atgcatatgg	gacctgatgg	ccatatattg	120
acattccaag	tcaaccatgg	cgagaagttg	aacattgtcg	ccttcoggac	agacccaaac	180
gagtgggaca	accccagcaa	gatgaccaag	actgctcatc	gccaaagtgc	tcttgatgac	240
tttaagggct	ataacagcct	tgtgcgaaat	ctcctcgcac	ttacagagga	gacgctaagc	300
atttgggcca	tctttgacac	tggtgataat	cccgtcccta	cattctacaa	aggcaggatg	360
gccatcctcg	gtgacgctgc	ccacgcctca	agtccccatc	atggcgctgg	agcanggttc	420
tgcatagaag	acagcgcagt	catggcgagan	ctattggccg	atgaaaaagt	gcagaaccgc	480
tctgacctan	aagcgggtgt	tgcagccttt	gacgcctcca	gaaaggagag	gacacaatgg	540
ctggtgcaga	atanccgatt	cgttgganat	gcttacgaat	tggcga		586

<210> 832
 <211> 560
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(560)
 <223> n = A,T,C or G

<400> 832						
cctaccctta	ttgtccctcc	catccctgag	aagcacacca	tggtctgatta	tgctgccaac	60
ccaaccaatg	cgaagcaaga	tcaacagatc	attgatttgc	gtaagcgcat	gttggccgtg	120
tttctgaacc	gttgctcgccg	gatggaagag	attcgaacag	atggagtctg	gtggcgattc	180
cttgaccgga	atgccagctg	gagcggagtc	ctccactctc	atcccgtggc	ctcaatcccc	240
aaatcaatct	tgaaggcgcc	tccactgaac	cctgcgaacc	caactcctgc	gcataattac	300
ttacccatcc	cggtctgcgtc	ggcaaagtgt	aagacagtgg	ccggtaccaa	tcatgacaac	360
agctcaggtc	atatccaagc	aggaccccat	gcctttgggt	cgattttccac	ctgaaggaca	420
taatctcggc	gaacaggagc	tgcaccttac	ttcatatctt	acgaatcctc	gantaaggat	480
cttgacaact	tttgaccgga	ccatgggaaa	agggngatcg	acgaacctta	acctttttca	540
taatagcanc	catcnttgca					560

<210> 833
 <211> 590
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 833						
tgccttcta	aaagctctta	tgatgattcc	gaaaagagtt	ggaagaagtg	gtgccacaaa	60

<222> (1)...(956)
 <223> n = A,T,C or G

```
<400> 836
ggaattttttt tttttttttt ttttaacatc ctcaagcgta ccgttgcatc tcaacaatta      60
caagggctag acgtgtctca tccatatttg ttcggtgaac ccaacccttc tntgcaggag      120
aattactcta cataacctgt acgagtaaaa aacaactacc tattccgaga gatctcctga      180
acctggaatt tgaatttccg aaactccctc cttttacgca gcaaatgcgt ccagttttta      240
tccagagttc cacaaccggc acctgttaag atgctgcagg gtgtggggat tagaaaccat      300
gagatatgtc cggtagagac gttaatttac ggccattgtc ttgtttgtcg aagctcaagg      360
gtggatttaa ggcttaacct cccggatggc tcctttggca tcggccttga tgtcctcaac      420
gacaccgtgt agcccttctt cttctcggac tcgtacttga gaattcggga gacttgaacg      480
acaccaacca gtccgaggaa gaagttgacg gcagcaagga ggtagttctt gggcttgatg      540
atcaagcacc agcgagtcca gatgatacca gtgcaggtaa gggcgagggt ctgggtgaag      600
gagagcttct cggcgggacg agcgaaatcg gagataccgg caaggacaag agcccacttc      660
atgacaggag cccagaagtg cacagtcttg aagccaatct cgctctcata catgcgcttg      720
aacagaccct gctgctgctg ttgggcgcca tcgggtgctct gccatcgacg gccgctgcc      780
tggtagaagt tctgtcggaa ggtctgctgg cggaaagcct ggcgagcagg ctgagcaatg      840
gtggcctggc ggaagagagg gcgcgaggcg cggaagagag tgtttgcgga cgaggccatg      900
gttgatcttt tggtggagag gagatgcttc ttcggacggg acgagttgta taggta      956
```

<210> 837
 <211> 626
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

```
<400> 837
ccgaacgtcc cttgttgctc acccatccaa cgattctctt accaaaaatt ccgttcgaaa      60
aaaataaggg gtcctaaatc tcgttaacga cacttctctc accgaaccga atccccaaat      120
atctccattg tcactctcct gaactcaatc catcctcatc cccatcgggt tgacttagct      180
tgttcctgct cttatcaccc cgacgacgcc ctctcgatcg ctgtaaccgg ctacatttcc      240
acccatattc aatcgacgac aacgacatcc cgacgcaata cccagatctg gggcccgtag      300
cagactccag atccgacatt atttccaatc gctttcgaga tcataagcaa tctcgaagct      360
atataattga ttcattatga gcgcaaattc aagcaacggt atccgcagga agttgggtcat      420
tattggtgat ggtgcctgcg gcaagaccag tttgttgagc gtatttacgc tagggtagct      480
tcctacacat tatattccta cagtgggtga gaactacgtg acggattgca aagtggaccg      540
caaggctgtc cagctcgctc ttttgggata ctgccggaca nggaagacta ccagcggatt      600
acgaccctt gcatatttna aaggnc
```

<210> 838
 <211> 615
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

```
<400> 838
gcgaggcgct attctagcca gcggtcgctg aacacatcct caaccctttt acaaaaccca      60
tttcccaagg taaccccagt acctccgagt ttatgtccat cgaaaatctc aagacctacg      120
accccttcgc cgaagccgac gaggacaccg ganaaaccaa gcagacgcag aattacatcc      180
atatacgcat tcagcagcgt aatggacgta agactttgac cactgttcag ggtctcccca      240
agaagtttga ccanaagaag attcttaagg tcatacaagaa naaatttgcc tgcaatggca      300
```


ccatcgtaa	cgactccgag	atgggagagg	tgatccagcg	cttnttgac	caccaactgc	360
ctggctcctc	tcgccaaggt	catcaacgac	aagttcggtg	tcgttgagg	tctcatgacc	420
accgtccact	cctacactgc	caccanaan	accgtcgatg	gtccctcccc	aaagactggc	480
gaggtggccg	tgggtgcttc	caaaanatta	ttcccttcac	accggtgccg	caagggtgtc	540
ggnaaggcca	tncctgaact	taacggnaag	cttaccggnn	tgtttatgcg	tgtcctaccg	600
ccaacntctt	cgttg					615

<210> 839
 <211> 558
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 839						
ctggaaaggg	agtggttggt	cctgctgtag	agcatgctct	caaaggcggc	tatcgtcaca	60
tcgatactgc	ccttatctgg	cgcaacgaag	aagcgattgg	caagggtatc	aaagcctcaa	120
gcgtatcacg	cgatgaaatc	tgggtaaccg	gtaaactatg	gaacacagat	catcgtcctg	180
agttagtacg	caaggctatc	gaaacctcca	tcgcgaatct	cgacgttgag	tatctggacc	240
tgtacctcat	ccactaccct	gtggcttggg	ttcctgagac	acgagaagta	gataacaata	300
cttctcttat	cgacacatgg	aaagctatgg	aagatctcgt	tcgcgctggt	ctgacgcgtc	360
atattggctt	ctccaacttt	gctccaaaag	actcaagaat	atcttcaaata	tgctagcatc	420
aaccttacct	cacaattgaa	ccatccttac	tccagcaaca	tccttgtgga	ttccagaaaa	480
aactcaatga	tccgcacgcg	ctccaacca	accgacttgg	gatataccan	ntctccacct	540
tctgacaccc	cgagaaaa					558

<210> 840
 <211> 758
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(758)
 <223> n = A,T,C or G

<400> 840						
ggaggaacat	cactcctccc	ctttcttgat	aggacttaaa	ccgcctcatc	ttacatccga	60
acaacacgac	ctttgtccca	tcgccagttt	cccttcgct	tttttcttca	acaaaacgta	120
aactttcgtc	gctcatcaaa	atggatcgca	tcaaggagaa	aatgaaccag	cttcgcctgg	180
aggccgacga	ggccagctcc	aagggtgagg	agctccagac	caagggtcaag	gctctcgagc	240
aggagaacct	gtccaaggag	caagagatca	cctccctgca	gcataagaac	aacctcctcg	300
agggtgaggt	cgagaagctc	gagaacaccg	ttaaggactt	caagaaggct	gccgacgagg	360
gacagcagca	cggaacccag	aacgagaccc	tccagcgaag	gctgcagctc	cttgaggagg	420
aggccgagga	cgccgacaag	actcttcgtg	aggccaacga	gaagcttcga	cagaccgatg	480
tcaaggctgg	acactttgag	cgcaagggtg	aagctcttga	gagtgagcgt	gaccagtggg	540
agtccaagta	cgaagagatg	tcgcagaagt	acaacgctct	tcagaaggag	ttggaggagc	600
tccagnccga	gattggcaac	atctaatacg	actccgacct	ttatacactt	gccccggatg	660
caggatgttt	attagcatgt	ccctcaccat	cantatactc	gttcacctgc	atnatncttt	720
ggttnaaggg	atctttgant	nttggccaaa	taaccaat			758

<210> 841
 <211> 513
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(513)
 <223> n = A,T,C or G

<400> 841
 gattagactt ctttgcgacc agaaacacca caagtccctc tctcagacac cacataaatc 60
 ccaatccatt cgcaatggct cctcaggcaa agaagtcggg caaggcccag aagcagacca 120
 agaagtacat cattgatgct tctcagcctg ccagcgacaa gatcttcgat gtcgctgcct 180
 tcgagaagtt cctccaggac cgcacaaagg tcgaggggcg caccaacaac cttggcgaca 240
 acgtcgttgt caagcagcag ggtgagggca agatcgagat cattgcccac aacgagcttt 300
 ctggctcgta cctcaagtac ctgaccaaga aagttttttt taagcagcag ctccgtgact 360
 ggcttcgcgt tgcttcactt ctgcgggggn tacgagctca agtcttnacg ttgttaccac 420
 gagntgacga gacgacagta acgaaacaaa tggatggntg cacggcnagg atgatngnga 480
 atgggaaacg gtncaanaaa tttaggcttg gca 513

<210> 842
 <211> 2198
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2198)
 <223> n = A,T,C or G

<400> 842
 ntcccctaga anccaaatna cncctccctta ttatnctnca tatcaagaca gctcactaca 60
 aacaattatg cgatccatac tcccagtcctc aactccacca cccgaactat gcccttactc 120
 tcgcgcatca gccagtcagg catccgcccga tgtcatccca ctgcttggtg acnatacata 180
 ccatgtcttc cacctcagca caccaccntc cacaaaaacac catcctcaac gactgagaac 240
 aacatggtca cgcttgcgat caacgaacct tctcgaatgg gaacggggacc cgcaacctgt 300
 gatatcccct ggagagtcaa gtaccgacct tgacgtgat ggcgctctgga cgggatgccc 360
 gtgntgactt ggatcagaac atgaatatnt tctatacggg atataacntg tttnggaacg 420
 gccaaacaaac aatctttcac accaaggctt ctgaccgtca tgggtacaagg ttcgactcga 480
 catcaaagcc aatcactatt ctccggcaatg ggctggacaa gtttgagcgt atcgattttc 540
 gcgatccgtt tgtctttttc aaccgcgcgg aaggagagata ttggatgctt gtcggcactc 600
 gcctcgccaa tggcccgtat tggagtcggg ggtgcatcgc cctgttgact tcacccgac 660
 ttgaggcttg gacagtgtca ccggagcctt tgtatgcccc caacgacgtc ttctgccccg 720
 aatgtccaga gttgttcaca atgcccattg ggaagtggta cctggtatat tcacgcttcc 780
 acgcacaaaa tgcaggaaca gtgtatcgca tggccnacac tccatatggt ccgtttcgcg 840
 tcccacgcna tgggtctcat ggacgcttg acggacgcgg ttggtatgca gccaatcat 900
 gcccaaaggc tggagaccct gacaagagga tctgctttgg ctggattggt gactatgccc 960
 acgacnaaaa caaagtggct ctggggaggc gatctcggca tcacccaaaat catgtgggca 1020
 aaaaacaacg cctgttttgc gcattgacgc ctctcaaaaag tttcgaaaatt atatatggcg 1080
 aacttctaga cctgtgtcgc ccggtgatgc tgcctccaaa ttgtatcttt gttctctcgg 1140
 gacganagcg acncattntt cccaantngg ggctgcggag tgggaaganan attttcatgg 1200
 ccaaggacat ttgaaataga agccatagct caatcgcccg tccttttagat cataaacatt 1260
 tggncggccn ttaaccctgtg aaaattcnta ataaaaacaa ggcatnttcc ttgtgccatc 1320
 aacaacaccg cccagaccga gatacaaaaa gatggacttc ctggccagaa tctgcaacac 1380
 ggcactggtg ttgggactaa tccgaatcag atttcacctt ctgagagcga cgcttggtgt 1440
 tgatatcgga gacttctttc taggaagact ctctctcctc ctggctcggc ttgtaagcct 1500
 gcttctcctc ctcgtatcgc ttcttatcgg cggcagcctt ggctcctataa ggagcacgct 1560
 gcttctcgtt gagggccttc catcgctcac cgaggagctt gccgacctga ccgaaagaga 1620
 taccaggggt ctctcaccgg acgttctcac gctgctcgtt ggcaagaac atgtaggctg 1680
 agagaccacg cttggggggc ttgggggtcct tcttggcacg cttggtggtt ctggtagcac 1740
 gctttccggt aggcagcagc cttaggcatt ttgacggtgt tctgagggat ggttttgaga 1800
 aatagagatt ggtggtgttg atgtagtcaa agacttatcg aggcgtgttg agtataggta 1860
 gagagggacg aatttgggtg naagaattgt atggnagaaa agagagttag agggaatgta 1920
 tggggagggc caaggcagcc tttttactat gggggagtga ttgtgcgtgg ggagggaaca 1980
 cggcctgccc agctaccaga cttggactgt tatgcaatng gctgggctgg taggctggag 2040

tgagcttgcc	ccccttcctt	ttttttttctc	tctctcctcc	ttacccttcc	cttcctcctc	2100
taagaaaatt	gggtgcgggt	gcggtgcgta	ttgctctgcg	gtgcgtgtgc	ttggagctgc	2160
acttgcacta	gtacagtcgc	agcagtcttg	ggtttgag			2198

<210> 843
 <211> 569
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 843	
gtgggggtaca	tccttcgatg gcagcgaggc gttaatgacc tctctgagaa ggagatcnac 60
cacatccact	acgcagcctt gtaccctctg gctggttggg ttttgcacta ccttcctttt 120
gttatcatgg	ctcgtgttac ttacgtgcac cactactacc ctgctcttta cttcgccatc 180
ctcaactttg	gtttccttat tgattggttc acacgcaacc gcaacaacac catcaagtcc 240
attgttttacg	gcgtcctgta cactgttatc attggcctct acatctactt tatccctatt 300
tgctggggta	tgactggccc ccacaaagag tacaagtaca tgaagtgggt cgacaactgg 360
cgagtcaccg	attaagggat gtatcatttc tgttgatttg agcaatcgct ttttctcgat 420
cgcattattgc	atgtgatcta gacagatgcc ttatggacca ccatgcaggc ctggttgat 480
tattcagttt	cgggaatggt tgcaaggata tagaattggg gggtcatgga aaggatactc 540
gcangggccg	gtttggcaaa gcgaaagca 569

<210> 844
 <211> 548
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 844	
ctgtattcag	atggcataca taagtaacta caaactattc acagtctggc taacaataat 60
attcaacgct	tcctcacaaa ctcccgccca aatgcagatg caagtttaan aaaagtcgaa 120
acggtcagga	aggacaacag gggccaccag tgtccatata tacatgccgt agcagaccca 180
agcactaaca	atcttgaccc agcttgctgc gtaagtaccc ccgacagttg caaagtcgcc 240
gtccttggtg	gactcatcga agttcatggg gagcaaggta nctaccagcagg cagttgctag 300
gaanaagatg	atgtggaaga cagtataact gtactgggtc ctgtttcgct cgtcatctcc 360
tgcgggggta	tcgccagctt cactctcgtc gtcggacaac aaaacatngg gagggcaact 420
ttcctctnga	cagctcggcg caaaacctcn gttttatttt acggggagca ctangctggt 480
gagttacaaa	naccatgttc gtcgtcctcg ggcagctgaa taccctgtaga gttgccgana 540
acaaaaaat	

<210> 845
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 845	
cacgacttct	cctccgacaa tatacaatca ccactctttg tatactctct ccggccacgt 60

ccttcctcgc	cgcttcggtg	gagcttcagc	gcaacctcaa	caacgccttc	gcttatgata	300
ttgtccctgc	tccctcggtg	attgctgccg	ccctcaaggc	cgcccgaagg	gtcaacgact	360
tcggtactgc	cgtccgcatc	ttcgaaggta	tcaagaccaa	ggtcganaac	aagggccagt	420
acgagcagta	cntcgaggac	tcaacccttc	cgagaaaact	tggcgtgcct	ctgaaggaag	480
actttaccct	gaagaaaaat	taatggtgcc	atatctccat	atcttgacct	tgtgtttact	540
ggatgttngc	cganacgaaa	ggaatccgac	ccaaagttna	cccgaatttt	gattgcggca	600
cccca						605

<210> 846
 <211> 831
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(831)
 <223> n = A,T,C or G

taaggctcgg	tctgttcatt	tttctttggg	ttaactcaac	ctgcacgggt	gagccctgtc	60
gctcatatcc	ttgccccacg	actctaacag	acaaaacgct	gcataatcaga	ttctcacagg	120
ctagaattga	aaggatttcc	ggcatttcta	gggaggtggg	tggccatcct	tgtttccacc	180
ttatggggac	ccggatgtta	cgataaacat	gtcatggcct	gtcagcagac	ctgtataaat	240
accctcaaac	acctcctgca	tcttagctcc	tccagcctct	cagcctcatc	tagactacaa	300
caccactctt	gagccgacaa	tcctcaaaga	tcacatcctt	tcaattaaac	actcttcaag	360
atgatgttca	agtccaccac	cgcggccatg	ctcntntttg	gagctgccac	tgccactccc	420
atntttggcc	gtgccgaggc	cagccagacc	aaatcggcct	ctcaatcttc	caagacaggt	480
gagagcagcg	cttatgactg	gtcagagggc	tggaccaagg	actaccccat	ccaccagtcc	540
tgtaacgcga	cgctccgtec	cagttgtcca	acgcttttga	tganaccgtc	cancttgcca	600
gcatgccaag	gaccacattn	ttcgacatgg	acacangtgg	gagtttttta	ccaaataactt	660
tggcaatgct	tctactttct	agcctatttg	atggtacgac	cgtgttgcca	acgccgacaa	720
gactggcgta	ctcttcggtt	gcgatgacct	cgacaagaac	tgtgctacac	aagacgcttg	780
ggctggacac	tggcgagggt	acaatgcccc	tncgaaacag	tnatctgccc	t	831

<210> 847
 <211> 620
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

ctcgtgactt	gggcccactt	tccatcttcc	ctttatcccc	aagaactact	ttgactttac	60
tttactttac	tacgactctc	gtctatatca	ccgactccgg	aacgccccaa	acattctata	120
aaaccctctc	ctcactactt	taccctgcta	ctcgtcgaat	acgtccatcg	cgccagctcc	180
gatacttttg	atacccttca	taacccgaca	tcggaaccca	gtcccaaccg	ccatcatgag	240
tagccctcgc	cgcanaatag	agacagatgt	catgaagatg	ctcatgagcg	actacgaagt	300
cacactttgt	aatgacaata	tgcaagagtt	ctatgttagg	ttcaaaggac	ctgaanaaac	360
tccatttcga	ggtggaacat	ggaaggccat	gtcgagctgc	ccgacacgta	cccttacaag	420
tctcaagcat	tggctttgca	atcgcatctt	tcaccctaac	attgatgagt	gtctttactt	480
aatcgacctt	ccagtagttg	gtctgctcgn	taaaaaacttt	aggtctgggt	tantgtgctt	540
ggatgtnatt	aaccaaacct	ggtcccatg	ttcganatga	ncaaacatttt	ganggcttcc	600
tccttaactc	cttngatatn					620

<210> 848
 <211> 469
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 848
 atcgcttcgt ttcgtttcgt cacgtctcca gtcgcgcacg aatcgcgaaa tacacatcac 60
 atcatgggca agcgcaaadc ttcaagcaag cctatggggc ccaagaagaa agatcccctt 120
 cccactactt tcgcatgcct cttctgtaac catgaaaact cagtctcggc caagctcgat 180
 aagaaagctg gtgtcgggtca actagactgc cgtgtttgag gtcaaaaatt ccagtgcgca 240
 gtcaactatc tatccgctgc agttgatgtt tatgggtgaat ggggttgacgc ggccgatgct 300
 gtcgccaagg aagacaacgc ggagcctgct atgggtggcag atctcgagga ggatctggac 360
 gangcaaccc gaacngcggc cgaagangac tacgacgacc aatcngagat gatgattatt 420
 aaacgttttt ttacgcccac gtacaatacc aagattgcta cgtcctttg 469

<210> 849
 <211> 830
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(830)
 <223> n = A,T,C or G

<400> 849
 attggacgct aagtcagcta tttcacacca acccctccaa cgtctttttt tacaactctg 60
 cctaccttct tcctatcatc actcaacttt tcgacatctg cttattgtat tgatacatta 120
 ttatcaacaa tgtctgtctc agataaggcc caacaatacc ttgggtcagc cgaccgtgag 180
 ctctccaagt accccgccct caacaacctt gagaagcagg ctgggtgttc caaggcctac 240
 gccgtcattg gtgtcggagc tctttacttc ttcctcatca tcttcaacct cggcgggtcag 300
 cttctcacca actttgtctg tttcgtcatt ccagctact actcgtcggg tgcctctttc 360
 acccacaaca aggaggatga tactcagtggt ttgacttatt ggggtcgtttt cgtctctctt 420
 accgttattg agagcttcgt ccaangtcgt ctactgggtc cccttttact tcgtcttcaa 480
 gttcatcttc ctctctctggc tctctctccc tgccttcagg ggtcgtgagc tcattttccg 540
 atctttcctg gtccctaccc tcggccgata cttccagcaa gtccggctct accgcctnan 600
 gtctccgtgc caaggctgac ggcctcnaca agaccganta aatggcaccg ctgtgtanct 660
 tgggtcgtaa tcaaactctg cgtatactgc gtgacccgga ccaagtnctt tcggnatac 720
 atgaacggaa aantgntgcc ttttggaat ggagtagctt tcaaaaataat gctgctcgat 780
 ttggaggtga acggatgana aggatcaaca tcaggattgg gaagtatcca 830

<210> 850
 <211> 528
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(528)
 <223> n = A,T,C or G

<400> 850
 atgtcttcat gccgaaacct ttactggtat tcgacaagat tccggtgac ctgctgagta 60
 caccaagtgg atgagagagt tttacgacaa gcagggtatc acagacaaga aggtcatcgt 120
 cttctctgac tctctcaaca tcgaaagatg cttggagtac aagaagagtg ccgacgacct 180

tggtttccaa	cccacattcg	gtgttggaac	ataccttacc	aacgacttta	caaacaccaa	240
gactggcaag	aagtcagtac	ctttgaacat	tgntatcaag	atcaagctcg	ggcggcggcc	300
cgccactgnt	aagaatagtg	acacgctgga	aagaacactg	gtgataagga	gaccgttgag	360
atggtcaaga	aagaacttgg	atatgttgan	cgtgagtgga	aggaggccac	naaacctngc	420
gatggggcaa	ggcgtaagg	aaaacaaatn	gaccagatc	caaggcgttt	ccgctacact	480
gagtatttca	ggatctntca	tcgctgacca	tagaattaag	ttaccacg		528

<210> 851
 <211> 390
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 851						
gtcctcagct	gggacctttt	cgatgagatc	aaggcccaca	ccaaactccc	catcatccta	60
anggggtatta	ccaccaccga	ggatgccctc	cgcgctgttg	aggctggagc	anatgggtatc	120
tggctctcta	accatggcgg	tcgccaaagtc	gactactccc	catctcctct	tgagatcgcc	180
tacaaaattc	gtcgtaatgc	ccctgaaatc	ttcaccaaga	ctgagggtcat	cgccgacagt	240
ggcatccgct	atggtagcga	tgatcatcaag	ctgttggtctc	ttgggtgtcaa	ggctgttggt	300
cttgagcgtc	ctttcatgta	ctccaatggt	acggcggttg	aggcccaaga	anctcatcag	360
atctcaagag	tgaaatcctt	gccgatgctg				390

<210> 852
 <211> 444
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = A,T,C or G

<400> 852						
cctacatccg	ccatcaaaac	catacaacgc	cgaaaacaat	ctcttgatat	tgacttatcc	60
ctcatctcgc	gacccatctt	ccccgacatc	gataccaata	ccgacaccga	caccgactcg	120
actttctccg	ctccgcttcc	cccccgctnt	cttacccgtag	ttgcgcgcac	ccgcccgcga	180
atagagcttc	gctactctcg	accgcttgca	tttgcgtttg	acagagncaa	gctcctgcac	240
aggagccttt	gagaggaaca	atggcggntg	tcgctactat	caagtgcgtc	gtcgttggtg	300
acgggtgctg	tggaanaact	tgtctttctc	tcagctatac	aacaaacaaa	ttcccatccg	360
aatatgtccc	gactgtcttc	gacaattacg	ctgtcactgt	tatgatcggn	gatgagccat	420
acactctcgg	actattcgat	accg				444

<210> 853
 <211> 578
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 853						
ctttcacgat	tctcactcat	ctttgtacac	tgtcctcgac	agctccaacc	atgctgtcaa	60
cctgtttgtc	gctaccgatc	tttccgaggg	caaccgtcgt	ggttcaatca	tcaagagcaa	120
ctccaatggc	acaacctatg	tcctgagtg	ttctaattgc	aacgctgatg	aactagggta	180

tgtagacttt	gagaaggttg	ctggtcttga	gggtgtcact	ctcatcaaca	ccgttgcaaa	240
ccccgaagac	aagaaaggca	agaagacaat	tcagaccaag	atttctcaca	acgatggcgc	300
tgaatggacc	tttctggcac	cgccacaaag	gatgtcgacn	gaaagtcgta	ttcantgcag	360
ctctctaggt	gatggcaa	gtgccttnaa	cttgnaccat	tccccgaccg	ganaacaagg	420
canaactttt	ntgnagcacc	gttggttgga	tganattgct	tacggaaaca	tcggttnagc	480
cttggagaca	ttanggtgcc	gatctttcat	ntcgcttncg	gnggtattac	ctgnaaaaat	540
gtaaaagggc	tttggaatgg	catatggana	cagggttt			578

<210> 854
 <211> 573
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 854						
aatcattgtg	gagggtctaca	aggagtttga	cacaggacgt	gaatacatgt	gcaggatggg	60
cgactggcgt	gaaaacaagg	atggtgaact	tcagcttgat	ggtattggcg	gcgtcaacat	120
cctcgtcaag	gcagacgtgc	atcgatcagg	catcaacttc	ccaccctacg	ctttcgagaa	180
ccaggcggag	acaganggtt	ttgccaaaat	ggccaaaacga	gccggctacc	aagtcattgg	240
ccttcccaac	tacatcgttt	ggcactacga	tacacaagaa	aanggcggta	acctatgaan	300
gctgcgggct	taaagcttgg	tttctganct	ggcttattac	gaaacaacct	cagcttgtcc	360
tgtctttctg	ggactacttc	aactatatac	gcagacccat	gacgttacnc	cngttgatgt	420
ttccaacatt	cntggaagtg	ctttgatgcc	agctctcact	ttgagcactg	ttcacaacaa	480
agcaacacca	tcttccatgc	tgttatcaan	ttgcgctoga	ttccgtcccn	atctattaca	540
tttctactac	aatctgcggt	gacctattgg	gat			573

<210> 855
 <211> 521
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = A,T,C or G

<400> 855						
cagtgtcgca	tcgggtgtag	gaggtcttgc	gcgcaaacct	ttggaaggcg	ccgaaacaga	60
gggtgctctg	gggattcttc	aagggtgtcc	ggtaagggct	ttattggact	ggctaccaag	120
cctgccgtcg	gagtactaaa	aatggccaac	aatgtaagtg	agggtattcc	gcaaatacaa	180
caaccgggtt	tgaccaa	ggattggatc	gcacacgata	cccacgatac	atcccacaag	240
atggcattgt	gcgcccgtac	aacccccggg	aagctctcgg	ccaatattgg	cttaagcaag	300
tggacaacgg	aagatacttt	gacgaacaat	acattggaca	tttggagcta	ccaaaggaag	360
atatggtcgt	tatgatcact	tatgctcgta	tcttgcttat	ccgatcacna	ctcttaccag	420
cgaattggac	gtgccactga	aggacntcca	nactattgct	aaggaaaaga	ctggctnagt	480
ttgtccctta	aaagaagaac	aatggacttt	tatcccgatt	g		521

<210> 856
 <211> 347
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(347)
 <223> n = A,T,C or G

<400> 856
ctggaggatc tggtcgcccg catgaataag cttgccaaag ctcgcaatgg ccctttactg 60
gaatacgacg atgtcaagga agtcgtcgaa gcgagagaca gtcaaattga caaccctac 120
gccaaagacg cccaggccat gtcctccac aacgcgagga catactggcc cgatcgctcg 180
agccgtgttg caccgccaca tcgccttcgt gacaaggctc acggaccgtt gatagctgtg 240
canatgaacc ttcttacacn aaagacgctc ggtggtatcg agacaaactt ggatagtaac 300
gttatgaggg ccgatggnac cccattccct gggctgtatg ctgctgg 347

<210> 857
<211> 587
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 857
ctctttcaga cggagtcgtc gtcggcagcc agatcatcac tacaattaaa aatgccgagc 60
ctggtcaagc cctttccgat atcgagaaan tactgtgcct acctgtcagg ccgtgactct 120
ggagattcaa aactagaga anttggcctt gttgaggccg ttgctggagc tagggagccc 180
agtggtgaca atgttactgt cagcgatact attacagatg cagatatcac tgccgaggan 240
gacagtgcct tgggtggcca gcttgctgct cttcatggca agatccctga gcgattcggc 300
gagttcngtg gtcaatatgt tcccagagag ctgatggact gcttgccca gcttgaagaa 360
gcttcaacgc gatcaaggac naccctcatt ctgggaagaa taccgatctt actacgaata 420
catgggacaa cggggccattt gcatttggct gancgaccac tgaacatgct ggaagtgcaa 480
catctgggtg aagcccaana ttgaaccccc tggcgctnca aaatacatgc tctgggacac 540
tctcttgccg ccgacttggga agancaatc atgccaanac ggtctga 587

<210> 858
<211> 534
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

<400> 858
agatggagca aatacctctc aactctgaag cttntgtggg tgatactcac aagcagacaa 60
catcgacact gcccccgat gtcgntcaat gtcttgataa tgctcgcttt cttcacttgg 120
caacatgcac agataacatg ccccatgttt cccttatgaa ctatacatc ctcccatctt 180
cgccttattc caactacca gtcctcatca tgacaacaaa cccggnntnt aaaaagacat 240
ccaacctggg gactaaccac aacgtatcgn tgcttgccat gattgggtct cccaccgacc 300
gccgactacg gncgcccacc gtnaggcggg tttctggccc gancaccgct gagtcttgcc 360
tactcttta aatatnacct gcancntnt atatcanccc acatagaggg gccgtcggtg 420
gngctagggg ctgaaaggan aatttntgng agcagatttg anacacnctt tgacaatnta 480
caccgatcnt tcacggaaac ggcttgtgaa gatgaagccg cggttnttct actg 534

<210> 859
<211> 571
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(571)

<223> n = A,T,C or G

<400> 859

gtactttg	cgc	gccaaggtac	ttttcgacat	tattcctctt	cggatcattc	ccccgatcct	60
catgggctcc	atcatatatac	ccatgacagg	actggtagcc	gactcgacgc	atttcttcaa		120
cttcacctc	gtgctagtat	tgttcaatat	ggctgcagcc	gctgtgtgcc	tattcatcgg		180
cattgtttgt	aaggatggca	gcgtggcaaa	cctgattggc	agtctcgta	tgctcttcag		240
tcttcttttt	gccgggtttcc	tgctcaatca	caaggctact	ccaaagggcg	cgctctggct		300
cccagaccta	tccatattcc	actacggctt	tgaaatcact	tattgtgaaa	gaagttctnc		360
atcttactcc	tgtgtgaaag	caagttacgc	ctcgaaatta	ctgtccccng	cgcaacaatc		420
ccttanctcc	ttttggaatc	aacaatgaacn	ccatgttggc	ccgacattta	aaaacctgga		480
aatatcgccg	ccatattcac	ctcctgttct	ttaagcngcc	aagcacatcc	gcttgtttga		540
aaaanaaaaa	aaattcaatt	gaatttgaa	a				571

<210> 860

<211> 572

<212> DNA

<213> *Fusarium venenatum*

<400> 860

gtgcctcttt	ctcttgctgc	aaatcttttg	gacgtatccg	acgaacctgc	gcattcacga	60
aaccccgctca	aaatgattat	tcctatccgt	tgtttctcct	gtggaaaggt	cactggagac	120
ctttgggagc	gctaccttca	actgatcgca	gatccccgca	agactgatgg	cgacgctatg	180
gacgagctcg	gtcttaagcg	atactgctgc	cgccgtatga	tcattgaccca	cgctcgacctt	240
atcgagaagc	ttctcaagta	cactcccgc	ggacgaaacg	agaagaacag	caattgagcc	300
agaacgtata	gaggagggtcc	tcgtgaatga	gtagcaacgg	gttagttgtg	catggtttgg	360
cgtttgaggaa	atgttaccga	aatatgtcat	tttgacggcc	agggaaagca	atgaattcat	420
caggggtgtca	gtatcagagt	acaagagtct	tcataatoga	cagcaccttt	aaagacctcc	480
cgagactttg	aagactccac	caatgtttga	gcaccttgc	ttgcattaca	gcattcaatt	540
tgaacggaaa	ggaaaatctt	tgggtcaagg	at			572

<210> 861

<211> 578

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(578)

<223> n = A,T,C or G

<400> 861

caatgccatc	aagcttcgtg	ctgggtcttg	ttccgctcatg	catattttccg	cccttggttaa	60
caagctcttg	caagacagca	agctgaacaa	ccagcttctt	gccgatgagc	ctgaccgttg	120
tgccgctgtc	atcgggtctcg	gtatcaacca	cctgcaactt	cttgccagta	ttgtataccc	180
ctacatgccc	tcgacttccg	atgccattct	tgagcagatt	ggtagccccg	gtcttgtttc	240
tatccccgaa	acatggactg	gcgatctcat	caagcccggg	caaaagattg	gcgagcccaa	300
gcttctcttt	acacagattc	ctgcatccaa	gcttgacgaa	tgccgcgagg	ccttcgggtg	360
cgaagagatt	cgaaagcaga	aggccttgag	ctgaaaaggc	gcggccaaaa	agctgccaag	420
gataagaaga	agaaagaact	cctttgctgc	aagctgagaa	gcgggnaact	tcaaagacaa	480
agctgctgaa	aaaaaacctg	gagctacact	gttgactctc	ctaactatanc	cctgagnata	540
atatcaaaact	gggcanatga	tcattnatgt	aaatggac			578

<210> 862

<211> 494

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(494)
 <223> n = A,T,C or G

<400> 862
 gctgctcgaa ctaagcctga tatgattcct ncacacttgg gcaaactaat gccatatgtg 60
 ttgcangagt cagtgatcaa naaggaaactt gtgagagaag tcatgatggg acctttcaag 120
 cataccgttg atgacggcct tgagggttoga aagagcgcat atgagacctt gtntgctcta 180
 atgggacttg ctttcagtcg cattaacaat atcgactttt atgaccgtgt tgtggcaggt 240
 ctcanngacg acaatgatata tcgtnagctt tgtaacctca tggtagacaa ctgattgcca 300
 tcgaccccta cgagaccaca cgccgactga actcgattgc agaggcttat ngaactgttc 360
 tgcagtcaag ctgaaggata acgctgtgaa caagacgtaa agaaacanga agaggccaac 420
 aagagcatnt tgagagtgaac actgttatgg gcgaaaagat naaggcccca ctgggaacct 480
 tgggtgctgta ctaa 494

<210> 863
 <211> 319
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(319)
 <223> n = A,T,C or G

<400> 863
 ctctcgtgac cgcagcaaga tccgcactct caccacccgt ttccgtctca agcatgaggt 60
 tcttggtgtg tatctccgag ctggcaacgt gaacctgcct cagtgggggt tcaagcagat 120
 cgaggttact tgcacaaagg agaacaaccc tcgcgacacc tacacccact ggaatgttga 180
 ggctcactgg aacgacaagc tttctcctgc cgaggctggg gtttacaagt ctcctttctt 240
 cactgacttg tccatttgaa cgttgctatg atgacttcaa acaacgctct ggttcccgat 300
 nctgacaagc aagacgatc 319

<210> 864
 <211> 600
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

<400> 864
 cgacggatct gtgtaatact ttcttctctt ttatgccagg ttcttccttc ttttgaatcg 60
 ttcttatttg ctggattatc ctcatctcga gagtccctca cattcattat aaacaaccac 120
 ttgcggcact ctgatatac ttgataaatac tcttggttctt gtttcaactt gatcttgaga 180
 ctcttcacgt acaacaagaa cttccccaac caacataact aataccgtcg agctacaact 240
 cgacaccacac tctttggaac accaaaaagg aatcgaacac cacacaccat ccttaggccg 300
 acagccagtc ccagcaaact atacaccaat accaattaat aactaaactc accaccgcag 360
 ccaactttta aagaaatgga ttccacaatg atgccccagg ccattggcca aggtcccttc 420
 tacttctaca acacagagtc caagcatgac gtccgacaac actaccctca acaacagatg 480
 cacatgtatc ccatgggtcc tacgttgctt tncactcccg tctactcgcg acccagctct 540
 gncagtaact ctgagcctcc actctgtaca gcaatggcct gncgcatgat tccactgggt 600

<210> 865
 <211> 939
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(939)
 <223> n = A,T,C or G

```
<400> 865
tattgctgtc tccgggtctca tcttcttctgc cgaccataga gtaggtagtg gaagaggtaa      60
ctcggatgca ccaagcagag cagtaagaaa tgaagatagc agcaagacca gagtagataa      120
tgccgatcat catgcgggta cgggtatctt cagggaagtt cttggccaag ttggcgctgg      180
accagtcctc agtgacgagc gagcagaaga cgaggacggg aatgggtgagc aagttgttgt      240
agtacatagt gtcccaatcc ttgaagttca tcttgtgata tgatgtgaca tgtagccaag      300
ccagaagccc ccttttttgc tcattctccc attgcatcga ttgccttggc ttgcaccgtt      360
cagttacagt tgcacaccct tccttctttt ttccaatct tctattttat ccctatccac      420
tagacttggc atctccacgc tggccttctg ccaattganc ggatcgattt aatttggaga      480
ccacatcaca accnggctct catttcttgt cgtgtcttgt cctgtcccgt gcatcgctta      540
tcctcttctc ttcttgaatt cggcactttt cttatcgcgc gttgaatcaa atctgaacga      600
ctccttgccg ttccggccact cttttacaag aactcaccgt ttggcgatcg acgtcttgac      660
acaaccattg ggcgaccaga ataagaagaa cgacgacttc gttggccaag atgccgaag      720
tcgccaacga gaacaacatt ggggtgatggg cgagaaggag aacgactctc ttgttggctc      780
tgggcctggc actgacgccc tccctgggca gcctgggaag gtttacgggc cagaatggga      840
acagcggccc tttctctatc cttggctact gtgtttcttc tatttccatg aatgttgta      900
acaagatttt ttgtttctgg gcacttcatg gaacctgct      939
```

<210> 866
 <211> 553
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

```
<400> 866
tttttttttt tttttttaat aacaatgttg aatgttaata ttgggtatct annaaataac      60
gctgtnaaaa ctcaaattca tctccagtc taattaaggg gaacacgacg gaagcggng      120
gattcccatc catcaatctc atnaatatga gtctcgcnaa caagcttgta nccaccaatn      180
ttgggaagga tgatagccca nacaagccaa tagacagcac cagcggcaan aatagntata      240
ccgacnacac agtggatgta gtaaggcatg ctcttgactt ggttctggct agggtcacg      300
ggagcgatga aaggagcaat tacgaggtac atgttgntga aaaagaaaaa aacggtgaca      360
ggcanagtgg cttgatggg agccgttcca gttgtntctc tcgcgngnga ggtagaggng      420
gaccaaacc caccacaaa agtggtttaca atggccaaag ggtangaaat gangttaaag      480
atnaaattgt aggcattccc ngganggagg agcaaggatg accatnacc caatgatncc      540
agtgcngaa aaa      553
```

<210> 867
 <211> 591
 <212> DNA
 <213> *Fusarium venenatum*

```
<400> 867
gtcgtgtttt ttcaacttca ccatcatcca gtcagcaggt ctgcacgtga aacaagcttc      60
cttcgaaaacc gaacgtcaac tctacagcaa tgtccaaccg attcaactct ggctacggcc      120
tcgggtggccc cgcgccttac ggcggatccc aggtgctga tctcagcag ggcgagggt      180
ttctcgagca gattcgctcc tataccagca agattgagga tgcgctcgac accatcagcg      240
agcctgtcaa gccctatctc cctgccattg gccgtttcct gatcgttgtc acctctttg      300
aggatgctct ccgtatcgtc acccaatggt ccgaccagct gctttacctg aaagattacc      360
gtcacattcc ttctgggtatt acccactgt tctgtcttgt caacatcate gccatgttct      420
cttgctccac cctgggtcatc atccgaaagc actccgacta cccgtcgcgc gtctcatggg      480
cgttgtcgtc acccaagctc ttggttacgg tctcatcttc gatcttaact tcttctccg      540
aaacctctct gtcattgggtg gcctgggtcat ggtcctgtcc aatcgtgggt g      591
```

<210> 868
 <211> 730
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(730)
 <223> n = A,T,C or G

<400> 868
 aaatgaagga cttgtctacc agtcgcgagc aactcaaggc tgccaagcag tcaacacaaa 60
 cagcgctctt gtcgctcaag tcaaaccoga catctgactt tgaagcgatc aagaggtcga 120
 cactcacagc tntaaagaag gagantgagg aactcctcgc cacactccgc ggcaaatacat 180
 catcacccat gattcctact tctgttcttg cagcaatgga gcgcgaaatc acagcagcca 240
 aggcggaac agcatcagcc gagaagcgca cccgctcgtc gaaggaagtc tggggttcca 300
 agtctcaaga gtttaaagaa gccatntttt ccacgctcgg ttggaccgtg acattatccc 360
 caacggcaag atgcgagtcg aaagcacgtt ctacccatcg cagacggacg agcatgagac 420
 tcgatttgtt ttgatggtga gcgcggcacg atgaaggctc gcggcggtcc acgaagtgat 480
 tcgcgagaag gataagcgat caaattggaa ttttgggtta nggaaaaggg gtgtattcct 540
 gggttcctgg ctgcgttgac gctggagttt tacgaggagc atagcaaaac cgnttcaagc 600
 caaggccgtn gggatgatga cttaataccc ttgtacatta ttggagtggg gggttgcgtn 660
 catagagnct tgttgaagga ttccaanatt tctgggaatg taaatacata atggtncctc 720
 aaaaaaaaaa 730

<210> 869
 <211> 595
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(595)
 <223> n = A,T,C or G

<400> 869
 aacagtcgaa acctcgctat ctccacaactt cgatcccgac ccgaagcata gcgaaagccc 60
 cccctttttc atacctacgg ttctttgctc ttattcacat caaaatgact ggtcgcggtg 120
 gtggcggttg tcgccgtgtt ctgcgttctc ccattaactt catcttcaag cttctccaat 180
 cacacgctac ggtcagtgctc tggctgtacg agcagctctc cattcgtatt gaaggcaaga 240
 tcagaggctt cgatgagttc atgaatctgg tcacgcagca tgccgtagag gtttaagcaga 300
 ttaccaagac caacgatnag gattccagga gacctctcgg tcaaatcctg ctgaagggag 360
 acaatgtgtc gctgatccag agcgccgcaa gctgaagaga tggtaacgaa accgatcgcg 420
 tggattttgg aaatagacgg acaatggagt ggagtggag catgaaggga taccctaaaac 480
 cgcccgggcc aattnatggc ttacgaagca cttccaaggt tgtcacggcg ctcatgtatc 540
 ctcaggtgca agaantccgt cncgcgcgaa atgggtgtcg aaaagcgtcg aggan 595

<210> 870
 <211> 619
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 870
 gatggctcgt cagtaccgta tcgttcgccc tgatgcctct gagcaggaga tccaggctgc 60

tggtgaggac	acaactgggtg	gccagggtttt	cagccaagcc	atgatgcaga	gtgaccgcca	120
gggtcgcgct	cgtgcggccc	tgagcgctgt	ccaagatcgt	caccaggccc	ttcagaagat	180
tgagcagcag	atgggtcgagc	tggcacagct	gttccaggac	atggacactc	tcgttggttca	240
gcaggaggct	gccgtcacac	agattgagca	gaagggtgag	gagggttgctg	agaacctcga	300
caagggtaac	gaggagattg	gtgtagctgt	caacactgcc	gcaagacacg	caagaagaag	360
tggatctgcc	tgggtatctg	tgtggctatt	attatcggtg	ttgcattatc	gtcctcatct	420
acatctttgg	tattaaggga	cagaacaaca	acaacggcgg	taacaacaac	aagagacgag	480
ccatcgaggc	cgncctctgac	gctatcatgc	acacagctgt	catgccgctn	tagctcgctg	540
cgttgcttgg	cggaacgaa	ggccgcctnt	cttataacag	cgtngcggga	aagaattaca	600
tgcccagctc	ccgacaacn					619

<210> 871

<211> 994

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(994)

<223> n = A,T,C or G

<400> 871

ggccgagctt	caccagatca	tgacttggtg	tttcgccacc	atttctggat	ctacactcgt	60
cggatacatt	ggtcttggtc	tcaaccgcga	agctctcgtg	tcctcgtgta	tcattgtctat	120
tcccgctctt	ctggccattt	ccaagatgcg	ataccccgag	accgaagaga	ccctcacagc	180
tggtcgcggt	gtcattcccg	acgatgacga	gcacaaggct	gagaacgctc	ttcacgcttt	240
cgccaacggt	gcttggttgg	gtatcaagat	tgctggtaac	atcattacct	ctctgctctg	300
catcatcgcc	tttgtcgctt	tcatcaacgg	tatccttact	tggtatcgga	gctacatcaa	360
cctccgcggc	gaatacgcgc	ttactctgca	ggtgatcctg	ggttaccttt	tgttccctat	420
ttcattcctg	ctcggagttt	ctcgcaccaa	cggcgacaac	tctactggag	atattctccc	480
cgtcgctcgt	ctcattgccc	aaaagatcat	caccaacgag	tacaacgcct	tcaccgacct	540
caccaccgac	gatccacact	cccaatacta	cggcctctcc	ccccgctccc	aactcatcgc	600
cacctacgct	ctctgcggtt	tcggcaacat	cggttctctt	ggtatccaga	tcggtattct	660
cagcaacttg	ccccactcgc	cggtggtgac	ggtgcgcgct	ttgccgtttc	tgccgtggtc	720
ctggtgtctg	gccactctca	cctctgcagt	gtcgtcggtc	tcgtcgtcac	caaccaagct	780
gtcgacttta	cacgaaccca	atcataaaat	gtcatgcgtg	tatggtgnaa	gagaacgaac	840
gaaagaaaca	aaaccnccaa	aaagaaaagaa	cgaatgaatc	gtatataaaa	cttntnatgt	900
atcaaggaat	tttatgatat	gatatgctat	actactatat	ataccaaatg	ctatactgga	960
nggcacgaaa	atggcgatat	ttccggaaaa	aaaa			994

<210> 872

<211> 306

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(306)

<223> n = A,T,C or G

<400> 872

cgataccgat	cttcccactg	ctttcgaggc	agtctttctc	gattcgattc	tcggaaaggc	60
tttcttctgn	actttccaga	tcttctttta	cgctctacga	cccatggncg	tctaccgcat	120
tcccctgact	cagatccacg	ccctnaacat	cttcggttcag	gnatccttcg	atctggntct	180
ccttaagtac	gggtctgnca	actctctcct	ctactactgg	tctcttcctt	tctcgcagga	240
agnctgnatc	ccctggncgg	cacttttatng	cagagcacta	cgtttacgag	accgtacacc	300
ttcggt						306

<210> 873

<211> 591

<212> DNA
<213> Fusarium venenatum

<400> 873
gtctggacac aaacgctcagg atctgggacc cgacatctgg tgagtgccttg gctattcttc 60
aaggtcacac atcccttggt gggcagcttc agatgcgcgg ggacacatta gttacagggtg 120
gatctgatgg atcagtcaga gtctggtcac tggagaagat gtgcccatt caccgtcttg 180
cagcccatga taatagcgtc actagtctgc agtttgatga tactcgagtc gtaagtgggtg 240
gcagtgatgg tcgagttaag atatgggatc tcaagactgg acatctcggt cgagaactca 300
tcgctcaagg tgaagctgtc tggcgggttg cttttgagga tgagaagtgt gttgctcttg 360
ctttgagaca agggcgtagc gtaatggagg tatggctcgtt ctcaccaccc gaagagggtgc 420
tttacgaccg cccctctcgc ttcaacagcg ggtgctggaa gatgacccta gtcgcccgtt 480
gagtgcctatg gctatcgact atcgctcatc acaaccaacg ttggccggac ccagtcgaga 540
tgccctacccc aagatgttga tatgcattga cgctggccca tcaacggccc t 591

<210> 874
<211> 564
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 874
cgagatgcac aaggagaaga agaagatcaa gaagaacggt gatggcgagg tccaggaagt 60
cgagaaggag tggtcatact ttgagttgag tggctacgaa tacctaactt acaagcagta 120
tctcgagcgc gttctacaga ttgggttccg gtctaaggaa agtcggcttg accagcgagg 180
acaagcttca cgttttcggc actaccagca tcggctggat ttccacctct cacgctgctg 240
cctctcaatc catctcgatc gttacggcat atgatacact cggccccagc ggcgtcgagc 300
actctcttgt gcanaccaac tgcgcgcgcca tgtacgtcga ttgcagctt ctcnagancg 360
cttcngaacc atccagaagt ctgagtcagg atcggtatcg tcaacgacca accatctttc 420
caaggaaagn gactcgaana tcaaggcgat cacctgacct gaaggctctn ccttggaaaa 480
cccaaagctg gtgaanaaaa cctcanccc acccgctagc nnaaaactta cgcgtctggt 540
cntccggtca cgggtncccc aggg 564

<210> 875
<211> 708
<212> DNA
<213> Fusarium venenatum

<400> 875
acagcgatca cgcccgcat ccaacgcccc atttcccatc caacttacca tccacaggt 60
cgcaacaatg gacgcctcca agcagcccggt caagctcgtc aagggtcacc gagtcctcgg 120
ccgaaccggt tcccggtggt gtgtcaccca ggtccgctt gaattcatgg acgaccagac 180
ccgatccatc atccgaaacg tcaaggggccc agtccgtgag gacgacatcc tttgcctcct 240
cgagtccgag cgtgaggccc gacgactacg ataaatgtgc atctggggag catgggggttc 300
ttggaagacg gtcaacgacg gatggtctat gcatgctgag gcgtgcgcgc cttgtattgg 360
gacattgacc tggagctgca cattaccctt ttggcactcc agtttcattt gttagaggag 420
tcacacggac gggctctggga taacgaaaaa ttccagaaca gttcttcttc tgcattgcagc 480
attggaatcc gacgaaaagt gaaattcatt cttgtttctc tcgcgcacgg cttcctcttt 540
ctcctcatca aacgcacgcc tcgcgccttc tcgaagctca aacaaggaaa tggattgggg 600
ggaggatatg cagtcaacac gtgctacgat aattcaatga cctcggtttt gacattgacc 660
tagcaacagg agaattcatg cctcttttaa tgacagattg ttcttcat 708

<210> 876
<211> 1116
<212> DNA
<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1116)
 <223> n = A,T,C or G

<400> 876
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 catccatcac ttgtctacac acaaacacaca taacttccac aaactgtcac aatgcctgcc 120
 aaagccgccg ccgctcccaa gaaggcctct ggccacgccca gctaccagga tatgatcact 180
 gatgctattg tcaacctcaa ggaccgaaag ggctctagcc gtcaatcttt gaagaaatat 240
 gtcaaggcca acaacactct caatgtcacc gacaacatgt tgcactcttt gttcaacaag 300
 gcaactgaagg ctggtgttga caagggtgtc tttgagcagc ccaagggtcc ctccggtggt 360
 accaagcttg ccaagaagca agcctgagcc taagaaggcc gncgctccca agaagggtgc 420
 tgagaagaag gacagtgtg agaagcctgc cgctaagaag cccgctgccca agaaggctgc 480
 tgnttccaaag aagcctgcag ctgagaagaa ngccgctgnc cccaagaagc tgcccgttga 540
 gaagaagaca accgagaaga agtctgccga gaagaccgag aaggctgaga aggttgctct 600
 tgctaagggtt gcccccaaga agaccgccgc tccccagaag ctgctgcccc caagaagact 660
 gccgacaagg ctgagaagcc cgagacaact ctcaaaaaga caaaggctgg ccgtgtcgca 720
 aagaccacaa aggtgcccc tgccaagaag ccgccgcacc taaaaaggca gcgccaaga 780
 agccgctgct accaaggcgt ntctgacgct gagcagtatt gaactttaat taatgacnac 840
 caccgcgttt aaagatttgt tcacngctan ggcacgggaa gtacggttac tgggaatttcn 900
 atggtttggt ttggagcggg attatttggc tgtttatttg cgcacgtacn cgaanactcg 960
 cgtttgtatg attcaaccct cagccatctc atgttinctg agatggtaca ctcggaattgc 1020
 nggtncactt ctacacganc atgcctntnt gtattatata ccgcatgaca tggcaatttt 1080
 tcattaagcg tgtcagggtt gagacaatgc naggcg 1116

<210> 877
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 877
 ggtgaccctc tcgtcaagct gttagcacac cgaggaccgc ttcgagatct ggccgctcgat 60
 cgtgaaaggc cgatacatgg tctcgacggg ccaagatcag aaanatggca gtttgggac 120
 tcagaaatgt tgccgcaagt caacagttac ttcacacgcc aaccagcttc gtcagtggca 180
 atctccgata caggcttgac agctatttgt tgggggtact aaacaacat ctggaagggt 240
 ctcttcgata agaacgcccc tgtccaagaa aaggtcagag cccttacatg gcgtgggggt 300
 gtgagggtaa gcgcattgan cgcgtacgat ggtgtccttt gaaaatgttc tcggtatcgg 360
 tcacgactct ggcttctcct ccatcattgt tcctggtgct ggtgaagcca actacaacct 420
 ctggaagtca acccattcga gactgccaag caacgacaag aatccgaant caagggtctg 480
 ctcaacaagc tgcancccga tntgattgcc ctcgacccca actactcgga acctggactt 540
 gcgatccgaa aaacacntcg tncccaaaaag aacttgacct cctgct 586

<210> 878
 <211> 1657
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1657)
 <223> n = A,T,C or G

<400> 878

caaaaactcg	accagctcgt	ctccattcgc	cttgcatcat	ctgaatcttt	cgcctttctt	60
cttatctctt	gttttttact	ccttcacgac	aaacgtcctt	ttcacgatac	tcaagatacc	120
ctaaagactt	ttccttcaca	atgtctgaca	ctgtttaccc	cgaagtccct	tgggctcagc	180
gatcttccga	gtctgaagct	tccaagaact	tcctctacct	caccatctcc	gtccctgatg	240
tgcccaagga	caacatcaac	ctcgaccttc	agcccaccaa	gctcaacttc	actggaacct	300
catccactct	caagaggaag	taccatgttg	agcttgagct	ctggggcgag	atcgaccccg	360
cagagagcaa	gatcaaccac	acttccaaga	acgttgaaat	aaagctacag	aagaaggagc	420
tcaagaacga	gtactggccc	agactactca	aggactccaa	gcgcgtccac	ttcctcaaga	480
cagacttcga	caagtgggtt	gatgaggatg	agcagaacga	ggcccttgag	gacgacttct	540
ctcagttcgg	tggatatggg	ggtggcatgc	ctgatatggg	cngcatgggt	ggcggtcatg	600
gtggtatggg	cgggtgggag	gcatgggtgg	tgactttggg	gcattgactt	ctccaactgg	660
gaggcgngc	tggctttccc	ggcgctggac	ggtgggtggg	ctggctacgg	cgggtggtgg	720
tacgcgtaac	cccagcgggc	ctggcgctca	gtcgtcttgg	tggtaaacac	atcacaccga	780
gatattcgca	tcgcttgggt	gcgacacgat	gtagcgacc	gcttggcttc	gcagcatctc	840
acgtttgcta	tttttgtttt	ttgttttttt	tttcttattt	gttatctggt	tgcttgcat	900
tgaacgacac	ggcggcacca	tgacctgcga	agacagacga	atgccttttt	gccagcagca	960
acaggcagtg	ttcgggtccc	aggctttaac	gatgcatctg	atagatttct	tttctttgat	1020
ttcggcatac	tcctcgtttg	atacccttag	accgagacgt	ggggagctgg	aagacgttgg	1080
cagcacgctg	tgatgcatg	gatctagatt	cggacatggg	tcaacagatc	tcacacagca	1140
ttacgaagtt	tatgtttccg	ccgtctacct	gggtttttta	tcattcccaag	gcatttttca	1200
cgcattcacg	atagaggggc	atgttatcgc	cgttcacata	gacaaaagtg	gatttctcgg	1260
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tgagcgcact	ttgaagggag	caaaggataa	tgggtcaaca	ggacgggttac	gtctgtttat	1380
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ttgggcggca	ccggcatgga	aaggatccca	aaagctctta	ctctttgcca	tttaggaagg	1500
acatggacac	gacaaaangc	ttgactcaag	gaataatgaa	tgggtcacga	ngcttntcat	1560
gacggggcca	tgatgcttcc	cgtantnnaa	gagataacca	tactggactg	gactgaggag	1620
tcctgaataa	aaaaaacgcc	tttgatttan	aaaaaat			1657

<210> 879
 <211> 586
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 879						
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aacctggtca	tcctcctggg	tatgatgcag	gtctccaagc	gcgttccctt	cgatgatcct	180
tttgtgctca	acgttgtccg	cgccgtctac	cttgccagca	acgttatcat	tgtgtgtctt	240
tacttctaca	cccagctgaa	gatcaataag	aagaangacc	tcaccacctt	caagtatggt	300
gagcccgcct	ccatgggttc	ctctgangan	ggcaagctcg	ttaccaccac	catccacgcc	360
tacganaacg	aacagattcg	caccgctttc	cgtggccang	ccatgggtat	ggctatgang	420
gctttcatgc	acttgtacat	gaatacacca	acctcttctc	atccagaaca	tcattccctct	480
caagaacgct	ttcnaaaana	catggtcaaa	atcacatctt	tggcaacctg	ccgctngtga	540
ctcaacgtcc	ctcaacaacc	gctgtttcat	aattccatca	gggtgg		586

<210> 880
 <211> 636
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 880
cggaacccag ctcgatcgat attacattct cactcacgca acaaacaaca cttctttctc 60
atactcaatc ctttcgactt acaaaaccact ttcggccaca tatctacatt ttataaacia 120
caacataaac ttcaaaatgg atgactggga caccgcaacc aagatcggca gccgcgctcg 180
tggtcccgcc aatgctcagc gagagaccgt cgtccgagga aaggctgctc tcaacgctgc 240
ccaacgagct ggtggtctca gcaccgagaa gaagttctct tctgccaacg ctggttccgc 300
accagagggg cagcgtatga ccaagggtga ccgatccgac gacatcatca agcccaacac 360
catcggaag actggtggcg acgtcatcgc aaaggctcga cagcagatcg agcccaagat 420
gaccanaag gatctcgcta ccccggtgca acanccaccc aggttttggg cgctgatttc 480
gagcgaggta gcgcgcgccc cgaccagaag gngctncggc gccatggagc gcgtactcaa 540
tgtnaagctg nnaggcaccg acattggtgc tncnaagttc ctaacangaa gaaatgatca 600
attcatgcct gattanaagg aaatatattg aacaag 636

<210> 881
<211> 611
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 881
gttgccaaca atttttaaca aaaggaagga attgctcgaa ccgtcttccc tcctcgcccc 60
acttctgcac cgctcgctt tccctccgct atcaatcctc taaatctgcc ccgcgatctt 120
tcatccgca aacccttcat ctgcacctcg ctctcacgag aaacaccaga caccatggct 180
gccgtcgcaa cagaagcccc caagatggat gagcaggctg acctcaccac catcccccg 240
cgaccccgct ggcaatgaag aatcttccga cgtcaaggac gaaaagcccg tcaactgtttt 300
ccacgaaaag gacaacttca acgtcaagca cccctcccaa aacaagtggg ctctctggtt 360
cactaagccc ccgagcggca agggcgataa ctggaacgtt ctctcaagg aagttatcac 420
ctttgactct gttgaaaaat tttggggcgt ctattacaac gttgcccccg tctccgaact 480
ctctctcaag tccgactacc accttttcaa ggaangtggt cgccccgaat ggggaagacc 540
ccanaacaag catggtgggc aagtggctct accagtacaa ggacaagcgc aacatcnact 600
caacgtctct g 611

<210> 882
<211> 167
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 882
ttcctggttg ccaaccgagg cagacaccca ttcttgacca acttgcattg atgcttccaa 60
acagagaccc gtgtatactt cgtcatggag tacgttagtg gtggtgatct gatgttgac 120
attcagcgag ggcaggtcgg tctaancgtg cgcaattcta ccccgcc 167

<210> 883
<211> 544
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(544)

<223> n = A,T,C or G

<400> 883

cgaggacatt	gaacaatgnt	atggccgaga	gaacatgacc	cctcgtcatg	atggttctcc	60
gatccccatc	aagatgatta	cagcagcacc	agaacgcgga	cagatgatga	acctgatccc	120
ggagatcacg	tcaagagaca	ttatctactc	cgttggccac	accgaagcaa	catatgaaga	180
gacatctnag	gctgtgggta	aggggtgctac	aatgattacg	cacctcttca	atgccatgcg	240
cccacttcac	cacagaaaacc	caggagtctt	tggagtcttg	ggcaaggccg	agagcttgcc	300
gcgaccgtac	ttcggcatca	tctctgacgg	gattcacttg	catcctacca	ccatcaaaat	360
agcctacagt	gctacccaga	tggattcatt	ctagtcacag	atgcgatgca	tcttgnaggt	420
cttcccgatg	gagcttatcc	ttggacgaat	ggagacacac	atccaatatt	gcaaacgggg	480
ttttaagctt	tggtnagaga	ttccgataca	atggcggagc	tnaattctnt	acttgngngg	540
gcac						544

<210> 884

<211> 617

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 884

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gaagtatcat	atatcgactc	tacaatcgcc	gacaagatgg	gaaagaaaacg	gcgcgggtcat	120
cccagacatcg	aggagggtgtt	gcaccgtcct	tgggtgctact	actgcgaacg	tgattttgaa	180
gatctgaagc	ttctcatctc	tcacaaaaag	gctaagcact	ttaaatgcga	ccgctgtgggt	240
cgctcgtctca	acactgcagg	aggtctctcc	gtgcacatga	accaagtcca	caaggaaaac	300
ctcacgcagg	tcgaaaacgc	gcttccaaca	gacaaggtct	cgagggtggag	atctttggca	360
tggaggggtat	tcccaggaca	tgctcgacca	gcaccgtaac	cgtatccttc	agaactttca	420
caagcgcaga	aggatagaca	aatcgcgacg	ggaaaccctn	tttctggaca	ggggcatcac	480
agaagaagat	caagacgggg	accngatga	atttgaacan	aggttgngga	gtttaaacag	540
aanaagaagg	gaatgnttgc	catggaggcg	tggatccact	gctgntgtgg	tgggtggtgnt	600
ggttcttgng	gccgtgn					617

<210> 885

<211> 425

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(425)

<223> n = A,T,C or G

<400> 885

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agggaaagaa	aggaggcaac	aaggccgctc	aggctgcca	ggccgntntc	aagggcacia	120
actcccacaa	gaaggtcaag	gctcgntaca	gcacctnctt	ccaccgcccc	aagaccctga	180
tcaccagccg	tgctcccaag	tacccttgct	gattctgtccc	ccaccagcct	cgtctcgatg	240
agcacaaggt	tgtcatccac	cctctcaaca	ctgagagcgc	catgaagaag	atggaggana	300
acaacaccct	cgttttcatc	gtngatatca	aggccaacan	ggntcaatca	agcttgccct	360
caanaagctt	tacgacattg	actgcctaan	ataacaccct	gatccnctg	acggtaacaa	420
gaagg						425

<210> 886

<211> 1066

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1066)

<223> n = A,T,C or G

<400> 886

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cgacctaccc aagcgataaa agcacaattc actntttttt ctccagcgtc aatcatgtca      180
tcctacctcg aaaagcaggc aaacgccttc cgaggcaccc tctnctctgc cgcaacgaag      240
atctcgaatc cctcgaccaaa caaagccgcg tccctggctg taccatcatt actagctcct      300
ccttcgcctt ccccttcagc tgctttctgat cctaataccc ctactaccaa gcgaaaacga      360
gatgccgcgc ccgagggtccc ttactcgcag ccacaactca cgggctatgg tgctgaggtc      420
aaaacccaaa tgacctttgc tgnccaatac ttgaaaaaga agggcgattc aaagaccatt      480
acggaaaatta tcgatcattt gagtctgaga ggctacgacg aagagcacia ggcgcagctg      540
gcagaaggat tgcgaggaca tccccgtgta gactggaagc ccgatgcgaa cttgagcgag      600
cagacctgga agacaggcac ttacgctcac cgacccatca tccccggagt taaggacgca      660
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atccttgtgg tccgcacaaa gaaggacaac ctcccacgat acgtatggcc caacgatgct      840
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cccctcgacg agatgcaccg caaactcacc agcgtcgggc aaaagcctcc gagcgaggac      960
ccgcgcaaga ccaaggaggg acagggcaac aagcccaagg tgcagaaaan gcgcagggcc     1020
acaggatcgg aaaggcgacc aatgtccaca tggcgcattt atgagg                                1066
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<210> 887

<211> 665

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(665)

<223> n = A,T,C or G

<400> 887

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caaagtgcgc gtggcgggctt cagcttcttt gggggacgag aggataagta ccaagaagcc     180
gccgatctct ttaccagggc cgccaatgcc ttcaagatgc aacaacagaa cctcgaggcc     240
ggaaaaggctt tcgaacaggc cgcgcaagtc cagaccgata agctcaagga gcccgatgat     300
gccgccaaca ccctcgtcga tgcattttaag gcctaccgca aagacgatcc tcaaggctgc     360
cgcgagggtg ttgaacgttg ccgtcgatcg atactgcgcc aagggttaact tccgtcgcgc     420
agcctctcac aaggagaacc ttggtgagct gtatgaggtg gatctcggcg atgcgaagag     480
cgcgatcgaa tgctacgaac tcgctgccac ttggtacgag ggcgataacg ctgctgccct     540
tgcnaacaag ctatgggtca aggttgccga tgtggccgcc ctcnnaaaaa gattactaca     600
aggntttcga gaaatacnaa aaggtggctg ancagtcaat caacaacaac ctcatgaant     660
acagc                                              665
```

<210> 888

<211> 604

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(604)

<223> n = A,T,C or G

<400> 888
cgactctcag aaagctctct ctgagcttct caattctcgc atacgaaacc acttttttagc 60
tgtttaccctc tcgtcagcca ccgtcaccat gacgctctac tacactcttg tctttatgct 120
tctcgtcttc gagatggggc tcttcatgct cctgggtcttc cccatgccct tcaacgtcaa 180
gcgaaagatc tttaccttca tttcagagaa ccccgctcgt gccaagattc agtattggat 240
gaagattacc ttcattcttta tcttgatcct ctttgtggac agcgtgaacc gtgtctaccg 300
gttccagctc gagctcgcgc ctgcctccga acaggccaag cacgggtggag gtgccgccgt 360
catgggtcac gagcgtctcg aagtccaggc tcgcaagttc tactcgcaac gcaacatgta 420
cctttgcggt ttcaccctct tctatcact cattcttaac cgtacctacg tcatgatcat 480
cgaggtgatg cgtcttgagg acaagggtccg ctcttacgag ggtaccaagg agaacaccaa 540
ggaggccgag aagctcgcgt cgcgcggtaa gcccggtgag ctgcgccgtc ttcgaaanga 600
gctt 604

<210> 889

<211> 758

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 889
cggacggtga caggtcgcgc ctgatatttt gacaaaacac tcgtcgacac acttcgcaca 60
ccacttcgaa gctattcaag atgtcgtcgc gcaagggttaa ggctggagag ctctggaaca 120
agtccaagga tgatttgaca aagcagctcg gtgagctcaa gaccgagctc ggtcagctcc 180
gcattcagaa ggtcgccttc tccgggtcca agctgaacag aatccacgat atccgcaagt 240
cgattgctcg tgcctgacc gtcacaaacg ccaagcaaaag ggctcagctc cgtttgttct 300
acaagaacaa gaagtacgct cccctcgacc tccgtgccaa gcagaccctg gccatccgnc 360
gccgcctatc acccgatgag aagtcccgcg tgctcgagaa gaccaagaag cgcactgtcc 420
acttcctcag cgcaagttcg ccatcaaggc ttaagttaaa aatgctggta gttcttggcg 480
tgtgacggac actgggtaga anggaaacgg ggtatggagg gcgtcgcgtg ctttttcttt 540
gacaaaactt cgaaatctgc atcgcatggc tcagggaatc tcgggtctgac ttgtacttat 600
ttcccggttt gggcctcgat ctgggacggg atatgtccac aatgggctgg ccgtaggcag 660
tcttaaaaaa caaaaatgag gtcaaaaaaa aaaaantaaa aaattnttgn ggccgtnnag 720
cttgcatatt anaggncca attngcctt tagggggg 758

<210> 890

<211> 595

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(595)

<223> n = A,T,C or G

<400> 890
gcctcgtcct cgacctctcc tccacatcaa atcacatcca ccatcactac tctctttcac 60
gcagagagaa tcccgcacaca taatttattg ataaagaata gactgagctt caggctctta 120
gttctccagg atgggtcaag gtcaatctgg catgggagaa gggggacgtg atgacaagga 180
caagaagaag gataagccca agtacgagcc tccgcccagg cctacaacac gagttggctg 240
caagaagaga aaggccggtg gcaccagcgc cgcacaaaag cttcccgccg tctaccctac 300
tagtcgatgc aagctccgac tcttgcgaaat gcagcgaatc cagcatcatc tcttgcttga 360
ggaggaatac gtcgagaacc aggagccgtc tgcgaaaggc caaggcagcc aaggagggcc 420
aaaccgctgg caccgatgcc gacgttgacc gtttagcaga tgagcgcggt cgtgttgacg 480
atatgcgang aagccccatg ggtgtcgga ccctggaaag agctcattga tgatgacct 540
gccatcgтта gtagcacaac ccgggtccga gtactacgtt agcatcatga gcttc 595

<210> 891
 <211> 519
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

<400> 891	
cagcaaacc	gatattatcc aagtaccagc aaccatcca caaccgcaa tatgagtgt 60
caacaactca	acatcgacaa cgccgacctt gagaagctca acgataagga tcgcaccgag 120
cttcgccagt	ttctcgccaa cgagcagcag cgttctcaga tccaagcca aactcacagc 180
ttaacacaga	tgtgctgggc caagtgcgtt ccggaacca tcaagaactc caagctcgac 240
aagcccagag	agacatgttt ggccaactgc gtcgagcgat ttcttgacgt caactacctc 300
acgatgaagc	acctcaacgg catgcgcaac taagcgaata gtttcgacaa gtagtttttg 360
ggttatcaca	gatcatgtat gatgaaattg gtgtataatt agacnggact tgggttggtt 420
gggaaatcta	aaccatatcc aggctggtca cttttgctgg gtgcagantt tgacgatcgt 480
gatgtgtcaa	tatgaaagaa taagattttc gacccccgt 519

<210> 892
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 892	
cttccttggg	acgttaattg ctgttccagc tgttacgtgt cttctcatgg ccttgcaatg 60
gggaggcacc	aantttggct ggggcagctg gcanattatc ttgcctcttg tcttttgccg 120
gctgctgttt	actgcattcg ggtacctaca ataccaccaa ggtgacaagg ccctgctgcc 180
cccgagaatt	ctgaagcaga ggagtatcat cgcgggcatg tggtttgag catgttgcca 240
gggggttctt	gcggttacag aatactacat gtccatctac ttccagggag tgcgaggata 300
tacacctacg	aaagctgggt tgcttgctct tcctatggta ggcggcttgt ctatcgctt 360
tgttatttcc	ggccttggca cgacatggct tggatactat taccatttca tgcgtggccac 420
aatgtcttga	ccccatcata tcaagccttc tcacaactat aactttgaag aacagttaac 480
caaaccatta	tccttttgtc ctttttaagg ctgcatcgtc ttngtctcna tatccaataa 540
tacacttcaa	ccattctccc catgaaaant ttctcttggg gaacaatttt g 591

<210> 893
 <211> 465
 <212> DNA
 <213> Fusarium venenatum

<400> 893	
aagcattctt	cgccaacaag aggaaacgtt gatgaccatt cttgaggcat ttatatacga 60
tccaacgttg	gacttgacga aagaaaaacg tacacatcgg agaggagatg taggcgtcaa 120
gcttcagcct	cagagcgttg tggacagcat caaacgcaag gttagggggg tgctcccaac 180
tgaaagcatt	cctctgggag ttgaaggcca agtggaagaa ctgatcaaac aagcggttga 240
tcccagaaac	ttagctgcaa tgtatatagg ctgggtgtccg ttcctgtgag aaaggacaaa 300
gctagaaaaa	agaatggcgt tgggttgaat gcatgcaagc aagaaaaggg ctgggttact 360
cacaacacat	tgaattttta atatgctgat tttaattaaa cgaaccctc tttgaactcg 420
cctcattaat	attcattgtg cactaaatca ataaattatg tctct 465

<210> 894

<211> 439
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 894
 tgnaaatnag ggntcccntc cataanatta aaatcccttt ttacacaacc cctccgaaga 60
 tcaccacaaa cccgtcatgc ggtcgtatta tagcactatg atgcgagcag cgagatacta 120
 tggcatagag gacattcgtg tcgagcaagt tcctctgcct tctgtaaagc caggacaagt 180
 caaggttgct cggcggtttg tcggcatctg cggaacggat ttgcacgagt atttaggagg 240
 cccaaatttc tgccccacga cacctnatcc catcaccaag gaatctattc ctgtcaccct 300
 tggacacgaa ttctttggca tcatcactga ggncggtcct gacgtcgaag gctttgaagt 360
 cggcagccct gtgctattca ccaacgctat tctgcggcac tgngcagttg ccacaacct 420
 gccganaatg tctgcacag 439

<210> 895
 <211> 576
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(576)
 <223> n = A,T,C or G

<400> 895
 ggcgtgtggt attcaatatg tcgctcaata tccccaacgc ccctaacgcg ggtctcttta 60
 agcagggtta taataagtaa gttgtctttt cttggtctgg cctttactcc cctccttggt 120
 gctacttctg cttgttgctg ggcagctccc cgctcttta tgntgtctct cccgtatcca 180
 acttcatgac tacagccttt ttcaaaaaca ccaaactaac aagtctccct tcttctctac 240
 agctacgact ctgaaagatg gtgccgtcct ccgcaacatc gacgcctgca gagcaattgc 300
 gtccaccgtc cagaactctc tcgggccccta tgggcgcaac aaggctggtta tcaaccatct 360
 gcaaaagang antcttacct ccgacgctgc taccatcctc cgagaactcg aagtcgtaca 420
 ccccgccgct aagctccttg tcatggncag tcagcaacag gaagccgaaa tnggtgatgc 480
 caccaacttt gtcacgtgcc ttgctgggcg aactgtccg aaaactgaag anttgctacc 540
 atgggtctca ananatcaaa atatcgatcat cnggtt 576

<210> 896
 <211> 617
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

<400> 896
 ttcaatcctc caccaacccc gacaacacac caaactttac tatccgatag cgcaatatcg 60
 cacagccatg ccaccttcgt catcaaacac agccgctgcg tcgcgaagtg cgagtaagcg 120
 actgattaaa gagctggaga catggagtag agaacaaaag gaagagaagg gcattgagcg 180
 cctcgggcct gtcaacgaag gcgatttgat ggagtgggaa gctgtcatca atggacgggg 240
 tataggacaa ggttatgatg aaggacgctg gcttgtcaac atctccattc catcgacata 300
 cctctctgca ccgccaaaaga tgacctttgt tacacctatc gtgcacccca acattgcgct 360
 gcagaacgga gaaatctgcc tcgatcttct caaggatgcc tggactccag cttatagtgt 420
 tcttgaatgc gtgcgcgccg tgcgtatggt gctttggatg tcccgagacg gacagtccct 480

tgaatgttga	cgtcgcagcg	ctgntgcgct	cgggcgatgt	gttgggggtac	cccggaagct	540
agtcgagttc	tgggtgntcg	ggaattnttg	attcgagatc	caagggggcca	tgatatgtcg	600
gttcgactac	gtttgan					617

<210> 897
 <211> 586
 <212> DNA
 <213> *Fusarium venenatum*

<400> 897						
attacagctc	ccacctttta	cacgctctca	acataaaaact	tccttttgca	tggaacgatca	60
acaattacca	gcggtctctc	agcagccgcc	caagaaaggt	tcaccaccct	agaacctcac	120
gacccaagcc	cccaactccc	ggaaacgagg	aagcctctgc	gaatctcaat	ctcggagagt	180
tccaggatgt	tgatactctg	acactctccg	aagctgctct	ggttctaaac	gctctccacg	240
ccaagcgaaa	gaatgaccgc	cgaaacgtta	acaacaccga	gatgttgaa	tcgactctca	300
cctacctcga	taactttgcg	cgattcacgc	aaaaggagaa	cgtagaagct	gttgagcgtc	360
ttctcagcgc	acacaagaat	cttgccaagt	ttgagcgcg	acagctgggc	tccttatgct	420
gtgaaggagc	cgacgaagcg	aagacactga	ttccttcaact	ggccgacaag	atctcggatc	480
aggaccttca	ggatttgctc	gacgagattt	ctaagctcca	gactcgatga	agcgctcact	540
gcactctacat	aacgagactt	tgttcaaact	caacaccaa	acgaag		586

<210> 898
 <211> 941
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(941)
 <223> n = A,T,C or G

<400> 898						
tcttttgtaa	caaactgatg	gggcctttct	ctgcaattaa	catgtcgtca	tacaaactca	60
ctccattaag	aagcttcgaa	ccactaaata	ttncgtctca	ttggatcatc	cccacattat	120
cgtctggcag	ggcatgggaa	tgaattggga	agcttccttt	aagggtgggt	gaatgcttgc	180
gtttttggtc	acctaataaa	ctggcgctcg	caatgggcgc	ccatgatccg	ttctttccct	240
ctcggctctc	ccactggcgt	ttcccatcat	cccacctccc	ctcccaaaag	cttcccctac	300
tttaatacga	cttgatgcgt	ccttaccttt	cctctagaat	actccaaagc	tttcgcacag	360
ctcggataca	gactcctctt	cctctagcaa	agtccttttc	cacatacaga	gcaatgtcgc	420
aagaatacaa	gctcaagggt	ctatcgctcc	tgtctctttc	tccaggctct	aagcaggaag	480
tcgaagtcca	aggtgtcgaa	gatggcaagg	ttctcctcgt	caacactgga	agcacaacac	540
aggcttttag	agccaaatgt	actcactacg	gtgcacctct	ggcaaagggt	gtgttgacca	600
gtgatggtcg	tatcacatgt	ccctggcagc	gagcctgttt	caatgcaaag	accggcgata	660
tcgaagatgc	ccccgccctt	gacaatctcc	ccgttttcaa	ggttgccgaa	cgagacgggtg	720
ccgtttacat	cactggagaa	gagagcgcca	tcaagtcttc	caagaaacaa	cccaacgtca	780
agtgtgccgg	atccagcagc	gcacaagacg	aacatgtcgt	cgtcgtcggn	gggggctcaa	840
gtacattggg	tgttgnccaa	antctttccc	aanaagggtt	ggaanggaag	aatcaccgtc	900
gtgtctaacg	aaaggaaact	ccccaatcga	cccgaaacga	a		941

<210> 899
 <211> 799
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(799)
 <223> n = A,T,C or G

<400> 899

ggccatcggg	gctatcctcg	ctctcatgat	ctgcgacgcc	gacaagatcg	tccgggagga	60
caacacaaag	gtcatcgta	tgaagaaccc	ctcgtggagc	acagagatca	agggcctctg	120
ggagactctc	tacagcgcac	cctgggtcgt	cctcctcttc	cccatgttct	tctcctccaa	180
catcttttac	acttaccaga	acgtcaacat	gaatctcgcc	cagttcaacg	tccgcacccg	240
cgcgctcaac	aacctgctct	actggctagc	ccagatcttc	ggtgctctca	ttattggcta	300
cgcctcgcac	atctcgagcg	ttcgtcgagc	cgtccgcgca	aaaatctccc	ccgccgcctt	360
gtttngtcct	gaactttggc	aatctggggg	tgggggctac	cctgggcaaa	aggataagcg	420
aaacccccaa	gacgctatg	aaaccccccc	aatgaaagaa	tgaacaagat	cgaactgggg	480
aacgaacggg	gccaagcgaa	ttcgtccctc	cccatgttcc	tctacttttt	ctacggcttc	540
ctttgatgcc	gcctggcaaa	cttgcatcta	ctggtacatg	ggcgctctct	ccaactctng	600
ccgcaagacg	ccaactttgc	tggttttctac	aagggtatcc	aatctgcagg	cgctgccatc	660
ttctggcgta	tggatggctc	cggcaagcca	ttcgacacca	tctttgccgc	aacatggggc	720
tgctcggcg	cctcgctcgt	catcgctgca	ccagtgattt	tcatgaanat	caagattcca	780
tctccctgga	aggaagacc					799

<210> 900
 <211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 900						
cttgctgtag	ctgtcgacct	cggtcttggg	ccccgcattg	gtggtgctga	aataatcggc	60
aataagaggt	gtcatatctg	acttctcggg	attcgtgtgc	gaaaagagca	gcttctgcgc	120
agggaccgag	ccggaggagt	agattatgat	cttctttcca	ctcttaatgg	cttcgtnnaa	180
gaaggtctcg	acatccggga	agaggggagc	gacgatgttg	ccagactcgt	aacctgcag	240
ccagaggtat	ccctggagcg	acttgaggta	cgctatcttg	acatcgcgct	tcacgagatc	300
gcggaagctg	gcttcaaaat	cagaaggcga	ggtgcggtag	tcctcgggga	aagcatcacg	360
gtactttgca	aactctggac	tgtcccaactc	ttgttccaag	actttgggaa	gtgcttcgag	420
tgcatacggg	aactgggtac	ggcgaacaga	ccttggtcag	caggctgcac	tgttgttgac	480
gttgggcaca	ctatcgcgaa	tccggggcaaa	gtcngtgaan	gggtcaaaga	agctgggggt	540
gaatganatc	tgggttccaa	agaaaaaatt	cagatgc			577

<210> 901
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 901						
cgacgccctt	agccaggcat	tccttcccaa	gcctcatttc	accgagtcta	acgtaccgca	60
tctcacagga	aaggtcagta	ttgtcactgg	agcaaacaca	ggtgttggtc	gtgagatcgc	120
acaggtcctc	tacagcaaaa	atgctactgt	ctgggtagct	gctcgcaatg	aaaagaagan	180
tcgcgatgct	atcgagggca	tcaagaagca	tcacctgca	tccaagggtt	ccatcaagtt	240
tctcaagctt	gatctcgag	acctgacaac	tatcggtcaa	tcggccaaag	antttcttgc	300
ccaagaaaca	agactcgatg	tcctgttcaa	caatgctggt	gtcatgaccc	accagaaggc	360
tcaaagacgg	agcaaggata	tgaactccaa	ctagantcaa	ttgcttgggc	cacttcttat	420
tcaccaacac	ctcaccctct	tcttcnatca	acatccaatc	agcacccaaa	acctgtcctg	480
tgatttggtt	tcaatttcac	tgcaattttt	tgccctaaga	cgtttcaacg	tnatatcttg	540
aataccatca	ccgncacct	gatgcccaatt	ttctacaacc	aggggn		586

<210> 902

<211> 604
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

```
<400> 902
gcacctctcg ataagacctc atcataatcc accgcaatca tgtccgcgac aaaggagttc      60
accatgcagg atgttgctga gcacaacacc tccaaagaca tctacatggg tgtccacgag      120
aagggtctacg actgcaccaa gtccctcgac gagcaccctg gtgggtgagga agttatgctc      180
gatgtcgccg gtcaagacgc caccgagggt ttcgaggatg tcggccacag tgacgaggcc      240
cgagagggttc tcgatgggtc ccttggttggg gagctcaagc gtctgctggg gaagagggcc      300
ccaaacgccca tatcgcaact naaaccaggg gaggggncag gatcctaccg gctcagcttg      360
acctntttacg cttttgttgc gctgcggnnt cgccncctac atgggctaca actnctcaa      420
aagcaaaacg agggcccaagg ctccgcataa gtgtctnacc tcantcttaa cgcagtagga      480
cggngantat aaaaggggnc tttgtgattt gttttgcatt caatgccggg tacngatgat      540
gaccnacatt tgcttnggga gtttttttgc ctgaggnaaa agccgtcgaa naaacgtgct      600
tgca                                         604
```

<210> 903
 <211> 590
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

```
<400> 903
agtcaattac ctattttaatt gtagagtccc cctaattgata gtatggaaca aaaacaacaa      60
agcaacaaca ctacaacacg agtcgatcta gaaacaggaa atcacagaaa ccaatatcta      120
tcaacatgtc tcaaaccaac agcagcacca acggtcatag caacggggcac aatgcctcta      180
ctatctccag cgctaccaag cttcgtcaga ggctagagtc caacgatatc ctggtcgcac      240
cgggtgttta cgaaggtttc agtgcacgta ttgcgcttga ggtgggattc gagtgcctct      300
acatgaccgg agctggtaact gttgcatcga agcttgacca gcccgacctt ggcttcgcgt      360
cctcaacgac atgcgcgaac acgccgagat gatcgcaaac ctcgacaatt ctgtaccttt      420
gatcgctgac gccgataaccg gctacggtgg ccccaatatg gtggctcgaa ncgtcgcgca      480
atatcaccgc tctggtgttg ctggncttca cattgaagat caaatccaga acaagcgatg      540
tggtcacctc cgtggcaagg ccgtggtcga tatcnaaact tcgaacagcg      590
```

<210> 904
 <211> 449
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

```
<400> 904
ntggcaaaac caacggactg tcntgtgcgc caccaactcc agaggagagac ttttcttaca      60
aactgttttt tggccaacgt tctcttctnt ctgngaaaaa ggtacctcag aaaatagacg      120
acattctatg tcttgcttcg gcgtncaaat tcccaaccag cattgntgct ctacagtgtg      180
ttgaagaagg tcttcttntc ctnaaaggan acttgtcaac tgtagcccca gagttggccg      240
aaaagaaagt tctgacagga tggctctgaga atgatgaacc attgttgga gacnctgcc      300
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anaaaatcac acttgaaatg ctgcttacgc atagtgctgg ngcgacgnac gacttttnta	360
catccgttta ttgggaaggg gngngcccaa tntaaaccaa ngatccaggg caaaaagaat	420
gtcgaaaana cttttattta tntctttt	449

<210> 905
 <211> 510
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> n = A,T,C or G

<400> 905	
gcccattcct ggtacctacc acgacgagac tctggaaatc ctcattgacc atcttgatcc	60
ggagaatgcc aagcagttct atctgtcgca cgcgagtgcg gtcgcaagcg acaagatggc	120
tgccgaaggca aagaatgctc gcaaggaagc catcaatagt cttggtggac ttggcgagga	180
tgttgacgaa gtggacgttt tcgccaatga cgtcgacagc aacatgcttg actctgtcga	240
agctctcacc accgaaggtc acgcattggg aactgtcgtt tcgganantt gcggcctctc	300
cagcgtctac caacatccca gtatcccgac cccgagtggg ccgtacttgt tcagcccctg	360
cggctttccg ccaacggtgt tggtctcctc cttcttccgc cgaaggaagc aagggtgaca	420
ctactttacc gtccacgtcc tctganccc cntgttcgtt gctcttcnan aacaacttcc	480
cgggtggacga ntggacnaac cccctgaatc	510

<210> 906
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 906	
tttaaacaga agantatcct cacctcacc ttctccctct ctgttgtcct ctgttacaca	60
acatctcacc catcttacat caaccatgtt cgccaaagcc atcactgcct ttgcocttgt	120
ggcacctctt gtctcagcac agactttcac aagctgcaac cctctcaca cttcatgtcc	180
tcctgaccct gcttttggca aggacaccgt cactgtgac ttcacaaagg gagcttgtcc	240
agcttttgag gaagacgccg gtacatcaat cagtcacaac gccaacgggtg ccgtctttac	300
aattttctgga cccaaccaag cccctacagt tgccacgggc aagtacatct tgtttggccg	360
tgctgatatt gaagtccaag cttcttccg tggttggtatt gttaccaacg ctgttttgca	420
atctgactgt cttgatgaaa ttgattggga atggctagga agtgacaatg ttcaattcaa	480
tccactactc accaagggtga cgtgagcact acaacgaaga cttcaccctg tcgaaaaccc	540
catcgaanat ccnctctact ccatgatgag nggaccccc agccgttaac tggatcatcn	600
acnatgttg	609

<210> 907
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 907	
accgacaacg cctagaagca acgggcaaca gtgaatgcat tatactcttt tggacataaa	60

acaaacacca	tcgttatcag	cataatcaac	tggaatttaa	tcaattccct	cccaaaatgt	120
ctatttcctat	gcaacgtctg	ggcggtcgcg	cctttgcccc	tgatgacgat	aatattgagc	180
aagagtacga	ccgattgaga	gacctggcgc	gagccgagggc	aaagaagcgt	aacgactgct	240
ttgctcgctc	acgtcaagcc	tatgaagatg	gagatggagc	tggcgcaaag	gagctctcca	300
accagggcaa	ggcccacgcc	gcgcgcatgg	acgactacaa	ccaacaagcc	tccgaattca	360
tcttcgagg	gaacaatgcc	tctggacgcg	tagaggccga	ctctatcgat	ctccacggcc	420
tctacgtcga	agaagctgag	agaatactcg	aagagcgcgt	tcgttctgac	caggccaatg	480
gccaaacaca	tctgtacgcc	atcgctcgga	agggacacca	ctcttgccgg	tgggtgccgg	540
aagctcaagc	cccaaggctg	aanaactgtg	ccaagaactc	gggctgcggt	nccaaacaga	600
caaggaccac	cccnggaggg	taatcatcaa	cct			633

<210> 908
 <211> 643
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 908						
cttgaatgcg	gcgcaacctc	acgacaaccc	ggcacctccg	tccaacgttc	gatctcgttg	60
ccatctcctc	cacgactacg	tctataattg	tcgcattctt	ttgaattgct	aggagtttgg	120
cttgttccga	cctgctccaa	gctaccccg	tgctcatatt	gccaacgaca	agatggccac	180
accagctccc	cccaggagacc	aagctcgtct	gcttgaagat	gccctgggtg	cagtgcgtca	240
gcagacttcg	ctcatgcgca	aatgtctcga	cacaccggga	aagctaattg	atgcgcttaa	300
gtgctgctcg	acccttggtt	ctgagctccg	taccagcagc	cttggtccca	agcaatacta	360
cgagctgtac	atgtctgttt	tcgatgccct	gogatacttg	tcgtcacctt	cgcgaaaacc	420
atcctgtcaa	tncctaccga	ctctacgagc	ttggtcagta	tgcangcaac	atcgttccgc	480
gaatatact	natgaatacc	gngggaaacgc	ttacatnngc	attgaggatg	cgccccctcaa	540
gnggtcatg	aaagacatga	tggacatgaa	tcgaggnngt	taacatncta	tccggggggcc	600
ttttnttccg	tantaacttt	tccggccaag	cgagagantt	ttn		643

<210> 909
 <211> 550
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(550)
 <223> n = A,T,C or G

<400> 909						
ccctgttttt	cccttctctt	cttacttgaa	gtcgattttc	cctaaagtcc	ttccttttcc	60
ttttcttcaa	ctacctgaca	acactacgta	tccttctgct	anctcagaaa	ggcttgtttc	120
tttaccgtct	ttgttacaca	acaccagccg	ggttactccc	agcactgaag	acaaccacca	180
caatgttcac	ttccagatct	cacagcctcc	tgggtggggc	tggtatcctc	gttgctctgg	240
cctcgccggc	cgttgccttc	gganctggta	acattgcctc	aatttccaag	gtngaaggtc	300
agaactggcg	ccacggcgat	atcactgatg	cactcctgat	cctgtccagg	cccaggctct	360
caatggcaag	aantttaaca	aaatcaacgt	ctctcgtgtc	tacttcggaa	actggcttcg	420
agattatctc	aggccatcga	tgtctgtacc	gtcaantctg	tttccgccga	agccattcgc	480
ctcttgctct	gcgtttctcg	tttcatgaac	ttcngttatg	gttctggcga	atttgaaggc	540
cctgccgaac						550

<210> 910
 <211> 683
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 910
 ccgacctaga tctaaacttt tgcaaccttt cagactcaga ctcagactct taacaaactc 60
 gctcctacac cctcacacat catccatcat gtcgtggcaa gcatacatcg actcaagcct 120
 cgctcggtcc gggtcacatcg acaaggggcg cattatcagc gccgctggcg acagcgtttg 180
 ggctgcctct tccgacctcc agctcaagcc tgaanagatg aaggccatct ctgccattgt 240
 tggcggtgac accaaggcca tggacaaggc ttttgccgaa ggtctctaca tcgccggtga 300
 gcgatatgtt atggcccagag ctgaggggtcg aagtatctac gtcgcatcgg gtcgttccgg 360
 tgctcgctgtc gcaaagacca cccaggccat cgctcgctggc caccacggcg aggcccaggt 420
 cgccggtaac gccacctcta ccgtcgaggg tctcgccgac tacctcatca agtcgaacta 480
 ctanatatgt gtttgtgtgc aaggcaaggc gaagaagggt ttttgggagg aattatctgt 540
 canaancgtc ataaaaaacn ctgtatgtcc gtaaaccgga tagtcaacgc anctgtaacg 600
 agcttatgcc aagaggagcg agccccctt gtttttaaaa acactggggg ttgaaccttn 660
 aanctttgag tgtttgggtg tnt 683

<210> 911
 <211> 736
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 911
 cggccgtctc gtottccana acctncaaaa ggtcatctcc taccttcttc ccgccggtag 60
 ttggtccgag atctggcccg tcattctcaa cgtcttcttn ggtgttcttc tccctctgag 120
 cgctttcctt atgatcatca tctgtgtctt taccgatctt ttcctaagtc tctcacttat 180
 catggagaag gaggaattcg atcttctatc tcttctctct cgcaaccaca agcgcgatca 240
 tnttatcaac accaagatct acacccaagc ctacctatc actggtttca tggagaccat 300
 cactgcgcac tccatgttct ttctctacat gtggaagtac gccaaagtgc ccgtgtcgga 360
 acttttcttn ctttttgaag gttactcaga gggttatcac ggctacacca aggatgagct 420
 catcaagttc aacaacactg gccagtgtgt ttactttgtc acactcgtgt tccttcaatg 480
 gggtaacatc ctgctgtgtc gaaaccgcgc ttgagtattt tccaggctag tcctttgagc 540
 aaggctcatc gcaacccttg gttgattctc aacatgctta tcaagtttgn gcattgccat 600
 ttttgnccac gaggtcctgg aattcaaaaa ttgtcgatac aaantctggg cccaatgag 660
 tttgggtcat toctattcct cttgggatgg gtattctggg gggggacaaa aataaaaagt 720
 ntttgggana aantat 736

<210> 912
 <211> 361
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 912
 ntgaactact anttggcatt ggcaaattgg aanttggctt gccacttatg cgtttnggaa 60
 gttcgatgac ttttttnggg gngaaaactc gngaaaactc ggcgaaaaga ccaanaaggc 120
 tggctcttgaa tacgagggtg agtttgacag cagcaaaaatt actatgaagc gatgggccga 180
 gtttgagcgc gacaagcggt caagaagtgg ctactggggc tcgctgaaa acgtgancgg 240

ggggtggngg gacaaacctg gaaaagcccg ccaggtcacc aatataatga ggagtattat	300
tctggatgct tnaattcttg gacgcctttt ggnttacngg atttaagnat ttttgaaaac	360
c	361

<210> 913
 <211> 592
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 913	
ccgacctttt ttattttccat ttctgcaaag aggcattatc tacttattcc tgattcttta	60
attttttttt tcatttttct cgcaaacaac ctccacgtac ttgaagttac acaacttgcc	120
caaaatgcct ctctgtcttg ccattcctcga agccgacacg cctcagccgc aaactcgcga	180
tcgtctacggc ggctacacag gcgtctttac cgcactcctc gaagcagcgg ccaagcctca	240
gaagctcacc gacctcgtca ccattcaagg ctacgacgtc gtcaatgagc tgcactcgtc	300
ccccgcgctc gacgacatcg atgcgattcct catcactggc tcccgacaca cggcattcga	360
caacgaccct tggatcttga agttgggtcga gtacacaaaa aaggccattg cttcgaatcg	420
agtgcgcgtc gtaggcgtct gcttcgggtc tcaaattgtt ggctcgggctg aaggcgccaa	480
gtgcggaaaa agcaacaacg ggtgggaagt tgctgtcaca gaagttgaac tgacagccaa	540
gggtaaagaa ntatttggtt gggaaaagat gcgcattccc cagatgcacg gc	592

<210> 914
 <211> 548
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 914	
aattgagcgt cattcagact ctcgacggac caacgcggca attgaccaat taccgagtct	60
cgaacccttc gaaataccga catcatgagc ttctgcaccc gccgagcgtc ctcgacgctc	120
attcctccca aggtcgtctc tcccaaggcc attggcgccg cccctgatgc tatccgcatg	180
cagcgtgtcg tcagcttcta cnanaagctt ccccggtgtg ccgccccga ggtcaaggct	240
aagggtctcc tcggccgata ccaggccaag cacttcggca agaaccctac tgccaagccc	300
atcattcact tgattgtctt ccttggcggg attggttacg cccaaaacta ctactttcat	360
ctccgccacc acaagaacaa cgctcactaa gcgatgactt tttgatacct taaacgggtc	420
gttgtgtgaa aaggaacggg ggtcgtgtac atataaactn cggaacttc gcgggcgaat	480
acgccgcctt aacttcocct tgtatctnta caagcaagtg aagggaactc actatcacgt	540
tttgggtn	548

<210> 915
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 915	
cgcgacaaga ctacactagg actttttccac attgagcgtc tgcaagagac aaccggaat	60

ctagagtagc	ttcagtagct	gcagtatgaa	ccagcgacag	cgacgaagcc	caccatgagc	120
aaccttcaac	cccccaacgc	cggcccagcg	tccaccccat	caccagcg	caaggacggc	180
ctacgatacc	ccagcaatgg	aaagaccatc	taccacagac	cattaaacag	aaccaaggcg	240
gctgagctga	gccaggccag	ttttgctgat	ctgtttggcg	agatgggtgac	gtatgcgcag	300
aaacgggtca	agggcatcca	ggagctggaa	caacgtctta	acctacaagg	tcattctatc	360
ggcctcaaac	ttctggacct	cctcctcttc	cgcgaaccag	cgcgcacgca	aacccgcctt	420
ctaggcatta	ttcaactgct	acactttatc	aagcagaaca	tttggcagca	cctctttggt	480
cgacaagcgg	accgtctcga	gaagtctgcc	aaccccgaaa	cgcccgaacg	ataccacatc	540
atcgataacg	agcccctcgt	gaaccaatac	atcagtgtgc	ccaaggaaat	gagccagttg	600
aactgcgcan	cgtttgtanc	gggcgttgtg	ga			632

<210> 916
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 916						
ctcacaaaac	aacttcaatg	ctccagtcaa	aatgtcctcc	atcaatttct	ctccagacac	60
cgacatcccc	agtctcaatg	gcaaggttat	cctcatcact	ggaggaaact	ctggcctggg	120
tctggaaagc	acccgacaac	tcctgaaaca	cgacctgcc	aagattttcc	ttgcatgtcg	180
ctccaaagca	aaattcgaac	aagccatcgc	cgagctgcaa	gagcaaggct	caaatacaga	240
tgctgtgtat	tttctttccc	tgaatcttgc	ctcacttgaa	agcattaaat	ctgctgtcaa	300
agaattccag	caacagtcca	ctcgccttga	cattctcctc	aacaatgccg	gtattatgat	360
gacaccgaa	ggcctcactg	aggaaggata	tgagggtcaa	attggtacaa	accatatggg	420
tcacgctttc	ctcactcatc	ttttccttcc	tctgctcgag	gagactacta	agctcaacc	480
tgatgtgagg	gttgncttct	cgcctcgatg	ggtgaagcca	tgtcttctaa	gaacccttac	540
caattcgagc	agttcaagac	taccatgcc	aacctatcaa	gtcatcccg	ttctctatct	600
cgaagctngg	caacgtccat					620

<210> 917
 <211> 1092
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1092)
 <223> n = A,T,C or G

<400> 917						
gctaactgcg	gactcaatgc	acaaattctc	aaggccactt	ttcctctgac	ctttgtagtc	60
aagataccag	ccatgttgct	tgaaatcagg	ctttttgata	cgccagtgtt	gatcgectcc	120
aattcatctt	ccgtcaaccc	ctttcgtgca	tatcgaaatg	tcacgatccc	cagactcgcg	180
gagctgacga	tctcccaatc	attcagttgg	cgcaattctt	cttctgctct	ctcagctagg	240
tcaaaccat	gatcaatcat	ctttcctagc	ttctctacgc	caataaccgg	cagtgtgaac	300
cacagcttca	tcgcccgcga	cgcaggacgt	gtgagctcca	tactataatt	ccaaaagtgt	360
ggaatttctt	catcttctat	cgcaacgcca	tcgcgtagat	aatcgctcca	tttgcaaagc	420
tccgcaccag	gttggecttg	tcctttacta	acaacaaccc	acaagctgta	ggtttgaaaa	480
gaagccattt	atgcccgtcc	atgacatact	ggtcggggcg	actttgagaa	ccatccaccc	540
gctttcgtgg	acgtgtaagt	cgaaaaaagt	cgcttgaggc	gcccgtatgc	accatctaca	600
tggcagccaa	agttgctccc	cgtttgcata	tatccgagag	ctggtccaac	gggtcgatgg	660
cgccagtatt	tggtgggtcc	gcaagtggcc	aaccaccaga	aaaggnacaa	ggccggcttt	720
tcgggcctcg	ggtatcggca	tcttcaaaaag	gctcggggtt	aaattgaagg	actcgctggc	780
aggcaaaaata	cgaatctggc	ctttgtcgaa	accgagtnaa	cgcanggctt	tggcgacaga	840
ataatgagtc	tggtcaaaaag	agataaacia	cgccttctgt	cgaatcggca	tgtggacaaa	900

gcngtcgcga	gcgaatacaa	tggccattaa	attcgn catt	gnaccacccg	aaacacaaat	960
accncccgca	gntgaangga	attcnacttt	gggaagccag	ncactngatc	naaagttttt	1020
ttaatgaacc	ctggggcctt	ganggctgga	aatttttnaac	anccaaggna	nttgaaangc	1080
ttgnttccaa	at					1092

<210> 918
 <211> 628
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 918	
ctcatccagg	60
ttccaggatg	120
cggcgaaaag	180
cgatggtctg	240
catcggtacc	300
tctgtttctc	360
cgagatgact	420
tgatgatgct	480
tccattcgaa	540
anccgggncc	600
atcttggccg	628

<210> 919
 <211> 612
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 919	
catatttttc	60
cgcacgaac	120
cgtggcatcg	180
aagaagagtc	240
cctatcctca	300
cccacgag	360
accaactgca	420
cctggcagcg	480
gggcgcgcga	540
gccatcttaa	600
aatttctacc	612

<210> 920
 <211> 997
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(997)
 <223> n = A,T,C or G

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<400> 920
ccgtatgtaa ataatcgtaa caattcgtaa acaggctaaa caaagccaca ataatactat      60
ctcatnaggg ctacaaaaaa acatccatct tgattaacct ttcctccatt tttgatcggt      120
tagtgcttct cgccagactc gggagcgctc acattggggc cgttgtccgc agaggcagca      180
ggaactgatg ttcccagagc accgtgacca gcctcaggag cggcagtatc anaagtcttc      240
tccttgccaa agaccttctn aagaccagca gccttgtagg cacttccacc gtgctcctcc      300
ttcttgagat cagcaagacg acgaacctcg gcgtggacct cttggacctg tcggtgccc      360
tcggtgtaaa aatcggcaat cttcttnccg gtgggtgtgt tggaggcctt ctcaaagtaa      420
gagctcaagc cgagccacag gctgttgcca cgttggaaga tgccgtagct ntcacggtg      480
gccttgccc ggtcgggtggc gtggtacttc tcgtcgagac ccttgagggt gganaaaaag      540
cggttggtga caccgtgagt ggcacgcagg tcaaganac gctggatggc ggcgtcacct      600
acgacgtagc cgtgggcgag gtactcggcc aggatacggg cgcggggctt ctctcttg      660
gtgatctcgt cggagtcgag atcagcattc ttggttgtgg gaacatcgtc gtcaccatcg      720
gcggtggcgc tggtgacctc aagatggttt gtgcccagct ggggtgttgt gaggaggaga      780
gcagcttctc tggcgggtctc cttctcgaag atgacctctg cggactttgt ctgcgccgtc      840
tgagtgcctc tgagatcttg gatcttgccg cagaagctga aaaagtcctt gatctcgctg      900
tcgctgggtg cgggggcgat gttcttgacg ttgatagtag agttggcaga catggtgaat      960
gtgtgttggt ttgttttgtt taggggggat caaaactt      997

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<210> 921
<211> 627
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

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<400> 921
acaaagatac atcgacagtc gaaaacaaca agcctgattc gagatatctg acgcttctct      60
atagacagac ttctectaca atcgttcaat atgcccacgc cagtctcgcc aacgttgccc      120
aagaatggcc tcaccaaatt caccaactgt cgattgctga aaggcaacga tctggtctgg      180
gatgaccttt gggtcagttc tgtcaatggc aagatcgctg acagccaggc ctcttcttac      240
ggtggccgta acatgcctga taatactatc gatctcggcg gtcgcatcat tgccccaggt      300
tttatcgagt gccagctcaa cgggtgcctt gggtttaact tctcaactct cctcgatgac      360
atgaccgaat acggcaaaaa catccaaaag gtcaaccgtc tactggttag gacaagggtc      420
acatcctacc tcccaacat cacaagtcaa cggccgggaa tataccaaaa gacacttcca      480
taccttgccc cgtccgggga actgcggatc ccccaccacg gaaccggaat ctctcggaac      540
tcaatgtgaa ggtcctttct tgaaccctac caagaacgga gtccacaatg gtgatgtcct      600
naccgaagct cactctatcg aggacaa      627

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<210> 922
<211> 552
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

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<400> 922
ttctggccag aaccggggct acagtcacga tggctacgag gtagcttcgc cgctcattcc      60
ccacgggtgc tctgtggccg tctccgctcc ggctgtcttt cggttcaccc ccgcttcaa      120
cccagaccgt catctggcag cggccgaggc ctttgggtga gatatcagca acgtgaagcg      180
agagagcgca ggcgaagttc tcgctgaggc catcacaaag tttttggcag agttgggtga      240
ccagcccaag ggtctgaagg acctgggctt tggcacggaa cacattgagg cccttggtga      300
gggtaccatt ccgcaggcac gtgtgttgat gctggcacca ggattgtcta cagagctgga      360

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agcggagaag	gaccagttac	gaagactgtt	tgagaatgcc	atgacacatt	gatgatggtc	420
ggtcctgaag	ataggaggtt	tgattatcat	gcgggatatgc	gattgcgcgt	tgccgatcga	480
tgtgtttgac	tacaaaaggg	atgtcgtgcc	actttatata	tttggatgta	caattgatct	540
actgnacaaa	tn					552

<210> 923
 <211> 616
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 923						
cttacctcta	ctgtgaatca	atnggggcag	aatgcaagaa	catcaagaca	agatcgccac	60
gttggcagac	ggganaaaaag	tggcgtatgc	aatctacggc	acagacaatg	acaatgcacc	120
tacaaccttc	tacttccatg	gtttcccagg	gtctcatcac	gaaggcggct	cgacgcacag	180
cgcagctctg	aagcacgggc	tacgcgtcat	cgcgctttca	cgaccaggat	acagcgactc	240
gacattccaa	gacaacagat	cgattctgga	ttatcccca	gacatcctcg	agatagcaga	300
ttttctctcg	atacaacgct	ttgccatcct	tggagtctct	ggcggnggtc	cttacgcaat	360
tgcttgtctg	aaaaaattac	ctcgggagan	actcgtcggc	attggcacgg	nagctggatg	420
catgccccctg	tcattctcca	cccaagggnat	gcttgccata	acgcgtatna	tggtcaacgt	480
tgcgcgctat	gctacaacac	ccctttggat	gggtgataga	taaattacta	nggagcacag	540
cccgcnacac	ggaacattcg	gnaaaactgg	aaanacatga	tgatnaaga	tgtaacccgc	600
aaaacncccc	ccgacg					616

<210> 924
 <211> 581
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

<400> 924						
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gccaaatgtg	cccgagacaa	gtctagatga	gcctggcttg	gagcgctggc	cgtgcctgga	120
gtcggcaatg	cctctcgcaa	gctagaccat	catggctcgc	atgccacaat	agaacactgc	180
tacgaatcgc	accacgaactt	gtcccagcct	ttcgcgcata	cgcttcctcg	aatacgaaac	240
ctaccccagc	cgaactcgag	gctcggattg	ctgcgattcc	gattgaaaga	taccgaaact	300
tttgtattgt	tgcgcatatc	gaccatggaa	agagtacact	gagcgatcga	ctgctgggaa	360
tacacagggg	ccatctcggc	aagtgatgcg	aataaacaga	tctggataag	ctcgatgttg	420
ancgcgagcg	cngcatcact	gtcaaggngc	agactgttcc	atgatcccaa	attccagggg	480
gaanantact	gcttcattta	ntcgataccc	ctggccatgt	caattccnaa	canaaggttc	540
naaatctttt	gctnctgtgg	tggtgcattg	cttcttgtca	a		581

<210> 925
 <211> 778
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(778)
 <223> n = A,T,C or G

<400> 925
gacttgaacc agttgaatca aaacagcttt ggcttggcaa ctctcacaa cccatatgga 60
gttccttcta cctaccccgga tgtcaatgcg cctgtcgagg ctttcccgac ccttcagcct 120
tcaggcgctg atctgtcgtc aatggctcct cctgccatca atattgattt cgcgcccact 180
aattccaagc aggggtgcttt tgatacacc aagtcgcgta tggaccaaga ctctttgacc 240
ccaccagaca gaggtcgctc tagatcccg cctcgtgccc tgaccgaccc gttccatcct 300
ggcgggcggt tgctgggtcg ccagggcaat gtcaacatga tgcgtcttc tctaggtgcc 360
gacttgtcag cgcgttcaga ctccagatct ttgtcgctc ttgatagaca agcaggcact 420
tcgccttcta ggagaagaca gtccacatca gcagtgccca acaacgtcat tgctttgaga 480
ctggcgggac ccgagtatca gaacaacccg gacaacggcg ccactaagcg tgttcagaag 540
caccagacca ctttcagtg cacgctgtgc cccaaacgat tcacacgtgc ttataacctg 600
cgctcacact tgagaaccca caccgatgaa cgtcctttcg tatgcacaat ttgtggaaan 660
ggctttgcta gacaacacga ccgcaaagcg ggacgaaagt ctgcactctg ggcgaaaaag 720
aaatttgtgt gtaangggcg atttcaaagg ccggaggtca atggggctgc cgtaagaa 778

<210> 926

<211> 345

<212> DNA

<213> *Fusarium venenatum*

<400> 926
gagggttacg gtaacgccga ggacttcttc atggcttgcc ttgccattcc cgttgtcctt 60
gtcttctggc tcatcggtta cttctggaag cgaccccagt ggcttaccat tgacaagatc 120
gacctcgaca ccggtctccg tgagcacgat tgggaggaga tcaatgctta ccgtgccaaag 180
gttgctactt ggcccgttg gcgcagagcc ctcaacaagt ttatgtaaga ggagcaaatg 240
cttatcttgc agactttctt gacattatc catcactact atacttgatt cctctgatga 300
ggattgctac ttataacctt gttaatatatc tggtttatct tctat 345

<210> 927

<211> 628

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 927
cgaaatgaag tacgatcctc ctgcattagt ccaactcaca taaccctcag ggtatatgca 60
ttcttccacc tccaggatgg tgctaccgac gtcgttgatg ttgtggttgt tgctcttctc 120
ggcgacaaag gatttgaggg acacgacctt gcagccagac ttgaggtcga aaaacattcn 180
aaccaggtca tcgttgagct gcgatgtgaa ggcttggttg ttgacaagga ccacgtccgc 240
acgtttgagt gcctcatgga tgggcgcgtt cttacggaaa tcacctcgtt cgaaatgcac 300
cttgccctgg cggactcccc acaacatgca acgcgcacat aactccttnt tntgttcctc 360
ggccaggttg caagcattct ccatnatttc acagccccag ctttcacaac caatctcgag 420
ggccggttgc aaaaccacgt ttcgacacct gacccaaatc gacaaagacc tgaccagagg 480
tcattcgagt ttgctctacc aggaccttaa aaatgaatgg gtgtaaaaag ttccccataa 540
acataagtcn ggttccgtct cgtactttgg agangagttc cccttgaaag ccactgnncg 600
ggcataaatt tgatcaagtn tgaaanct 628

<210> 928

<211> 819

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(819)

<223> n = A,T,C or G

55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
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 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250
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 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750
 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800
 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850
 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900
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 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050
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<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G
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<210> 930
<211> 680
<212> DNA
<213> Fusarium venenatum
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<220>
<221> misc_feature
<222> (1) ... (680)
<223> n = A,T,C or G
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- 380 -

<210> 931
 <211> 591
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 931
 attccccgga gctcaggagg agcagacatc caactcagat tcttcgaaga ggacagtcca 60
 cgagcggctc tgacagtaaa gggccaaccc tttgctgctg tcatggtaga cttacccacg 120
 attactgagg cgatgaagac ctgggaccga aagtcgttcc tcaaactctgc cgatatttgc 180
 caaatgcttc tgggtctacgc caagatttcc agcgaagccg aggctaggga agcgactctg 240
 ccgagcatga tcgaccagca tttcagatgg ccacacggcc tgacgccacc catgcacgat 300
 tgtgcaaacc gacgattcgc aaagactatc agtcgtaagg agattgagga caaggaagcg 360
 gaagtccaac gctgcttgc tgaggacgct aaggctgggt cgacgcgctg ggaatgggtc 420
 gacgagacca agggacgatga cgatgacggc gccgacgaag atgcagacgg tgagattgac 480
 gacactatgg actacttcca ganccaggat ggattgttcg gcggcgaagg tgaagggtgac 540
 aacaactaaa anccgacctg gaagccgctt ttcgctggaa aantcagcgc c 591

<210> 932
 <211> 645
 <212> DNA
 <213> *Fusarium venenatum*

<400> 932
 tactcatata cactttcaaa atgaaggaca atagcgttcc tctttacact tcgccccaat 60
 tgggccagac ggtgacaaac tatgcggaac aacactcaac agcgttgccc aagtatatca 120
 ccgattatca tgcagacatc tctgctaacc gtgatgactc aaactacatg agctctgtgt 180
 tccaatctca gtacaatata tttctgggtc agtccactgg tgccaagagg gtccttgaaa 240
 ttggcgtcta tgttgggttc tccgcccttg tctgggctga tgctgtcggc cccgatgggc 300
 ttgttacccg gttggaattt gagcctgagt atgctgaatt gtccaagaaa gtctttgagg 360
 caaacggcgt caagaatgca gagatcatta tcggttcgcg ttctgaatct ctccccaaagc 420
 tcaacccttc tgagccttat gaccttgtct ttatagacgc ggacaagact ggctatcctg 480
 gatacctgaa acaacttctc gaactatcga agcccggtag ttccagcagg cttcttcgcc 540
 caagaacgct cattgtctcg gataatgtcc tgcgtcgagg cttggggtgc cgatgacaag 600
 gcactcgggt acgatgagct ttccgggaga acaagtggga aacat 645

<210> 933
 <211> 628
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 933
 ctactactcc cacacttccc aagactcata cactaccttc atgcttgaac agaaggaatt 60
 cgacaacaag gctgcttctc gtgcttctat tctcatgaag actggtgctt gcgttggtgg 120
 tacaatcatt ggttacttga gtcaattcgt tggctcgcga cgtgctattt gttgctcggc 180
 cttcatgtct gctcttctca tcccagcctg gatcctgccc accactgaag gtggcctaag 240
 tgcgagtggc ttcgatgatc agttcttcat ccaaggcgcg tggggtgtca tccctatcca 300
 tctcaacgaa ctgtctcccc ctgccttcag atcctcattc ccaggggtaa cttaccaaat 360
 tggcaatatg atcagcagcc caagtgcaca aattgtcaat gctgtcgcgg aaaanacatt 420
 tgncaactctc aanaatggcg acaaggctcg ggcatcggga cctgtaattg gcgttgccac 480
 aactatcatt gctcttggtg tcatcttcac cactatgttt ggtccggaaa aagcgtggac 540

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tacaatggca	gcactggagt	tgctccgaaa	ggaaccgatt	tcgaaaacaa	aggacaattc	420
agtatcatca	agtaogatcg	gagcaacttg	ggttgangta	tcctgatgac	atgagtnrng	480
agctacgtgt	ctgcttatgc	tgtactttga	nggatgtttg	gcaggactga	atattgtaat	540
tgctaagctg	gggaaggcgg	aaagcttgtc	ggaattgaac	ga		582

<210> 937
 <211> 600
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

<400> 937	
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aaaaccaaac	atcgatcgct
cagtagagcg	ccttgatagg
atcgcgatga	cgataacaac
caactctcta	tgttggcaac
tcgcaaagtg	cgnggaaatc
ttgcgggttc	tgntttgtcg
tcgnggggca	aaactngacg
ggcgcCNTa	ccggcgtggn
tacaagggaa	aggaggaatt
	gtaggggatc
	aagcccagga
	canacaattt
	ttttnngggaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600

<210> 938
 <211> 506
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(506)
 <223> n = A,T,C or G

<400> 938	
gcaactttctc	gatatactttg
gcaccagggc	tggttcgaga
cctcttgaca	ttctccagct
gatcaccaag	gctctgcaga
tcgcgctggt	ctcgtcgagg
ggtcacatac	cgtgtgttcg
ctggaggaca	actctgcaga
ggcccagaan	gancgcgaga
ggtgcccagg	aacgcgcgcg
	acagaa
	cctcgaggac
	ggaccacgag
	cactcccagc
	tgagattgag
	ccagcagcgt
	gtaccaagaa
	cgtcctgcgc
	ggagcgaaaag
	gtcccaacgt
	tggtatgggc
	60
	120
	180
	240
	300
	360
	420
	480
	506

<210> 939
 <211> 440
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 939	
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	ggtgttgggc
	gtttggccac
	cactgcgggt
	gcctcttcta
	60

tacaggctca	catcgactcc	ctcatcagca	attccagctt	ctccagcaac	cctaccaccc	120
gtcaggctat	cttgggaagcc	gcctcgagca	ttcttagcga	taagttttac	agcaccagcg	180
accaagtggg	aaactgcac	aaaccctata	aattcgagat	cgaactcgag	aaccaggagt	240
ggactaaggg	acgtgatcac	gtgggtgctg	tgcttaagaa	ggagctccag	gactgcgaga	300
gagccttgaa	aaacctcgag	gatagtgtcg	gcggaagacn	aaaaatcaaa	gatgtcatga	360
cctacgtcga	taaggcccgt	aagggtgagg	tcggtggttga	gggcgataac	cgtagcggcg	420
ccggtggctt	caacgctgct					440

<210> 940
 <211> 762
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 940						
ncttgctggt	ggttactcat	ggctaccagt	ttgttcatcc	tcagtgttgt	caaaattcta	60
ccagatcctt	ctgtcgtact	cggtcgtggg	cgggtttagna	ggcgccctgc	tcaattctcc	120
ctcctatgca	tccatcgccc	actggttcga	cntccgccgt	gggtcttgca	acaggctgtg	180
caatgactgc	aggatcaatt	gggcgggtatc	atattcccc	gtcgttgctg	caaaagctcc	240
ttcccacaat	tggttttgca	tggacnactc	gtatcttggg	cttcatcatc	ttgggtctta	300
ccgtcccggc	cacactcttc	atgcgatcac	gtcttccgcg	acaaaacaaa	agtaacttct	360
gtctggccgg	aacttgaaca	tctttaaaga	cctcaagttt	acctttgctg	cgtttgggat	420
cttntttatg	gaatggggtc	tnttcgtacc	attgacgtac	atcgtatctt	acgctggtag	480
atactctggc	gatgccaata	gctcttatac	gctcatttcg	attctcaacg	ctggttcatt	540
gctcggctcg	tttctccccg	gccttntggc	cgacaagatc	ggccgcttca	atgtcatgct	600
tcttaccctt	gggctgngca	ttctctcggc	tttcgctctg	gggctgccag	cttggttatt	660
tccaaaccat	tgatcatccc	ttcgcggttn	tatttggett	tggtctctggc	tccacctggg	720
ttngacacct	gtntgngttg	gtcaactttg	ngatccgggc	ga		762

<210> 941
 <211> 345
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

<400> 941						
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acaaaaagta	gtctggaatc	atggttgtca	atcgggtgctg	tgtatgtgag	ggtcagagta	120
ctcgaaggca	gattcaatga	cgaaagccga	tgggtaacca	gccttgagg	cagaagcgtg	180
gtcggagcag	gcataatccac	acttggtctc	aacccaagga	atatcgagc	actcctcaac	240
aacggtcttg	ataaagggtg	caagccggag	tcaacaaagt	caagtgatga	caccaacact	300
ttcgggcttg	tcgngtcaa	gagtcctttg	gattaaccag	tnagt		345

<210> 942
 <211> 356
 <212> DNA
 <213> Fusarium venenatum

<400> 942						
ccgtcgtgga	cgctgtccag	aaggacggca	agattgtcat	catcgggtgt	ggtgacaccg	60
ccaccgtcgc	caagaagtac	ggtgttgagg	acaagatcag	ccacgtctct	accggcgggtg	120
gtgccagctt	ggagctcctc	gagggttaagg	agcttcccgc	cgttactgct	ctgtccagta	180

agtaaataat	atccaatact	gttggagtac	gaagtatatg	aacctgttga	tgacggggaa	240
tgaaaatgga	aaaaggttgg	gcaggcaagg	ctagtctgta	gcaaaccaga	agaaagtaat	300
tgaataccaa	ataccaatag	aggcgtaaaa	ccgcatcaaa	taaaaaaaaa	ttttat	356

<210> 943
 <211> 629
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 943						
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caacagcagc	atcacctgca	acaacagcag	cagttacagc	agcagcagca	gcagcagcat	120
cagcaacaac	ttcagcagca	acagcaacaa	cagcagcagc	aacagctgca	gcaacaacat	180
catcagcagc	aagttcaccc	acaacatcag	cagcagcaac	aggctcaa	acacccccag	240
cagcagcagc	tccgcacccc	ccaacaagag	caacaacagc	tncagcacgc	acaacagcat	300
gaacagccaa	gagctcagtc	acatnagcag	ccagcgcccg	tcaacaaaag	cagcagaagc	360
agcgtgatca	caaagagagc	gcagagagat	caacaagccc	agcagcagca	gcagcagcag	420
cagcagcaac	aacaacaaca	gnaggaacaa	caacaacttc	agnagnaaca	acaacaacan	480
gttnggacca	acacacaaca	caacacagct	tnnacaggaa	aanagaggcc	agcagcagaa	540
cagaggagcc	cacagagaaa	acngccagag	ggncaagaaa	gcttttttta	agcatcanaa	600
cggggngggc	gcnaaanaaa	acggtgtn				629

<210> 944
 <211> 614
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 944						
agcgcgctcg	ggcgtaacct	gatgtgcagc	ctacacacat	tcggttctgg	acggtacaca	60
cctcgacaaa	taatcctaag	gcgccctgtga	naagagggtgc	gaacccaact	ctgcgacaga	120
tcctcagccc	catgggctca	actgctctca	actctactca	aaggagcgac	gctttctact	180
ttgaggtgct	tgagattagt	cttacggagc	tcgacaccaa	gaagagtatt	aaagttacct	240
tggtgagtga	gggtataaca	aaggaggata	cgtacgacct	gctcgtcccg	aagactggaa	300
ccatggatga	cttggttgaa	gctttgataa	agaaagcaca	aatttctagt	gaagccgaaa	360
gcggaagaat	tcgcatctat	gagacgagct	caaaccggtt	ntatcgtgaa	ccttctcgcg	420
atcatcccg	tattaacctg	aacgagtcnc	gacagtctac	gcanaacgaa	gttcctcang	480
acgagatcaa	cgcccgcgac	aatcaattcg	tccaagtttt	tcattaccaa	aacgacgtca	540
gccgcgtcca	cggggtgccc	tttaagttnt	tggtcattgn	gggcgaaact	tttgcnagcn	600
cccaagaaga	gact					614

<210> 945
 <211> 652
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(652)
 <223> n = A,T,C or G


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<400> 945
gcatgttgag cgcgccaggg gacttgtcga tacaggcggt gactgggacc gccgcaaccg      60
cctcaaggcc tacgagggcc tgcacctgct caccgttcga tcctacaacc tcgctgcgcc      120
gctgctcctc gactcccttt ccaccttcac cagttacgaa ctctgcactt actccaacct      180
cgttgtgtat tccgtttctcg ctgggttcagt tccctcaag cgagtcgatt tcaagtcaaa      240
ggttgttgac gcaccagaga tcaaggcaat tcttggtgat ggtgaagaca agctgctagc      300
tcttagcggc gctctcagtg ccggcccagg tgctgatgac actaccggcg cgaaggcacc      360
taagacggcc accgctgctg tgaacctgac cacactgggc tcaagcgctg atcagcccga      420
agctgagatg gccattgact tcagcccctt ggcccttgctc gtcaagcagc ttgtacaaag      480
ggcgactaca anggcttctt cacttctctg gccaacgttg aggangcgtt nctgaaccaa      540
gatcgctact ttacgagcac aagaactggg tcattcngga gatgcgaaat ttgcgcttac      600
caacagcttc tgnaaaagtt accgngttgn ccggccttga aagcatgggc na              652

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<210> 946
<211> 613
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

```

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<400> 946
gtcgtcgcgt tattaatcag ttatcttttt ttatctacta tctttaattc actatgaagt      60
tcttcagcac tcttagcacc cttgcggtgg ccctcatgat gagtggcgag gctctggctg      120
gtacctacaa gggtttcagc attggcgcca acagggtgta tgggtgcctgt aagtgggagg      180
ccgactggaa gaaggatttc caggccatca agagctggaa caagggtttc aacgctgttc      240
gtctgtactc tgcctctgac tgtaacacac ttgtcaaggc tgtccccgct gccaaaggcca      300
ctggcatgaa gatccttggt ggcgtctggg ccaccgatga tgctcacttc ggccgcgaca      360
aggccgcctt cctcaaggct atcaagcagc acggcacccg ctggatcgcc gccatcagtg      420
tcggatccga ggacctctac cgtgaggaca tcttccccca gaagctcgca cagcagatct      480
acgacgtccg aggcattggt caccaatata acaagaaacc tcaaggtccg gacataccng      540
acacctggaa cgcttgggtc gacggnccga aacaacgtcg ttaccaagg cctgcgatat      600
cgccattaca aac

```

```

<210> 947
<211> 428
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

```

```

<400> 947
caagcaaadc attcaccatg ggtaaagttc acggatctct cgcccgtgcc ggcaagggtca      60
agtctcagac tcctaagggtc gagaagcaag agaagaccaa ggtccccaag ggccgtgctc      120
tcaagcgctt caagtacacc cgtcgattcg tcaacgttac cctcaccggt ggcaagagaa      180
agatgaaccc caaccccggg tcttaaacga ttggttaaaa acgacaagat ttgcggaatc      240
gggattgttg gcttgccgac cacaacaatg gttgacttca ctacgtaatg ggatgatgga      300
ttgggtcggt cgggtcgcat ggataggctg agccccctta tgaaataaaa aaggaaatgg      360
caaagaagcg ctacgaccct actcggcgct cggtgtcagt tgtcacaatg caacaaacat      420
ttgttcgc

```

```

<210> 948
<211> 365
<212> DNA
<213> Fusarium venenatum

```

<220>
 <221> misc_feature
 <222> (1)...(365)
 <223> n = A,T,C or G

 <400> 948
 atcttacact cgtgttgacc ggcatacct cgaaaatggc tccaagaca atcattgccc 60
 cctctatcct gtcggctgac tttgtcagc ttggccatga ctgtgcccgc accatggagc 120
 agggcgcgga ctggctccat gtcgacatta tggacggcca ctttgttccc aacatcactt 180
 tcggctcctcc tatcgttgct gccatcccga ggccacgggt ggatcaagcc caccgaggcc 240
 cacgggtcgg ggcacctttt gattgtcata tgatgatcgn agaagcccaa agaaatgggg 300
 tcaagggaat ttaaagaaa gctgggctgc aaccttttac tggctttcca ttaccgaagg 360
 gccgg 365

<210> 949
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

 <400> 949
 gttggttgcc attatccagt ttcttcgtca agcctgcaac gccattcgca accaagaggc 60
 tgcagatgga agcatgctcg gatacgccct gttctgttgt gtcggatgtt tgttgggtct 120
 tttggagtgg gctgttgagt tcatcaaccg ctacgccttc tgtcacattg ctctctacgg 180
 aaaggcctac ttgctggctg ccaaggatac atggaaagat gatcaaggga ccgaggaatt 240
 gacgttcttg atcaatggac tgcctttatc ggacccggcc ttttcctttc ggcgcctctc 300
 taatcgcaaa cngcctgcac cctcctcgcc tanctctacc tttacttcac cgaccnngct 360
 acaacaagcg acggncaata caccgggtgc gtnttggcct tttccttcct catcggtctc 420
 aagatcgaaa acgttttaac cacacccatc tccagcgggtg tcgaaaccat tttggtcgct 480
 tctgggttgg gacccccaaag gtatgtggcg cgaacacccc gagttgacaa cgagatgggc 540
 agggatatacc ccaagggtca acangtctat tcaggaccgc ttaaatgggg aatgtnttgc 600
 atcggaaaaa aactggattt ctg 623

<210> 950
 <211> 602
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

 <400> 950
 cccgacttgt tcattttctca acaccaactt cagcttatca ccattttcaa ttcccacgtc 60
 aaagtcgacg actcgggaat tacgagaagc ttgttctctg cagcttcttg cctttgacgt 120
 ttcttctctc cgtcctcgtc gacaatctac cgtcctcttc tcgactttgg gtcaattggc 180
 tgttcaacaa acgtacatca tgtctcgcat ccttcgaccc gcagctcgcc ttgctgcttc 240
 gactcgagct atccgtgctc ccgttgctcc ttcggtgccc cagtctgcca tcaccgcgc 300
 tgctcttgcg cgaccggttg ttttcgggtc cgcccagacc cgatcctacg ccgacaacag 360
 ctccggcgtc aaggagtaca ccgtccgaga tgcgtcaac gaagctctcg ctgaggagct 420
 cgagcagaac gagaaggctc tcattctcgg agaagaagtt gcccaatata acggtgccta 480
 caaggtgacc aagggtcttc tcgaccgctt cggcgacaag cgtttnatcg acaccccatc 540
 accgaatctg gtttctgtgg tctcgtgtgc ggtgctgccc tcagtgggtc ccaccggtg 600
 gt 602

<210> 951
 <211> 585
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 951
 ggtggcgaac gtgaatggga ccgcgaccga ggggtcttccc gtcgagatgc caggcgcgac 60
 gacgacgaac gaccaagcag gcgagagcga gacccgtacg acgatcgccg ccgtggagga 120
 ggcagggacc gacgtgagga tagattcccc gcgcctcagg aacgtcgaag cgcaagccccg 180
 cctccaaaga agcgagaacc aactccccgac ctgacaaata tcgtgtctgt tctcgagcgc 240
 aaccgtcgcc tgacacagtg ggatatcaag cctccaggct atgacaatgt tacggccgaa 300
 caggctaagc tctcgggcat gtttcctctt cctgggtgctc ctcgacagca acctatggac 360
 cccagcaagc tccaggcttt tatgaaccag cctgggggac aggtcacaag tgctgggtctc 420
 aaggcgagca actctcgcca gtcaaagcga cttttggttt ccagaattcc tcctggcaca 480
 agcgaagatg cgctcatggc attcttcaat ctgcaactta acggactgaa catcatcgac 540
 accacagacc cctgtgtttt gtgtcaattc tccaacnaac ggtca 585

<210> 952
 <211> 500
 <212> DNA
 <213> Fusarium venenatum

<400> 952
 catctccatg cgtgctctcc tcaaggataa ccttgagaag ctcggctcca agcaccgactg 60
 gtctcacatt accagccaga tcggcatgtt tgccataact ggcctaactg ctgaggagat 120
 gacccgtctc gccgaagagt tctccgteta tgccaccaag gacggccgta tctccgttgc 180
 ttggtatcacc tctgagaacg ttggccgcct cgctgaggcc atctacaagg tcaaggggta 240
 agtataagag aatagcagct taataaaaagg aggatgtgtg ctaggaaaac ggcgtcgcgc 300
 caaacgaacg acgccttgaa atcaacatca cgctacgatc agaaggctgt cggtcgggga 360
 cagatggatt gaaaataccc agatcttgat ctagggtcaag tgcccgactt ggccaattaa 420
 tgacgcggtg aagacagctt gaaaatatat gtatgagtaa actgaatata aaacacgaag 480
 ctaatgtgtt gaaaaaaaaa 500

<210> 953
 <211> 311
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(311)
 <223> n = A,T,C or G

<400> 953
 ttccacteta tcacctatac ccctccatca cataatatag cccatcatgt ctggccctgt 60
 cgcggatctg ggtcttatcg gccttgctgt catgggacag aatctcattc tgaacatggc 120
 tgacaatggc ttaccatctt gcgccttcaa ccgaaccgct tncaaggncg accgattcct 180
 nganaacgaa gccaaaggca aagtccattg ttggccccac agcgttgagg agttcgtcaa 240
 caaactcaan tctcccccg tnatgccctt tggtaagct ggccaagctn ttgattactg 300
 gattgaaaaa a 311

<210> 954
 <211> 606
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

<400> 954

cagagatcca	catgaaagat	tatactgtcn	ctgcacggga	tggatttgct	ctggagggtac	60
gaacttataa	accacctata	gccgacaagg	acgcccgtct	tccgatctac	atccacctcc	120
acgggtgggg	ctatgtatatt	ggaaacattc	cttcagaaga	cgctatttgt	accgccattg	180
ctcttggagc	caacgttacc	gtcgtgaacc	tgaactaccg	ccatgcgccg	gactttgctt	240
tcccaacagc	gtgggacgac	accgaagaca	ctttccactg	ggttcacgac	aacattgatg	300
aactcctcgg	caacccaagc	caagtcttag	ttggcggtnt	ctccgccggt	gcccactctt	360
cagctgcctt	gacactgcga	caaaatatgt	cgtccgatgg	cctttcacna	cctaagcttg	420
ccggnccagg	gttgatgac	cctgccta	tcacccggat	tcctacgcgc	ccgttctcga	480
acagctcaaa	gaccttcact	atcatcatat	gtccagaang	cggatgctcc	actcctccaa	540
caaggcggn	gtggacaagt	ttaccagccg	ntaaaatttc	gaatccagna	tctcangggg	600
tagaca						606

<210> 955

<211> 607

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(607)

<223> n = A,T,C or G

<400> 955

aaactttttt	cctttctctt	cttattccca	gcctttttat	tctttacagt	gtattcacia	60
tccaaatacc	gcctaatacat	gcgtcaaaac	ctaccgacac	aatccggttg	caacggtgat	120
ggacaggatt	tgtaccttcc	cgacaacatg	ctcgctcgcc	acccagcaa	gcctcatatc	180
ggcagcctgg	aggagtacca	acagatgcac	cagctctccg	tgacggaacc	tgatgctttc	240
tggggaaacc	tcgccgcgac	cttctcacgt	gggagcgtga	ttttcacacc	gtcaagagcg	300
gtctctcatc	gagggcaacc	cttcttggtt	tctgggcggn	aagctgacgc	tttttnaact	360
gcgtggaccg	gcatgcgctc	aagaacccaa	caaggctcgcc	atcattacga	gactgacgac	420
ggcaccaatg	gcaagtccat	acctacggag	agctcttaag	caggtcaaca	aggttcatgg	480
ctcttaagga	tctcggcggtg	aaaaaggcga	caccgtgnca	ttacatgcca	tgattctgag	540
ntntggcgca	tcttgctgtn	ccgatngggc	ttgtaatttg	cgtttcgtgg	atttantggt	600
cctaggg						607

<210> 956

<211> 513

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(513)

<223> n = A,T,C or G

<400> 956

caatcagcag	caatggcgaa	gtcaaagaac	agctcccagc	acaaccagtc	gcgcaaggcg	60
caccggaacg	gaatcaagaa	gcccaagact	tcccgttacc	cttctcttaa	gggtaccgac	120
cccaagttcc	gacgaaacca	tcgacatgct	cttcacggca	acatgaaggc	cctgaaggag	180
gctaaggagg	gcaagcgcg	gactgtctaa	gcactcggca	aaggaatatt	gaggcgtcaa	240
tttggagcat	tcgcatgct	cggttacggc	atacacacga	tagaacctgc	gcaaatgaac	300
gatggaaata	ccatacgatt	agcccagacca	aaaaagggtg	tggatgtcga	tccgtacgct	360

tcggcgaatg	atgttgtgac	agtccccgagt	aaagcatgtt	gcttggcttt	tcaggaacat	420
gaggtganta	cccgaactc	tgcttgaact	ttnaanaaaa	aaaaaaattc	ntgnngcggt	480
ngactttgct	ttnnaggcca	attcgcttat	ggg			513

<210> 957
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 957						
atcgattcca	accacgtcgt	taccttcctg	cagcgacttg	ccggtaccaa	tatcgagcat	60
gctgacctac	tctgccgttt	ctacaccaac	cgcagtcgct	tcttcgacgc	agccgaggta	120
caggccgaaa	cttgctaact	ccgattttccc	tatcagcatc	aaggatcgaa	atcagattgc	180
tcagcttggc	caaggctaata	gccaacgttt	ctacgactgg	tattagccga	cagcagcaac	240
agatgctaaa	ccacagcgtt	actgagttgt	tggagattgc	acacatccag	gacgatctgc	300
ttgaacgatt	gagagccgac	gaccgtattg	atcccagagan	gtctattgag	attgangatg	360
ctctcaaggg	caagatccag	ggctctctccg	agcttttcaa	cgactatgcc	gaccaggctg	420
gttactacaa	cctgtgtttg	ctcatctacc	atgttgccga	ttaccgtaac	cacatgacca	480
tctctggtac	atggaagcaa	cctgatccag	cagacacaca	atgaaantct	tgtctcggt	540
anaaaatgtc	tgaacctgga	atgccctcgc	caccactacc	cta		583

<210> 958
 <211> 445
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(445)
 <223> n = A,T,C or G

<400> 958						
tcaacgccgt	caccatgccg	agccacaagt	ctttccgaac	caagcaaaaag	cttgccaagg	60
cccagaagca	gaaccgccct	gtgcctcagt	gggttcgcct	ccgaactggc	aacaccatcc	120
gctacaacgc	taagcgaagg	cattggcgca	agaccaagct	cggtatctaa	gctacctctt	180
ctcaaccggt	gtccgccccc	agcaccgcac	tttctctctc	ttgggcatgg	tatcacgatg	240
atgttaaagg	aaaggggtgga	ttgattttgt	atggcggtgaa	ctatgggacc	gtgtcggttag	300
cgcacgcgca	tacacacggt	gggggatggg	ccggatgcct	ggtttatcga	ttatcgcggt	360
tactgnatgt	cacggacngt	catagggaaa	aagggaatgca	aaaatctgat	gccccaaaag	420
aaacggcctn	aaaantatnt	atttg				445

<210> 959
 <211> 816
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(816)
 <223> n = A,T,C or G

<400> 959						
cactcatcca	accttaatac	gtcactac	tccaaccaa	caccaggcac	caccaccacc	60
aaccgccaat	atgcagatca	agtctcttct	catcactcct	ctcgtcgccg	ctggcgctgt	120
ctctgctgca	ccaaggcta	gcagcacc	caagactgtc	aacttccaag	gccttgccct	180

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(558)

<223> n = A,T,C or G

<400> 962

ctttgttgca	acaacagtaa	taacgacctt	tggtcgtana	aagaaaaatg	atatggccgt	60
tcacatcgaa	tgactccaag	aaggaaaaatg	agaggaaact	cgaanaagag	gcgaagcggc	120
gggtccgtctc	atggacagat	acaatanccc	gcctcanatc	agatcctttc	gatgcancac	180
aggcctgggc	gcccgtgggt	ntatttccac	tggcaggcat	ggcagctctt	cagctgtacg	240
caaactacct	tcgtcgcata	cctgggtcag	cgtatatgcg	tcccaacttc	tccnaaaca	300
gaagtatcta	tggtcgggtt	accagcgttg	gtgatgggga	caacttccat	ctcttccata	360
ctccaggtgg	tcgttctttg	ggatggggct	ggctaangan	aattcccga	gtccgcaagg	420
acctaaaaga	ccggacgac	cggatccgca	ttgctggcgt	cgacgctccn	gaatgcnccc	480
acttngggaa	gccanccacc	ttattcagct	gaggcactgg	catggctaaa	aaactttctc	540
ctcaaacc	acgttaaa					558

<210> 963

<211> 511

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 963

ctttcgtcat	ccaccaagc	tcgacttcta	tcgacaacca	cagccaacat	gtntttctcaa	60
cctgaacacg	ctactctgct	cattcccggg	cccattgagt	tcgacgatga	tgctcctcaag	120
tctatgggccc	actacagtga	gagccacgct	ggccctgggt	tcgtcaacac	cttcggcgag	180
accctctcca	tgacccgcaa	gctcttccaa	tcgaccgacc	cctccgccc	accttatata	240
atttcgggtt	ccgggtactct	aggatgggat	atcgctcgctg	ccaaccttgt	tgaggctggg	300
gaggacgccc	ttgttcttag	cactgggttac	tttggcgatg	gcttcgccga	ctgcctgcgc	360
gcctacgggtg	ccaacgtcac	caagatcgac	gngagggtg	gtggccnacc	tcactccccg	420
agatcgaaaa	ggcctttccg	agaanaagta	caagatctta	cagttacaca	cgtngacaca	480
taaacaggng	tcctgagtga	ctcaaaaacc	t			511

<210> 964

<211> 668

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(668)

<223> n = A,T,C or G

<400> 964

aggagagcta	ccctctggag	aactacgtcg	atattgagag	ctatcagttc	ctcgacattg	60
tcaaggagcg	atccaacaac	gatgagcaag	aaatcgacaa	ggccttcaac	gctctacagc	120
acttgggtcg	ggatcatgcg	cgtatcccca	tttgttggag	cgatggaaag	cacggaggat	180
tctcaaaaagc	agctgaaaag	gctggactac	ctatcaaagc	tccttggatg	caagctcacc	240
ctctatcccg	agaagncaat	ggcgcgtctc	aactagacga	tccacaaagt	gtcctatctt	300
tctgggaanaa	agccattgct	ttccgaaaag	agtttcccg	tcttactgtg	tacggagatt	360
acaaggtcat	tcgtcaggat	gactctgata	tttatgcttt	tgtgaaggag	tctcctgcag	420
atggatccaa	ggttgctgtc	gttcttaact	ttactaccga	agacaagacc	tggagtgtct	480
caacttctga	anaagtttgg	gagttactat	tggaaaagga	tgtaaagctt	gttccgatna	540

tgtctctcac	actggaaaag	aaaaaaacag	ctgntctgcc	ccntttttgan	ggacaagttt	600
tttggtccaa	tagagaacat	acctnnaaaa	agggggccng	tccaaaatgt	taagattana	660
agngtctc						668

<210> 965
 <211> 649
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 965						
ctgagtgcta	caagtgtggt	gagatcggcc	acattgcccg	taactgccag	aagtcctctt	60
acggtaacaa	ctacgggtggt	ggtgggtttcc	agcagggcgg	tgccggcaag	acctgctact	120
cttgccggcg	tttcggccac	atgtctcgcg	agtgtgtcaa	cggcatgaag	tgctacaact	180
gtggcgagtc	tggccactac	tcccgtgact	gccccaaagga	gtccgctggt	ggtgagaaga	240
tctgtacaa	gtgccagcag	cccggacacg	tccagtctca	gtgccccggc	aactaaaatg	300
gtggctcggg	ttctcagtat	aaccactgag	gcgagttaga	cgtggcgact	tggtgatacc	360
cacggacgat	tatttcctta	ttctcttacg	gcatttttca	caaaagttca	tttcctcaca	420
cgactttaat	gatcatcacg	gcaagaatgg	cagctcacaa	aaacacaacg	tgcgcaatct	480
tcgacaaaag	ctggcgggcg	ccagccttga	ttggaacata	tcaccattgg	atttcgtcaa	540
ccgactggac	caacgactac	gaccatacat	acgactcaac	tttgaaagaa	aatggtgacc	600
agtggagaat	gacnaagatc	aaaaagggta	tcttggtggc	ttggtaatg		649

<210> 966
 <211> 641
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 966						
ctccatcacc	gcaacctcac	cacttggcct	tcccgcacca	atgtcaaagg	ctctcaacac	60
caacatcaag	cacctcacaa	catctctcat	tcccagtcgt	gagaacatgt	ttcttgagtc	120
taaagcattc	atcgagcagc	gcacgcgtcag	agaaatcttt	cccgattttg	tcaagcaaca	180
gttatcgcaa	tgcaccagtt	tggtctctgtc	cctcgatgca	gaaggcgact	ctccactgaa	240
cccgatcccc	ggtttgaagg	gttctttctg	cctcagcgat	ccctcgcgat	ctggaaaccc	300
gattactttt	gcctcagatg	agtttgagga	attgacagga	tattcgcgaa	ccgaagttct	360
cgcacacaac	tgtcgatttc	ttcagggccc	ccagactgat	cgggatcgca	tcgccaacat	420
gcgctcagcc	atctggcgta	acgatgaatg	tacagagctg	ctcttgaact	ttagaaaaga	480
cggnacacct	ttctgggaanc	tcttaatcct	gtgtcctcnt	ctcgacaaaa	ncggnaagac	540
aaagtttttc	atgggggtgct	caaantgatg	tttcatcctc	gatacacgac	acaagacgaa	600
gttctcaaag	attctgtctt	aangngngcta	tggaggggaan	a		641

<210> 967
 <211> 520
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = A,T,C or G

<400> 967
ctggaagaat tcgatttggc atcggtcgct ttaccactga ggcagagatt gattacgtcc 60
tcaaggcagt ccaagagcgt gttagtttct tgcgcgatct gaggccccctg tgggagctcg 120
tacaggaggg tatcgacctc nacactattc agtggagcca acattaggct gtcctgtaat 180
gaatacgacg actatcacac ttaccccgac ttctctgact agtgtcaggc acgggatgta 240
tatcaaggac gttaatgaca aaatggcccg ctggagcgag gctcagctgt gcctgtatag 300
catactgtaa tatcagagat acctctttct ttaaattctg gagatnaaaa cagggagtc 360
ttggttcaag gagcttgcaa ttatcggggt atctggccaa aggcnaacaa acaggcgct 420
ntttcaaagtg tcccaagagt taggaatant ctttcttatt ggaaacgaat gatcanagca 480
aatcaaagggt atntgtccca caaaatgaga caccacaatt 520

<210> 968
<211> 519
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(519)
<223> n = A,T,C or G

<400> 968
attgccaatg ccgaggaagt cgcattttat ggaggcgccg agactgaaaa gacctttttg 60
aaccgcgagt tcaagtcgct aaagacttgg atggaaggca tctacatgct caagatccgt 120
tacaatattc tgaagattt catcctcaaa tacagctgga gtgcttacgg ctacttgctg 180
gcatcgctac ctgtcttct accggcctgg ggtggtgctg gaggccgggc tgaaatgatt 240
ganaatgctg tacggggagg acgggaacgt aatcgatga aggagtttat cacaaacaaa 300
agacttatgc tttactcgc agatgcagggt ggtcgcatga tgtactcaat caaggatttg 360
tcagaactgg caggatatac cagccgcgtc tacaccctca tctcgacatt acaccgggta 420
aacgccgatg cttaccagggt tcganctgga cagancgaac tatattctct gtccgatgtt 480
tcaggaacta ttcanaagggt attcgatggc gttcgatgc 519

<210> 969
<211> 745
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 969
cctacctggg acctgccctg ttggtatata actcgagaca cgttttaccaa agcacttctt 60
gtttcctaca tctacaaaac ccccttccc ctccatgaat tttctacgaa gattcactcc 120
gcttcgatct ttctctcgaa catttacaac aacacgcgca atcatgtcta agctctacgt 180
tggaacacctg tcctggaaca ccacggacga gactctcgt caaaccttca gcgagttcgg 240
tcaggctact gactcgatca tcatgaagga ccgtgagact ggccgcgccc gtggtttcgg 300
tttcgtcacc ttctctctt aggaggangc taccgctgct gtcaacgcca tgaacgagca 360
ggagcttgac ggtcgtcgca tccgagtcaa cgtcgccaac gcccgcccct ccggcggtaa 420
cggcggtttc ggtggtggtc gtggtggtgg ttacggcggt ggccgtggcg gttacggcgg 480
cggtgaccgc agctacgggt gtggtgaccg cagctacggc ggtgaccgag gtggttacta 540
agagacttga cttggcttga cttgacttct tgacttggac ttccgcatca ccagatgtgg 600
gctgacttct atcgtcgccc ctaaaccgaag aaaataatga actgatgggt gtggccgctg 660
aaaacacggt ccctcgagat tgacgatgga aagggactat tcaaagatac cataggacag 720
tgaaacgctc ttcttttttt ctcan 745

<210> 970
<211> 213
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(213)

<223> n = A,T,C or G

<400> 970

agtcagtgcg	agcagcctgg	tgcatcttt	cctcgaaggg	ccggtcttgg	ctattgagac	60
aacagatcag	gttatggacc	tgatgcgcga	gacatgtctc	tcggaaccgc	atggctggcg	120
acaggttgaa	cactcagtta	cnactacgga	gaagaagtac	atacgggaga	ttcatgacca	180
gttggacacc	tggcgataca	ngtatgaaaa	gaa			213

<210> 971

<211> 657

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(657)

<223> n = A,T,C or G

<400> 971

ggtttggcgc	catgcaaata	gtatctaaca	atgcctccat	gactcctgag	caaatacatcg	60
agggcgcgaa	gccaggccaa	acctttgggt	ggcaactcta	tggttcagaat	caacgagaca	120
agagtggagg	tatgcttaaa	cgtatcaact	ccatgcgaga	ctattacaag	tttattttgct	180
tgacgctgga	cgcgcctggt	ccaggaaagc	gtgaattaga	tgagaagcaa	aatttcgact	240
actctgagcc	aagtcctgcc	agtggcgaga	gcaagcccg	cgctggaggt	gttggtcagc	300
agctattctt	tggtactgct	gctgacttga	cgtggaagac	gacccttcca	tggtggcg	360
ctcataccga	tctgccaatc	tactgaaggg	tcttcaaacc	catgaagatg	ctaacctagc	420
ggccaaagta	ttgctcccaa	ggtaaaggcc	atcatcctgt	ccaacctatg	ggggcgcgct	480
tgccgacaca	agttccttca	nccattgcat	acattgggtc	gagaatccgc	aaggactggc	540
ccgaagtctg	agcaagggtc	aaatatggat	ggacggaggc	ttaaagcgan	gaacanacgt	600
tgtaaaagcg	ttgtgccttg	gcncacccg	cgntggtatt	ggacgtctgc	gcttttc	657

<210> 972

<211> 619

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(619)

<223> n = A,T,C or G

<400> 972

aggaaagctg	cactgggtcg	acaaccacaa	atatcgcatc	cacgtctact	gccacggcaa	60
caagaccgac	tcaaagggca	acgagctccc	taccgtctta	ttcgaggccg	gtgagcgaac	120
tgtcgaatac	gaattctgga	atthttgccga	caatgccgtt	aagaatggat	ccatctcgcg	180
atactgtttt	gctgaccgcc	ctggctacgg	ctggtcagac	aacgcgccct	ccccttcac	240
agcgggcttc	gtggtcgata	ctcttagcga	ggctctggct	gatgctgggg	agagtggacc	300
atgggttctt	gccagtaccg	gtattggatc	gatctactcg	agagtctttt	cagcacgaca	360
tgagagaccat	atcaaaggct	tactccttat	cgacctcta	catgaggatc	tacttgatga	420
tgctgcacat	ccgggacgtg	gatttatcct	ttggctctgg	ggggtattct	tcactcggat	480
ggaccgaatc	ctggggcatc	ttcgcgga	acaagccgcg	accgagttat	ggacgatcag	540
acancagacg	gnaaattatc	tttgccaact	tgaggaaaac	ctgtggtggt	ctttacttga	600
cngaccgcna	caaccgcaa					619

<210> 973

<211> 569
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 973
 aaacagaatc taacatccaa acgaaccgcc aaaatgtccg acgacgaggg tattttcaatc 60
 tacgatgagg tcgagatcga ggacatgacc tttgacgagg ccatgggagt ttaccagttc 120
 ccttgccctt gtggcgacaa gtttcagatc accttagagg acttgctaga tgagcaggac 180
 atcgtgtct gtcccagctg cagtctcatg atccgagtta tctttgacct ggacgatcta 240
 ccaaagcctc ccacttcagg cgcctcaggc gggcagggtcc ccattactgc ctgagtcaac 300
 cgaaaattac gatagaaaaa taatacaaat tgcagctgcc atgtgagaag aaatgggtaca 360
 gcaaacttgt gctgcgcgcg gactacgaca atcgtatcag ttcctcaagc cattcgngga 420
 aacctggcac gaagcgacac gacaagaaat atcggacttt natTTTTngta cgccctcnac 480
 ctgcttgaac aaanaaattt cttnttcag ggacnggaag aaccncana atgcnttgat 540
 cctggcggga tatgntgatt antctcggg 569

<210> 974
 <211> 799
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(799)
 <223> n = A,T,C or G

<400> 974
 cctgacagcg atgtgggttca gcctctcact cgcaagacct ttgagcaact tcctcagaca 60
 atgcgcaaca tgagtgtcta cggaaagact atcttgctca ctgggtgctgc ccgtgggtctc 120
 ggaaactaca tggctcgcgc ctgtgctgag gctgggtgcc agaacatcgt cctctttgac 180
 gccaaaccagg agctcgggtga tcaagctgct gctgagcttc atgacaagac gggcctccct 240
 gtctcattct tcaaggctga cgtccgtgac ggtgcttgcc atcaacgctg ctgtcgatga 300
 gggtgttgag cactatggtg ctccctgatgt tcttgctaac tcagccggta ttgccgatcc 360
 aaacattaag gctgagacat acgaccccg cgtgtccgt cgtctcatcg acatcaacct 420
 tacgggatct ttcctcatgt ctcaagctgt cggccgtgcc atgatggccg ctggaaagcc 480
 tggcagcatc attttggttg cctctatgtc tggctccgtn gcaactttcc cttcaggagc 540
 agagcttggt caaacgncct caangcgggt gtcataccaac tcggcnaagt cccttcgctt 600
 gctgagtggt gccaaagtac acattcgaag tcaaactgca tctctcctgg atacatggga 660
 cactgccctc aaccgagtgc cccgctcttg acgcacagaa caaagatctg gaagtctctg 720
 actcccaga accgcctcgg gtaacgttga naaagcncaa cgggtctctg catcttcctt 780
 gcctccgact cttccaaat 799

<210> 975
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 975
 ggaagacaag gtcttaagat caagcacatt caggacgctt ctggagttcg catgggttgc 60
 cagaaagaga tgctccctca atctaccgag agaatagtcg aggttcaggg tactcctgaa 120

ggcatccagc	gtgctatctg	ggagatctgc	aaatgcttgg	tcgacgactg	gcagcgaggc	180
actggcactg	ttctctacaa	cccggttgtt	cgactcagc	cttccaacag	tggtaacacc	240
agtgggtggag	caggggttcaa	ccagggctct	ggcaggagcg	attatggtgg	tagccctcgt	300
gtcatgcgaa	caggcaacgg	tgccgacttc	agcaacggta	gctcaaggcc	ctataaccgc	360
cgttccgact	ctgacgcagc	tcttcgaggc	ccacccactc	acgacgagaa	tggcgaggag	420
atccaaactc	agaacatcag	tattccccc	aacatgggtg	ggtgcatcat	cggacgtgct	480
ggnagcaaga	atagcgagat	ncggagaaat	naagcgcacg	catttcattg	gcaagnaccc	540
cacgatgaan	atggngagcg	ttgttcacca	ttatnggtac	cggttangcc	accaagtcgn	600
acnttttctt	ttgtntanaa	actaaaaggn	g			631

<210> 976
 <211> 662
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(662)
 <223> n = A,T,C or G

<400> 976						
catgcagtac	ttcnagaact	ccacgttgcg	aacctcaaac	gccgtcacat	cacgtcacct	60
acgctttcca	cttgctcgcg	cgcattaaac	ttgtataaaa	aatgtctgat	atcgaaaccg	120
tctcttcctt	tgtagaggga	gctcctccag	gagagctcgc	cgacgttatc	gcagatatca	180
aatcgctgac	actcgactcc	aaccccgata	tcgtcaataa	cctcgcgccc	gccttcgaga	240
agtacaatga	ggagcaattt	gttacgggtga	agctgcctgg	tagcagccaa	ccagttatta	300
ttagctctta	caactctctc	ggagacggcc	gatacttcga	tgttgagacc	tcgtccagct	360
tcgccttcga	ccatactacg	cagaaagcca	gtgctgtcca	gagccacgta	ttggaaggag	420
ctcaagcgga	ccttggtcaag	tccatcctca	agancatcgg	tccttacggt	gaaaagcact	480
ttggcaacgc	tgcgcatggc	gtctacccaa	tcgagtcgga	ctccaagant	gccatcgtta	540
ttgtcggnaa	caaatacagc	ccttacnact	tctggaaocg	acgccggtgg	atcgctttac	600
atctggcctt	attngggcct	gaggttttta	ggttacggct	nttcagggcc	ggaatttgnt	660
nt						662

<210> 977
 <211> 596
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 977						
aaccaaacaa	aggcaaagaa	cgacaagaaa	gatagctcga	cttctttttt	cttccaacaa	60
ggacaaggac	gaaagacaaa	aaaaagacca	cttttggttt	attaatcgag	ttacttactg	120
tacacaccga	tatatcacat	accccgccaa	tcttttctact	atggcagatg	tcccgtcgtg	180
tgtcatttct	gaattcgogc	agtcggagcg	tcgaatcact	ccctcgtggg	ccatctccca	240
gctcaagaca	aagcttgaga	ctgtcacggg	tgttccaccg	ggttgtcagc	gactttcgtc	300
gaagcctaca	gccggcgagc	acgctatcgc	cattgaggcg	cctaacgagg	atgacaccca	360
cttgtccaac	tttcccctgg	cccatatgca	gaacttcatg	taattgacac	acgggctccg	420
gcctccgtat	caacctgaac	gataccgagg	gcgttgacaa	agtatgtcat	gcccaggagg	480
gagtcgagaa	aaagtccgac	tcggtacttg	cctgggnagaa	gtcgcaaaaa	ctggggccgtt	540
tngaccccga	tgccccccagc	cacgagcaag	gccaagctca	acgcttntng	acaaga	596

<210> 978
 <211> 809
 <212> DNA
 <213> Fusarium venenatum

002220"5555555555

<220>
 <221> misc_feature
 <222> (1)...(809)
 <223> n = A,T,C or G

<400> 978
 tgtctgtctc ctcaactcgc cacatgtacc acatgaacag acttcgatac ggcgaaaact 60
 tgttcgaaaag ttcaatcata tcttggttctg acatgtactt ccatttgccg ccgccttttg 120
 ccttgagctt ggcaacatca cgccaacaa atgcagccat tcctctctga acgcccagat 180
 cgccgagcga aaagacgtcc atccttttga gggcggaagca ggcaaacatt tcaacggacc 240
 attttccaag acccctaacc gcgatcagct tttccatgac ttctctgtcc gaggcacat 300
 gaagcatctg ggcgctcagt tctccactgc caaacctctc cgcgagccct ttgatatact 360
 cggcttttgc ttgcgatagt cccgctgtcc gaagctcctc aatggttttg gtagccactt 420
 gagatggatg cgggaatcgt gaaccagggt ggagctcaaa tagcgtgagg aacttccctt 480
 tattgacttt gccgctgccc cgataacttg tgnccaataa ttgaactcga aagactctca 540
 aatgggtcaa tattctctgc tagaccctnt ggcgaaaacg ctctacagtg gtgattctca 600
 attaggggtt tatgcgagca tnaactttga tcagataatc gcatgcctnt ttcacaaata 660
 tcggggtcgg tttgattgag gtgcttgctt ggcgaaatgg ttcnagattt gcgaagggga 720
 cagntctgac tntttggcna aggaggccga tttgtaacnt ggggttgcaa gtcggcaacc 780
 cccgacttac aagggtttttg gtcgaactg 809

<210> 979
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 979
 gctgcttttg tctgtgcgga ccgatccctt cgtgatatac cctcagccct ttgtcacagg 60
 tcatcactct ttgccttgat agagttgtct tctctcatgt ggtctagctg tctggaagca 120
 gagacagatg tttacgtctc ccgatcaaca tttacatcaa aactcgggtg cgtgactgtg 180
 gagctttcan acgactacga cttccgaaga tggacggtag acattctcaa ccgcaaggcg 240
 agggcatggg tcaatgccgc catcaacatt tctcctctcg atgttaaggg gattttgcag 300
 acttatctct ctgaattcag cgacgaggga gcctatggtc atgtttctct gggaagggtc 360
 ttgcgcctcg aactcggatc aactattcct tcaacggaca atcgctgca atctatggat 420
 aaaatcggtg actcgggcgt caacacagca tntgggtttg tcgccantat acaactocca 480
 agantatcgg tatggngaga cactttcaga ccgnggcaca aaacttatga gcttcatgaa 540
 tcacaatcgc gcatgtgnatt tgcncantca tccggaaaaa aaaggctagg gccnctactg 600
 ctttggtctc cattgnggct aa 622

<210> 980
 <211> 540
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(540)
 <223> n = A,T,C or G

<400> 980
 nttttcagcc gccgagcagc gcaactcttga gcancgcatg caaaagcgcc aggtcaagga 60
 gtttatgggt gcttttcggcg gtcttgtcga gcaactgctt atgtcctgcg tcgatgactt 120
 cacctccaag gctattttcca accgggaaag cggtgcac aaccgttgcg tccagaagtg 180
 gatggcctct cagcagcgca tcagcgaccg nttccaggag cacaacgccc agctcacagc 240

[illegible]

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<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G
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```
<210> 982
<211> 656
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G
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<400>	982						
ccaaaccacc	gggccttttc	aactgacaag	aacaaaaaat	cactataatc	cgctatttcg		60
accagccaga	gaacacgata	taccgctaaa	atggccgtcg	atccctttga	ttcagttttc		120
gacctttctgc	gccgcctcaa	tcccaagcag	acgaccgacc	atcttaacgt	tatcattcttt		180
atcggtttctg	gatctaaccg	aagatctttc	ttttctcggt	gaccagcccc	ttaccgtgcg		240
ccgttgtaag	cgagccggcc	gagactacct	cctttgcgat	tataaccgcg	atgggtgacag		300
ctaccgctca	ccgtgggtcca	accagttcga	tccacctctg	gatgaaggcc	ggatctggag		360
gtgtagggtgc	tggcggcaat	gaggggtgcg	gcgaagggtgc	gaattccgag	tgagcgtggt		420
cgcaagatgg	aagtcaaggc	gaacgaaggt	ttttgacgtt	tatcgcgatt	tattattacg		480
aaagncggcg	tgagcattgt	ctaattttctg	gaatctcgac	gatgggtttg	cangaagtcg		540
tgctttctcaa	gaattttttt	cccaaggcgg	caatttcgan	ggcgggttng	gacttcattc		600
atgtttttcga	nqqccttcga	gccgaaggac	aaacacttac	tattaqctca	cattcn		656

```
<210> 983
<211> 295
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G
```

<400> 983

nggctngccn	cgcattacta	gacngnaaaa	ctctcactct	taccgaactt	ggccgtaacc	60
tgccaaccaa	agcgagaaca	aaacatnaca	tcaaangaat	cnaccgattg	ttangtaatc	120
gccctncac	aaagagctnc	tcgntgtata	ccgnaggcat	gntactttat	tngtcnggca	180

anacaacgcc cattgtncnt gtggcgggcc tgatatttgg gagcaaaaac acttatgggt 240
 tgnnagctta aaccnctac acggtcntnt gttcttctta tnaaaaagct tcccc 295

<210> 984
 <211> 531
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 984
 cagaacggaa cgcagcaagg atacgcaagc cagcctcgaa cttctcagca gccgcagccg 60
 cagcctcagc aaggccaggt gcaaaaacct gctgctccgc tccatgctcc cctcgaagca 120
 cggataccac gatactgttt tgctgaggac aagtattggg tcgtgatcga agccgtgctc 180
 gaagatgggc gacaatggga gctttctcgt tactacgagg acttttacga ttccagatt 240
 gccctactca ccgagttccc ggccgaggct ggcaatacgg ggacacagaa gcgcactctg 300
 ncatacatgc ctggtccggt caactatgtg acagatgcga ttactgaggg acgattgcca 360
 actttggacg cctacgtcaa agaacatgct naaccanccc ccttacattt naagatgtac 420
 tttggtgcga caattttttg caccgccgga aggagactnc nagatcgacc caacgttacc 480
 gaaattgata tcgctgnttg aagggttcca actntatntt tggaatctcc g 531

<210> 985
 <211> 601
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 985
 ctgtcttgaa tcgcanattt aagcagtcac tcacccaagt ttcaataact gaacactcgt 60
 ggcatactct tgatcttttag taagatggcc gagaaaaaag attttcgtcc tcattacagg 120
 atgttcgcct ggaggcattg gacattctct cgccaaagag tttaaccgcc aaggctgtca 180
 tgctattgag acggtgcgaa acaccgacat gatcaaggat cttgagggcc ctggcatgag 240
 ctgcttccct ctcgaaagtc cagaccccaa gagcattgaa gcatgcaaag aacaggttgc 300
 tgaattgacc ggaggtcgtc ttgatctcct tgtcaataat gctggtcgaa ctcataccat 360
 ccccgctctg gacatggacc ttgacgatgt tcgcgccaca tacnaaatca atgtcttcgg 420
 ncccatgttc ctggtcaaat ttttgggcct ctgctcatcg aancacgttg gtctcatcat 480
 ccaacanttt ccagcacatc aaccttggtg cctacatctt tggggccatc tactcctcct 540
 ccaanggggc ccttcaacnt ntgggtctcca aacgcctcna ctccaactga aacctttcaa 600
 c 601

<210> 986
 <211> 571
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

<400> 986
 gaaaactttc aattgagctt ctgtgtaacc tcaacctact gtttcggatc aatgctttct 60
 cacaatgtcc tttctgttgg caagctgagc catcgctgtg tctttatcaa aggctatttg 120

acaacacaaa	tgatggctac	aagaaggagt	attagcaccg	catctnggga	ctacaatgaa	180
gctctcaacc	tactatctac	actctattcg	aatcgtcaga	ttaccaatth	attcgacaag	240
cccacatcgc	aaaatgcctc	actcgaacaa	gccaaagacc	tgaatgcgct	ggcgcttcct	300
gagatgcgcg	aatggcttcg	gcgcgctggc	tatnaaccaa	aggatctcgc	tcgcctgagg	360
cacattcata	tagcangcac	aaagggcaaa	ggttctgtga	gtgcatttgc	aacgggtatg	420
ctgcgacaat	acnaaactgn	cggcacatac	acgagtcac	atnttgtgag	tccccgcgag	480
cgtatcncta	ttcagggcga	gcaggtctnt	caagcccttt	tcgnggaggg	cttntttgaa	540
ctttgggaac	gactgtccac	cccgcacaaa	a			571

<210> 987

<211> 747

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 987

ccctttcttc	ttctctttac	atcaacattt	cgacatctgc	tttggagcga	caaaccgat	60
tcgtttttta	tcacggcttg	aagatacaaa	gcattttcaac	ttttgcattt	gctcttttga	120
tttacatcaa	gcaaacaatc	attccgttca	tactcgaacc	actacacaac	aacgcgaccg	180
atacaatggc	gactcccag	tccatcacct	cttacgaggc	tgccgacagc	gacaagaagc	240
tcgagcagat	tactttccga	ttctgtctcg	aatgctccaa	catgttgtag	cccaaggagg	300
atcaggatgc	tcacaagctc	cagttttacct	gccgaacctg	ccagtagacc	gaggacgcca	360
agtctacctg	cgtcttcgcg	aacaacctca	acacctcggc	tggtgagacc	gccggtgtca	420
cccaggatgt	tggctccgat	ccgacgctcc	cgcgatctac	aaactgttct	ctgccactgg	480
ttgtgggtga	catcgattta	gctgtacttc	ttgcagtctc	agcagcgatt	gcgctgatac	540
tggtctgcct	ctgttgtaca	agatctgtct	gcgcacgcgc	gtcatgtgcc	atttttacct	600
tgccatgggg	aagacctttt	actgcgctac	cgaggcaccg	acacgtcgct	gtgacgaaga	660
ctgttcgcat	tatcatttgt	atttggcaag	gcgtttacaa	aanggtatga	caagggtttct	720
gtcatggggc	ctgggacttt	ttanaaa				747

<210> 988

<211> 402

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(402)

<223> n = A,T,C or G

<400> 988

tntgtcanca	aggaccagac	attccccgac	tnanacaaga	ctgtntctccg	tggaacagag	60
tactatgcat	gcggtcctag	atgtcacgag	ttcctcaagg	aaatcggtaa	catccttctg	120
gaatacgatg	cctttagtgt	cgggtgagatg	ccttgtgtgc	atgacgagcg	ggagttgatt	180
aaggctgtgc	acggtgaccg	aggagaactc	agcatgatct	tccattttga	gctgatggat	240
ctngatcacg	gcgtcgaagg	caagttcacg	cccagatcct	gnaagctctn	tgagctgaaa	300
gtacaacccc	tttaagtggc	agaagttcat	gtacgacaa	naccngctgg	aacgcgcttt	360
acctcnagaa	ccacgancag	ccgcgggctn	ncaagccgct	tt		402

<210> 989

<211> 647

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(647)
 <223> n = A,T,C or G

<400> 989
 cagacactca agattcccttt ctttcttttct ttctctctca cccacacact cacttttcgtt 60
 actactatac cttgactttt agtcaatttc attcttttaa gtacatcatc aaccactaaa 120
 ctttcgagtt accaataatc taatacccaa cccccaaaac ccaaccatca aaatgaagtt 180
 cgctactgct ctgcgttttcg ctgccggcgt tgctgcccac gccagaacg ttacctacac 240
 cactgaggtc gttactgctt acaccaccta ctgccccggg cccactgaga tcgtccacgg 300
 cgacaagacc tacaccatca ctgaggccac caccctgacc atcactgact gcccttgac 360
 cgtcaccaag cccgtnatca tgacctccgc cgttgctctgc cagcactgcc ccactggtga 420
 agaaaagcct aagcaaggcc ccagcccagc cggggcacc ttggggccacc cccggcgcaa 480
 gggtcacaaa cttttaccat gggtcctccg gtcttaccac ttactggggg aagcccaagc 540
 aaacggtggt gacanccgc cgggccccgg tgctnctcct ancgtggtg ttcccgaaga 600
 agtcccactg cccggtgccc gcaangtcgc cgctctctcc ggtgcgc 647

<210> 990
 <211> 737
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(737)
 <223> n = A,T,C or G

<400> 990
 cgcaaagagc ctctgtgcac ttttgcccct aacaaaacct ccaatcgata tctactctcg 60
 aaaccaccaa aacacccaat cgacccaaac aaaccgacaa gatggatttc ggaaacctcg 120
 gaggaacttt cggaaatggt ggaaagcagc tttccaactt cggagcctct gttacccct 180
 ttgctgtcgc cactttccaa tacaccaagg agcagttcgg ccagactgag gacaagacc 240
 agtccctcc cgactatac gacctcgaga agcgtgtcga tgcccttaag caagcccacc 300
 aaaagatgct tgctgtgacc tcgcaatact ccaacgaggc ctacgactac ccccttaaca 360
 tcaaggagac attccaggac ctgcggccga ccgtcagcga aaaagtcagc cttctttctt 420
 cagccacctc tctgcccga gcccaggctg ccctgtgtgc tctcccgct gccaaagctc 480
 agcccaagac tttcaaccat gctgtcgccc gcgcagctct ggccagcagc cagctcctcc 540
 accagcacca caccggtgcc ggtgaagacc ctcttgcgaa ggccctggaa aantatgcc 600
 ttgccaacca gcgtgttggt gaggcccgac ttgccaaga tgcccaaata caaaaccggt 660
 ttctngntgg gtggaacact actnttaaca ccacctgntt ttgcacccgt gcccgcaaaa 720
 acgttgaaaa ctcccg 737

<210> 991
 <211> 867
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(867)
 <223> n = A,T,C or G

<400> 991
 cccatcacia aacgaggagc tcagagaata ggccagcaaa cagacgtatc tgggaccaga 60
 aaaacaatcg ccaaaatgtc gaacccccgc gttgaagaac ttcccgacga ggagcccaag 120
 aagaccaccg tccaggagca cgaggatgac tctagcgacg actctgaggt tgaggagggt 180
 ggcgagggcc agtccccgc tggttctacc gtgatccaca accgcaacga gaagaaggct 240
 cgcaaggccc tcgagaagct gcacctcacc cgcacctctg gcacaccccg tgttactctc 300
 cgccgccccca agaacatcct ntctgtcatc aacacccccg aggtttacaa gtcacccaac 360
 agcaacacct acattgtctt cgggtgaggc aagattgagg acgttaacgc cgctgtctca 420
 caagctgctg ctgctcagct cgccctccaa aacgctgagg accactctgg tcacaaccac 480

<221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

<400> 994
 gcgcacccgc ggctcctagt gcgccctttc ccagcgcgcc gcgcggccct nctnctggtc 60
 aacaatatta tccccctat ccacaacatg cctggcaacc accaccttct nctccgcgca 120
 gggactggag ggattggttc atcatggcta cggtagtgtg aggagtgtnt tatggtctct 180
 acgagctagg caagcgttac ntatacccca atgtggcacc cccgacaccg ganaagctgg 240
 agcaggacaa gaaatcgatc gaggatcagt tcgaccganc ttttacctg gttgagcagc 300
 tcgctaagga tacggagagc ttgaanaatg ccgagaagga nagaaccgan aagctagaca 360
 cggcgatcgc ggacctcgag acagttatta ctgacctcaa ggctgccaac cgaagacgcg 420
 aggacgatgc caatcgaatc agggacgaag tt 452

<210> 995
 <211> 567
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 995
 gttccatcta ccatgaaggc cgttcagatc aacaagaacg gcggtgttga gggtcttgag 60
 cataataatg tccctgttcc caaggctggc gagggtcaga ttcttgtgcg caaccaggtc 120
 gctggtctta actacataga tacctacttc cgttctggtc tttacaangc acctcaattc 180
 cctcttacgc tcggtcgtga agctgcggga actatcggtg atgtccactc ctctgtcaag 240
 ggcttcgana acngtactcg ggtggtcttt atgggcacag tcggtgccta tgctcagtac 300
 agcgttgtca acgcttctga tgccgtcaag atccccgatg atgttccctac tgagcaagct 360
 gtaccgctta cctgcaaggc ctcacacatg gacatttatc ccaaaagccg gacagggtcca 420
 ggaaagccaa tgggttctat tcacccgcac ctggtggttt ngtagcttgt tngttcacct 480
 ctacnaactg tcngtgcccc natcattgta ctgctaccnc gataaaaact naactcncca 540
 aaaaaacgtg cngggtgggt ttcactc 567

<210> 996
 <211> 579
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 996
 gggacaggca agatgaatgc gccaaantnt tagaaccctt gngggctttc tcatccaaat 60
 tttcatggat cgcccgtcaa anacaggcat cactggctaa cccaggaaaa ccttgtgcca 120
 aacaagccag aaccccanca aggacaaaca agagccccgg tttcctcgat ccattccaggc 180
 cctggcacct gaaagcctct aaaagcgaag aggccgaaac acggcatccc ctcatgcgac 240
 cttcagcttc gatccttcag cgttcaaccc ctgcaattct tctccgattt tgctctaana 300
 ccgcttacta cttgggcctc cccgcctacg gtcccgtccc tctcccacgc atcaccgagc 360
 gctggantgt cccacganen aacttcatct tcaagaagtc gcagganaac ttcgagcgaa 420
 aganactacg tagactcatc cagatccgcg atggaaaccc cganacagtg cagttgtggc 480
 togcatanct ccgcaagcac caattctacg gggtngggaa tgaanggcaa catttnggaa 540
 tttancaact nggcgaaggc acaagatgga tgctcttcc 579

<210> 997
 <211> 654

<212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(654)
 <223> n = A,T,C or G

<400> 997
 atcgtctgaa ggcattggtga ttgatctgag gaagatgctg aaagtcgaag ttgaagaaga 60
 agccatgact gtcgagttcg gaggtggatg tctctgggaa gacgtcgatt ctgcccttga 120
 acggcatggc ttggctactg tgggaggcgt cgtcaatcac acaggggtcg gaggactaac 180
 actaggaggt ggacatggct atctcacagc tcgtcatggt ttaactatag acaatttgtt 240
 ggaagctgaa gtggttctcg ccgacggcgc gatagtcgaa gcatctgagg acaaagatgc 300
 aaatttgttc tgggccattc gtggtgcagg agcacaattt ggagtcgtca ctcgttttct 360
 ttctcgagcc catcagcaag tcaaagtatg gagcgggtac ctggtctact catctgacaa 420
 gctgccttat ctattacgct ttgcaaacga gttacataan gagaccaaac acagaangnc 480
 attgtcttgc tttangaata gcttttgggc ccaatgggtc acaccgctcg tattcaacta 540
 tncctctgtt tcatggccan aatnccatgc caaacggtta ctttttctag gtcttaattg 600
 agttggattc ttntggccga taatacttgn gatgatgacc acngccgaaa acat 654

<210> 998
 <211> 516
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

<400> 998
 tcacactccn gtcgacagca acatcagaca aaatggcccc cgccgcaaag aagcagaana 60
 agaagtgggt caagggcaag gtcaaggaca aggtccatca cgccgtcgtc ctcgacaaga 120
 ccaccttcga gaaagctcta caaggatggt cagtcttacc gtctgggtcac tatcgccacc 180
 attcgtcgacc gaatgaagat caacggttct ctggcccgac agtgcccttg cgacctcgag 240
 gagaagggca tcatcaagcc tgtggttaca cacagcaaga tgaagatcta caccgctgcc 300
 gttggtggta ccgactaaat gcaattcaac gaaaaatttg agtctcacga ttgtgctgtt 360
 ggggtggcctg gacgatagac aggccacatg gtcggagggt gttgcaaggc gaaaaagaag 420
 cctgggtttag gacgctattc atgctcgggt aagcattggg acggaatcgc ttttagcaca 480
 acggcaacgg aatgaaaaat cttcgaaacg accaan 516

<210> 999
 <211> 461
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 999
 cgcaaccctt cgagcttttc gcocttcaacc cccccaacaa cgacaccatg tctcacgaaa 60
 gcgtctggaa ctcccgcccc cgaaactacg gcaagggctc tcgcagctgc cgtgtctgca 120
 agcacaaggc cggctttatc cgaaagtacg acctcaacct gtgccgtcag tgcttccgtg 180
 agaaggccaa ggacatcggt ttcaacaagt accgataaac gatccatcat catgacaccc 240
 ggttttctcg tttaagggat ggggggaaat gctggagagc agagtattga gtggaagggg 300
 agaactctca gcagaaagtc aaaggcctcg cgtaaaaaaa gcactcggag ggcggcccg 360
 tctgnaacag gcagctctaga gggcctgctt gggtccttca agaagatcgt gcgtctgacn 420

aacatcctcc gaggatagac gaataccatt gtttggcctc g

461

<210> 1000
<211> 560
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

<400> 1000
atttnnggtc gtcaatcata gcaggcgcca gcagtacaat agttaccaac ccaatatggg 60
ttatcaagac acggctcatg tcacagagca acattcgaca caacaccag gaccaccatt 120
ccgcatacta tccgaaagcg actagcacac caacaacgag accaacta cagactggc 180
actacaaatc cactatagat gcagctcgca agatgtacac ctcggaagggt ctcatttctt 240
tctattccgg actaacgcct gctcttctcg gggtgacgca cgttgctgta caatttccaa 300
catacgagta cctcaaaacc aggttcaact gtcaagggat gggcgaatcc aacgagggag 360
acaataaatc ccatgttttc gggatcctgg gggcctcgat tctatccaaa atcctcgcca 420
gtaccgagac gtaccctcac gaagttattc gcaccggtt acagacccaa cggcgtnccg 480
ttgctggcga ggagttcgct canggtatgg gagtgacnng ttcaagcccc ccgagccctt 540
gctgcaagc caagtaccaa 560

<210> 1001
<211> 689
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 1001
acgagactgg gttcgatcta tccttttccc atctcatctc aaatccgctt cattcatcgt 60
ttttctaatt cagtgaaca cccacaccac accttcgact ttctacggcg acgcgactca 120
aacgtattcg cgtcagactc gtcaacgcaa ttccgctgca gagaacaact ttcgcgatat 180
cttccacatc aacagtctaa cagctcgtat atcacaatca acatgtctca cgaggaagat 240
ctcattgact actccgacga ggagatcggg ggcaacgaga ccgccgcgac tgccctccaa 300
ggcaagaagg gcgagctcgc cgccggtaac aatgtcgaca agaagggcag ctacgtcggg 360
atccattcga ccggtttccg cgatttcttc ctgaaggctg agttgcttcg cgccatcgcc 420
gactgcgggt tcgagcatcc atcggagggt ccaacagtcc tgatatctct catgcgctcc 480
tcgggtggta tattctcttc ttcaagcggt cgtccggtct ggcaagtaag aactgctgtc 540
catttgttct tcgctatcgt tcacgtcgt cagaccgctg gtcacggaaa gtctctgtgg 600
ttgtcatgtg ccacattcgt ggctgcctga gccatggtct gacagacagt gggacgtttc 660
agcaatactg cccgactcaa aacngtgc 689

<210> 1002
<211> 587
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 1002
cttcgccgcc gcttggttg gatctggagt accattgcag gcctggatct ttggaaagat 60

<210> 1005
 <211> 307
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(307)
 <223> n = A,T,C or G

<400> 1005									
ctttgtcacc	tctgtcggaa	acatcaagct	ctttggcgac	agtgactcca	tgagcgtga				60
ccctgcattc	ctcagtctcg	ctgagagaat	caccgcgcaa	gaggtcgacg	acaacctncc				120
cgtgcgatgt	cccgcgcgacg	ccgcgcggccg	accatggagg	cgcgcatcgc	tgagttgcga				180
gacaaccacn	acagcactng	gcggtaccgt	cacttgcggt	atccgcaatg	cgccctctgg				240
ctangngagc	cttgcttcga	caaggttcag	gccaccttgc	ccaagccatg	atgtccatcc				300
ccgccgt									307

<210> 1006
 <211> 626
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 1006									
ggcggttgaga	cacggatcaa	tcgaattaga	aaagaccct	ctttcgactg	taacattttac				60
atcccatccg	tccatccaag	ctggacaagc	gtacttcatc	caggcccttc	ctcctctctc				120
tactctccct	cctcttcctt	ctcgtcgctg	taactctggc	ttcttcaaga	gctttctccc				180
gtattggctc	tcttggaat	caagtcagat	tccaagctac	acgaacaatt	ctatcaacaa				240
gacagctcat	gactagcacc	atggctccc	acaagtatcg	taaccctccc	caggcgccgc				300
ctctgttcac	cgccaccccc	gagtcgattg	ctgccgacac	caagaagctc	tgcgatgcta				360
ctaaggatgc	gctggactct	gttgctgcca	atgtcaccgc	agataaggcc	tctttcgcca				420
acgtccttga	gcctatcctc	atagatgaga	atttggtg	cactcagcgt	cgcatcttga				480
cctttctacca	ccatgttttc	accaacaagg	agctccgtga	tgcttctacc	gagtcggaga				540
gagtcctcaa	tgacttcggt	atcgagtgtg	acatgcgaga	aggatatntt	caacggccgn				600
ggatgcnggt	ttcgccaacc	gagcat							626

<210> 1007
 <211> 422
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 1007									
ggaaaggaca	atggcattcc	tgacttctac	cctcaaaact	ctactcttgc	acacgcagct				60
cagcatatcc	tctatatcgg	caacctcatt	ggatatgatc	acgtcgggtat	tggcaccgac				120
tttgacggca	ttccgtcagt	gcctaagggt	cttgaagacg	ttaccaagta	ccccgatttg				180
atcgcanaat	tgcttcgaca	gggcgtcagt	aatgttgacg	cagctaagggt	tgttgggggt				240
aatctgctgc	gagtatggaa	agaagtaaac	actgttgcaa	gctcagctac	aggccaagggt				300
acagctgccg	ctagaagatg	atctgccaag	atgaaattcg	aggaggcaaa	acangcgtct				360
gtggagggtg	cgtaaaactt	atagtaccgc	gattaataac	accgctccgg	agtttgtttc				420

<210> 1008
 <211> 628
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 1008
 ctccgttcgt ccttgaaagg caactttctca cgagcaaaga tggagaagcc tcaaaagatt 60
 gttgttggtg gggctgggtcc tgttggttct ctggcagctt tatatgctgc tcaacgagga 120
 catgaggttg aagtttatga gttgcgacct gacctccggg atcccagcac tatcccgtc 180
 aacttcacca aatccatcaa cctcgccatt tctgagcgcg ggatcaatgc tatgcgccat 240
 gctggccagc caggacttct cgatcatgtc atgtccacaa cgattcccat gagaggacgc 300
 atgattcatg gcaggagtcc aaccggagct cattttgaac agtctcaaga ctacgatgtt 360
 aagggacggg caatccatgc cattgatcgt gcangcctga ataagcgact gcttgatatt 420
 ctggacaaca tgcccaatgt caagctgttc ttcaaccaca agctcacagg cgaaactat 480
 cgcgcttgca aggcttggtt tgaggcactg acngaaaagc gtccaaagag tctcgtttca 540
 angagattga tatatccttt gatctcatga tnggcgctga cngggcccat tctggtggtc 600
 gctccccctta tgaagttacc cggatgaa 628

<210> 1009
 <211> 588
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1009
 tatatatctt gcaactaact gctgagaaag caaaagggaa aatgatggaa tacatcgaat 60
 tgccaaaaat tgagctccat gcacacttga ctggaagcat ctcacgccag gctctccacg 120
 aaatatggct tcgcaagaag gagacgggcg atactgatct tgatgatcct ctggttggtc 180
 tgccagaagg taagcacgac tataacttgc aaaccttctt cccactcttc agcagttata 240
 tatacaacct catcactgac gaggaatctg ttcgctatac tacgaaatct gttctaactg 300
 atttccttaa cgatggcgta tggtatctcg agcttcgaac gacaccccg agcaccctc 360
 aactctcagc agagcaatac atcgcaactc ttatagacgc aatctcacta ttcgagtcta 420
 aaagtccctca gctacacacc cgccttattc tatccattga ccggagacat acccttgaac 480
 aagcaacttc tacactcaag ctgcacctga aataccgcaa tcaaggagtt gtcggtctcn 540
 acctctgtgg tgaccaaca gcccgacca acgggcgata taagtgtc 588

<210> 1010
 <211> 559
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(559)
 <223> n = A,T,C or G

<400> 1010
 agcagcccag cgcccgaata gttcccccta gcatctcgtc gtgttcaagc ctctcctaaa 60
 tctccaactt ctcagcttcg ctacatcttc aggcgtcact ttgactttgt gtgtgctcga 120

cttgtcctgt	gttgcttcga	gtccagtcct	tctttctttc	ttagaatatc	ttttgacgtt	180
cccaagcttc	aactcttata	tacctgctta	atttaacaag	tgtcgccgaa	attactcaag	240
atggccgccc	ctcctcccaa	cactatttac	cccagagagc	atgtcggttt	cgacagcatc	300
acttctcaga	ttgagaagaa	ntctttgaag	cgtggcttcc	agttcaacgt	tatctgcgtt	360
ggccaaactg	gtatgggcaa	gtcgacgctc	atcaacacca	tcttcgcttc	tcacctgac	420
gactccaagg	gttgcttcca	acccgaagaa	cccattccgc	cagaacaccg	aaatcaggcg	480
tttctcacac	attgaagaaa	acgggttcga	cttcaatcac	atgtagatac	cccgttacgt	540
gattctcaca	acacgctgt					559

<210> 1011
 <211> 630
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 1011						
ttaataactca	attggcaact	gagtcattct	tcttcaatca	tgccgtctcc	acgacatata	60
gctgcagctt	tggttgctac	tgcgacaact	gcattcagct	tctatgtcaa	tggtactgtt	120
gttgcacctt	gcgattcgcc	aattttactg	catggagata	tccttgagca	ggtcgaactc	180
gctcgacctt	ttagcgactc	caagaccttt	gtcgatatgc	cagctattcg	ccctctaagc	240
gacatccagg	aagcttttga	caaactcgag	aagcctctcc	gcaacaattc	tgcccttgct	300
gactttctcg	atgaaaactt	tgaccatgct	ggcaatgagc	tggaagaggt	atctagagac	360
gactctgata	ctgaccctaa	attcctcgac	aacatcaacg	acactgtcat	cagagaattc	420
actgaaaagg	gtattgacat	ttggcctgat	ctgcccgtcg	atccaccaag	acgccaaaaa	480
ctgtcagatt	gcccacacgc	ttnatcccgt	caaccgtttt	ttgcgttgca	ggnggncgat	540
tccngaccc	tactattggg	attcttactg	ggatcattct	gggtcttctn	cgaaccggng	600
gttttttatt	ggaatcgcca	aaaacacaat				630

<210> 1012
 <211> 687
 <212> DNA
 <213> *Fusarium venenatum*

<400> 1012						
ccaaaaagag	gtccccttta	aacttgagct	ccaaccctcc	tttctacaac	ccccgcgact	60
ttgactttga	ctcaattcga	cgaattcgtc	ttctttcttc	cacgacattg	ccttctctcc	120
ttcacgcaac	gtacttttaa	tatctctacc	cgtttcttcc	actaccaaac	atgtccgacc	180
aggttcaaga	gattcctcgag	gttccctccg	agttcgtcag	agacggtggt	caattcgctg	240
gacgatgcac	taagcccgcg	cagaaggagt	tcctgcgact	ctgccaagcc	gttggagttg	300
gtttctctcat	catgggcgcc	gtcggctacg	ttgtcaagct	ggttcacatt	cctctcaacc	360
acgccctcgt	cggtagcgca	taaactactca	cgcgatcggt	aatgacgaga	ttctggatgg	420
tgggcgacttg	ataatccaaa	aaccgcgaag	acgggaacga	ggacaatcac	acaacctttc	480
ttgcttgccg	gtatgcttaa	aggggcccgg	ttacatgaca	ttatggcggg	cacgcgacac	540
acttctacgc	tgaattcgac	cgagcgccat	aggagatgag	aggatgtggt	ttcacgtcca	600
aggcgctggt	tgtatgggtt	gagaaatacc	catgagaaaa	acggctacag	tgattaattg	660
tacaaatata	tccattgtta	tttctgct				687

<210> 1013
 <211> 685
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = A,T,C or G

```

<400> 1013
gctgtcatca cccctacat ggttggtgag atcacgaggc aatctcttct ctcttcccc 60
ctcatctcc tccccctctc tcctcacatc aacaacaact atttattacc cccttctgcc 120
tgccagaaac taaaacaaac cagccacaca acaataacaa caacaaaatg ggtgttgaag 180
actcacacac cgacgagcga cagggctctg tcgctctcca aactgccgag aatgtcgagc 240
agatcgaggc tcccatcacc tggaaggctt acctcctgtg cgccttcgct tctttcggtg 300
gtatcttctt cggttatgat tccggttaca tcaacgggtg caacggctcc gactacttca 360
tcagacaggc cgagggtgcc aatgtaccga agctctccga gagcaaccag tctctcattg 420
tctctattct ctcttgcggt accttcttct gtgcctgat cgctgggtgat cttgccgacc 480
gcatgggtcg caagtggact gtcattatgg gctgtgctat ctactctatc ggtgtcgcta 540
tccaatgat cactggtcac ggtgatcctc ttgcctgcat cgttggttgg cgtctcattg 600
ctgggtctggg tgcggtttc aattccctat cgcattttct aactgtccga aattgcccana 660
aatntccttg tgcctcttgc cgtaa 685

```

```

<210> 1014
<211> 445
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

```

```

<400> 1014
cctgggtgctc agattcggca tccagctctg ctcaccatca cactcactca ctcaccgagc 60
ccgaccttac ttaaagcact actttcatac acaaagatgg ccgacgccgg aaaanaacct 120
catcatgtgt cggagcctct cgaccttgct cgacttcttc tcaacgaggt tgtctttgtc 180
aagcttcgag gagaccgaga actcaaggga aagctacatg cttacgacag ccattgcaac 240
ctgggtgctag gagaggtcga ggagactatc tacactgngg atgaggatga tgacgacgat 300
gagctcaaga ccatcagccc ggaaatccga gatgctnttt gtgagaggng acagtgttgt 360
cttgatctcc ctggagttcc ttttaaaaaca aataaggaac atgcgcgtca taggggtata 420
tagccattaa taaaaaaa agatt 445

```

```

<210> 1015
<211> 638
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G

```

```

<400> 1015
ctgggggcta actacgtaat cttattcctg tgctttttcca actccattcg nggccacgca 60
aacctcacat ccatcacaat tcgtctgcct tgaacgtgat ttcttttttaa agctgctgcc 120
tggttttatc tcccttcttc tttaaactcg atcgaccagc aatcatcact ggcgcaatcc 180
tcaggaacaa taccctttca tcctaagaca caatgaacat ggagccctcc gacatcttct 240
gcattgtcaa cttggcagtc ggtgtcatcg tcctcctcgg tggatcgtg tccatcttct 300
ctttcagcct tcagcctatc atcctgggtg cttacatgat cgtcttttgt cttgttactg 360
gccttcttga gttccaaatt cccctcaag tttctcgaca tgcgtcgctc atgttctcct 420
tcacgagccg tgggtgtctc tacatcttcc tcggctctct gatggtgagc gacagcattc 480
tcagcaagat cgctggcagc atcgtcggtg tcaactggtat tgcctacgct gctctcgagt 540
tcgttccctt catcgagccc cctgccaaac tgcgcgaggn cgaaaacact ggctgggggtg 600
ccgancaggt ctaaaaagtc aatagcagta tgtcccac 638

```

```

<210> 1016
<211> 621

```

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 1016
gctcattttc aacttgacct tatacgttct ttttaattttt ttattctcgt tttagtcaac 60
catgttgtct cttaaatcgc tgtcagcctc gctgataggg gccctgagcc tgagcgctgg 120
cgcgtctgca gccagtagct cgggtcttgt agcctcgacc tatttcgctg gcttccatgc 180
caaccgaggc ttccctgtct cggctatgcc atgggataaa tacaccgacg ccaagtactc 240
ttttgctgag accactgaag acgggtggact tgatctatcc cagtctcagc ctgaagagct 300
tagctgcttt gtcactgccg ccaagaagaa cggagtcaag gcgcttgctc ccatcggcgg 360
ctggacaggc gccaggtagt tctctaccaa ctttggcaat gagaagaacc gcacagcttt 420
tgtcaagaca tgtgtagact ttgtcaagga gcatgacttg gatggctggg attttgattg 480
ggagtatccc aacagacagg gccttggttg caacaccatc aacgacaatg acacagccaa 540
ctttttggag tttttgaang agcttcgtca ggaccctgtt ggaaaggggc tctatctgac 600
cgctgctagc tctctggttc n 621

<210> 1017
<211> 622
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 1017
gcccaatata ccctttgaaa ggtgacaagc tcgacaagac caaggccatc atcccgggaa 60
tccacacacc ttatgtatac gaatcagggc cttatttcgg tgcaagcttt cagatacacg 120
ctgaggactt cagactcgtc tcactaaacc acctgtacaa aggccgaaaag atttgattg 180
tggtcccttc tacagctgtc gacgttgctg aagaggctct tggtcgaaaag ggcaaagtgt 240
cccagttcat gcgacatcga gctgagttct tctttcctca aaagcttgaa aagttgggca 300
tacccttccg catcatcgac caacgtcctg gtgagaccat agtgattctg cgggacgcat 360
atcatgaagg attcagcact ggatacagca tcgctgaggc caaaaactat gcggaataatg 420
gttggactac cgaaacatac caggaatgtg aaagtcaaag tgtaagcttg ccacaatgat 480
tcctgcggaat ttaatgcggc ccttgaagga tgggagaggc tcancttgga cctttgttcg 540
ggtttcgaat tacttgncca aaagaaaaca accaccgggc aacgccacca acaacaaccg 600
gcatntggga atatgaaaaa ga 622

<210> 1018
<211> 629
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 1018
cccaaattcg tccctctcta cctatactca acacgcctcg ataagtcttt gactacatca 60
acaccaccaa tctntatttc tcaaaacat ccctcanaac accgncaaaa tgccaaaggc 120
tgctgcctac cggaaagcgt gctaccagaa ccaccaagcg tgccaagang ggtaagtcga 180
agcatctccc acgctcgtgt ttgcaatcac actctntatt gtgcctttgc atcgcacacg 240
ttgcgatctt ctccgacgca acaaacacaa ctaacttnaa tagaccccaa cgcccccaag 300

cgtggtctct	cagcctacat	gttcttcgcc	aacgagcagc	gtgagaacgt	ccgtgaggan	360
aaccctggta	tntntttcgg	caggtcggca	agctcctcgg	tgagcgatgg	aaggcctcaa	420
cgagaagcag	cgtgctctta	tgaggccaan	gntgccgccc	ataaaaaacga	tacgangatg	480
aaaagcaggc	ttacaacgcc	caccaagang	angaagagtc	tttctaaaaa	aaagtnttcg	540
atthtaaac	caagcgtnn	tcgcaaaagg	ggaaatntga	ttcggatanc	ccaacccng	600
ggccgggttg	gaaatnttg	ccaagaaat				629

<210> 1019
 <211> 587
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

caatacacac	caaatcaaan	tggcatcccc	tcgcaccttc	atatacctcag	ctttgcgcgc	60
ctcagttgcc	gtccgacccg	cgcgccctat	cttcaccatc	gcagcccgcga	cagcangggc	120
atctctggca	tcacgagcat	ttgcnccctt	tgctaagtcg	ttgcgaagct	atagcgtcaa	180
ggaagaacca	acaaaagact	ttaagaaatg	ggaattcgag	gaattgaaaa	aacttgtgga	240
agatggcact	catgaagata	taatcattgt	tgatgtccga	gaaccgtacg	agctcttcga	300
gacaggcaaa	attcccggcg	cgatcaatat	ccccatcaca	acagcagtgc	agagtttcca	360
tatcccgag	gaggactttg	aggagatgta	cggcttcgag	agaccttcaa	aggacaaaaga	420
gctattgttt	tactgcaaa	ctggcggttcg	cgcaaagtcg	gccgcgcatt	tggtganca	480
tgctggctgg	aaaaaagtga	gcgattatcc	cgggagctgg	ttaanattgg	ggcggcncaa	540
aacnggcctg	ttgaaaagt	tcaagccggt	cttanggatc	aaattgc		587

<210> 1020
 <211> 581
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

gtcagagttta	tcggagcgtc	gcatgaaag	ctgtgacaga	aatcgacatc	atggctggcc	60
aagggttcac	cgtattttcaa	gaaacccttc	gcatgtttta	gtgttttaaac	tggattgctt	120
attgctcgtg	tgggcattta	tagccggtct	cttcaaggac	atggaccagt	ctgccacgac	180
agccgcattt	gtctccggaa	tgaaggaaga	tctgaatctc	tacggcaatg	aacttgtnga	240
gtttacgaca	tattttctcca	ttggctatgc	gatctttatc	gttccatcgc	aactcatcca	300
aactcgagtc	cgaccatcta	tcttctacc	agtttgtgaa	attatatggg	gtctttttac	360
actcttcacc	tacaaagccc	caaatgccaa	aatcatctat	gcgctgagat	tcttctgggc	420
gtattganc	tacatcgtgg	cctgggtattg	ttaacccgat	ctttaattgg	tatcgtcccg	480
aaaaactgga	aagcgggtgg	catttcctgt	tcacggggtt	acaggaaaat	tttctcggct	540
ccccactgc	ctctcaggaa	cccaacgaat	cccggtcttc	t		581

<210> 1021
 <211> 570
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(663)
<223> n = A,T,C or G

```
<400> 1024
atttcgacga cgacaacctc aagcttcatt ctccccggtc aattttcacg ccaaatacctc      60
aatcacaaatg tctaccgccc aggagctctc caacatttcc caggacctga tctgggagat      120
cgtccgtgac aacaactgct tctccgccaag gagcaagaag aacgggtggtg ttcagttctc      180
ccgagacccc ctcaacctga ccaacaagag ctcccgaaag cagcgccggct tcgtcaacga      240
caaggccgctc ggtatctctg ctgggtgagaa ggggtgccgtt gttgtcacca ccaagaaggc      300
tcagcccaac aagccccgcg agaacctcac caagacttct tacagcggct ccaagagcaa      360
ccgcaagacc taccaggccg ttgccaacca ggtcgccaag aactcttacc gcgctgacct      420
ccgctccgct gctgttgagc gtgcttctgc catnaagaag tccaacaagc ccgtcaagcc      480
cgagcctgag cagaanctnc gtggcaacaa ggccaanaan gccgttgccg ccgncgctct      540
gaggagaact aagctttacg atgcaaacat agaaatgggg gttgtgaata aggctatagg      600
atgaactagg gaggtaaact gcatagctta cacctgatga gaaaagggat catcagaatg      660
ggc                                         663
```

<210> 1025
<211> 600
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

```
<400> 1025
ggcaccgcct tgagtggcga cggtattgat ctctcagcct ttgcgccaaa gggttggaact      60
gagaatgggtg aactatcgac atttcgagct ttccagtcac ggggggcaac cttactacgg      120
anaattagac gcttttccaa ggaaggctac ttccttgatg tgactgtgtt ggaggagtgt      180
gtgaaancca acgtcggcga tctcacattc gaggaagcct ataatcgaag caagaggggtg      240
ttaaacatta cggttgcaac agagggtcaa ggaggtgtgc cgacnctact caactatctc      300
accgcaccta atgtgttgat ttggacagct gctgtggcgt nnaatgcctc atcgccttcn      360
ctctatggcc accggaaaac aacctatgctc tgcaaagacg ctcatggtaa catcgtaact      420
tggggccggc caatactatc nactttcgac actggacnca cacattatac tcggatcgag      480
actcacctnt aanggcgtat cgntgaactt ttcaacggca accacttttn ttgtcaggca      540
agcccgnca ttccttatcc cctttatcca ntcccatttt gcatggcccg ccctggtaga      600
```

<210> 1026
<211> 812
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(812)
<223> n = A,T,C or G

```
<400> 1026
gtgcatttct ttcttgctct ttataaccac caaccggagt cagattattg atcgattggc      60
ctgttcgaat agaccgagta ggtctgggaa aggaagaaag gtccggacat atcgacgagt      120
ttgcgcggca ctttcggctc ggacaattga aagccgcatt tcccccttag gcctttcttt      180
gttatcttga gcatcaactc aaacgtcgac atcgtcatcg ttttcgtccg cagcgaccac      240
ccgtggggcgc aacgcaacaa acttgaagaa aaaaaaaccg gaaatctccg ttcctcata      300
```

gccccgtagc	cgactcgaca	cctgtcacga	atcgatcgcc	gtcgacttta	caacccaatc	360
accccgatat	ccctccagtt	cgccaatctn	gggggcctcg	aaanccaacc	ttcgggggaa	420
catcggaagc	tgttgccccg	catggccac	caatttgag	acccttcgag	gaatacaact	480
ttgattcttt	gcccggccaa	ttctcattgt	tgcaaaatnt	ggccgcaggc	gcctttgctg	540
gtntagcaaa	acacactgcc	atgtttccca	tcgatgcgat	caagacnaga	atgcagattc	600
tgaacccag	caccacaccc	gcctactcgg	gagtcattcg	caacactgtt	caaatcgccc	660
anaccgangg	tttcttcagc	ttatggcgcg	gaatgtctan	tgtcatcggt	ggcgaggaa	720
ctgcacatgc	cgtttacttt	gcgacttacg	aagcagttaa	gcatgccatg	ggtggttaacc	780
aaactgggtgt	tcaccancct	ctcgtgctg	ct			812

<210> 1027

<211> 612

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 1027

atcctcaaaa	atgtctgccc	tcttcaactct	ccctatcgcg	cagtgtggcg	ctcaccctgg	60
cggtaccctc	acttgtactg	agccctcacc	aagagtctac	ctgctcacc	tcgtatcgcc	120
ccccgacaac	cgtctcacia	cgctgtcct	caatgccttt	ctcaacgcgc	tagacataat	180
cgagtttgga	taccctcacg	gtgttggtgg	aacaacatca	ggaattcaaa	agttctacag	240
caatgggctt	gatcttgaac	atgctgttgc	tactgaagg	ttctggcatt	tgctgtataa	300
tgtttggaac	cgcttcttga	cataccccat	gcctacagtg	gctcttatga	acggtcacgc	360
ctttgcagg	ggtctcatgc	tcgccacatc	tcaagactac	cgtttggtct	cctctccacg	420
cggttctcct	tgtctcaacg	aacttgtctt	cggtgctcct	ctcaagccc	ccatgtcagc	480
tctgttccgc	gtcaagtact	cccacgcaac	gtatcgagc	cttggtcttg	aagccaaacg	540
cttctcaggc	gaagatgctg	tggcaagccg	gtattgccga	caatattgag	ccccaaaggtg	600
tggaagacct	tn					612

<210> 1028

<211> 597

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 1028

ganttttttt	tttttttttt	tttngatcat	atcaaagtga	tnggggaata	tacaaaaaga	60
tacccaaact	ccggtatatg	cttttccttc	tcttaacggg	tttaanggaa	ctgnccctcg	120
gtattaccct	cgcccatact	cttgtctgntc	gaacttccac	tctggatagc	acccaggatg	180
ccatcaatat	aactngcgcc	gctccacttn	tgangcgtna	aaacatcaca	cttnaagtcc	240
ttctcgcgac	gctgaacaat	atnaacatac	gccttnatac	cgtncttttt	gaactccgcn	300
acaggcaatt	gtgatgggtg	cggttgagtg	caaaccnct	acnaaatgag	ctgcacacna	360
aacccttttt	tgcaatggcc	aaangaatga	cttgnngggg	tcatcccga	aaccgggggc	420
cntccatttg	aatgnngggg	gaggtgtccc	naaaccttgg	cgggaaaacc	tgnggacggg	480
gcggccta	ttggatcttc	tggaaatngg	ggccctgtt	caccaaagga	atcccccttg	540
gaccnatgca	aaacccttgg	gtaccctntt	nttcggcgcc	gannggaaaa	ccttcng	597

<210> 1029

<211> 502

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(502)
 <223> n = A,T,C or G

<400> 1029
 nagaagggtt ttggagcgct catgtcttct tccgctgagg atatngctga gcagatgccc 60
 aagctggctg agcaagcaga gaaggagggt gctgatttcg ctgggtgngg ngttgctgct 120
 acttntggcg agaagctcgc tgagctcgtc aagcgaacat atggcgagtt tggtgacgat 180
 attggntgct ttgtgctctt ctctctnaac tttgtaacac ttgaccggc gaggncttgt 240
 tcctggcgcc gacgacatca cgcctacatt ttcgnggaca tcatggagtg gcatggntgc 300
 atcngacaat ggtgtccgc cgnnttnaca cccaaagtca angacgngtc tactcttgnn 360
 gacatgctaa cctacaactt tgntccatcg agggacaaaa aganganacc caaagaatta 420
 cccttacgca anaattaacc ggacaaagnt acaattccgg ttaaaaagtt gtttanacna 480
 ccccgaccg aggaattaac gt 502

<210> 1030
 <211> 705
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

<400> 1030
 ggtatctttc cactcaacta tgtcgagaag cttaccgatc ctactgcgga tgagctgcag 60
 cgcgaggctc agatggaggc cgagggtgtt gctgagatca agaacgttga gaaacttctc 120
 acattgctca gcacctcaa cactgcgccc agagaagagg ataatgagga gatttccaag 180
 ctgtatcacc agacacttgc tattcgacca aaactcatca agttgatcga aaagtattct 240
 cagaagaaaag acgacttcac acaattgaat gaaaagttca tcaaagctcg acgagactac 300
 gaagctttgt tggagtcttc catggcccat cctcctcagc acaactacca acagtatgcc 360
 atgcgcccag ctcttggaac angttatcct caggctggcg gatatacctc ccaaggagca 420
 ccgcctcagg atccatcacg gtactacaca cctggccctg gangagcagc ctccatacca 480
 ggccctcatcc cctcccctaa cttccagaac caaccccaag gtcnaccagc tcctttttac 540
 gtancaggac tgaantgccg ctggctccaa cctatcccct agaatgaat ctcttccac 600
 ggcnaacagc cgccctatca acacatcgac actggccgaa ctcaacctta catcatctca 660
 gacacacnt ntgggtcaacn ctatnggagg tgactgnaac ncttt 705

<210> 1031
 <211> 597
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 1031
 agtaatcatc tccacggcgc tgcgtggcgt cctcacaggc tacgctttcg gtatctatac 60
 catcogtggc tatctcattt cgccttccct agtcnaagag cgtcggcgcg ccctgcacga 120
 tcctgtcgag agcgacgaaa gcgatgttga cgaagacnat actgtgctcg accatgcacc 180
 caactgggccc aacggccccg acgcccgatc caagcagggc ttgaaggctg ccgatgagga 240
 gaagaaggag cctgttggtta aggataacgg cgaggagtgc aagcttggtc ttgtcgtgcg 300
 aacagatctc ggcatagaaa agggcaaaat cgctgtccta tgctcccatg ctacctcgc 360
 atgctacaag tctctcgtec gcgctccgc caactctccc caagcccaga tcctcaagcg 420
 atgggagcgt ctcgccagc ccaagatcgc tgtgcaagtc aaganccagg acaaaatcct 480
 cgagctccga cgcaaggcac gatctctggg tctcactgct gaagtgatcc aggacctggc 540

cgaacacaga tcgaagcngg tagcatgacg gtctgggctg tggactgctc ccncacc

597

<210> 1032

<211> 589

<212> DNA

<213> *Fusarium venenatum*

<400> 1032

cgtaagtcg	acaaacctgt	ctctacaaga	tccacgagca	ccaggattgg	gataccgact	60
cttgcaactg	gaccagaaca	cgccgcaagc	cgaccttgaa	aagaccaccg	aggaagctta	120
cacaatacga	cgctatctta	gtggcattcc	cgaaggacaa	gatgagatct	cgaaagagca	180
tgctcttcca	caggaaacaa	atatggatat	catgcacggg	attgacttcc	acaaggggtg	240
ttatgtcggc	caggaactca	caattcgac	aagacaccgc	ggtgtagttc	gcaagcgaat	300
tctgccatgt	gtagtctacg	agaaggaaca	tgcaccccca	acaacactgc	aataccacgc	360
cgacggcgca	gcctcatctc	tcgaaagcgt	gaccgcgga	atgataccgc	ggggacacaa	420
gcattggacg	gttcgagaag	cgaagacgca	gcgctggcaa	gtggctcaag	ggcgtgggca	480
acattggact	tgggttggtg	cgctctggaga	acatgactga	cgttacctgc	cgggcgatgc	540
ggcatcaggg	gcattcaacc	ccgaagacaa	ttctgctgg	aattggggg		589

<210> 1033

<211> 647

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 1033

gtcgcattta	aaacctcggg	tgcttctccc	cagggtttct	taaccttttc	attatcgtat	60
actcttaatt	tgattttaca	cattaatctc	aactcgtatc	agcagccatg	cctctcaaga	120
acgacaagtt	ccccgcctcg	gccgccttcg	acgccattca	agaggctatc	aacgccagcg	180
atgccgatcg	caaggacgcc	atcaagcagg	gtaacggtgt	ctacgccttt	acctcaaga	240
acgcgagcgg	cgacgaggcc	agctggcata	ttgacctcaa	ggagaccgga	aagggttcga	300
ctggcaccgg	cgaaaagccc	gacgtcacc	tcctctctc	cgaagagAAC	tttggaagc	360
tcgtcgctgg	caaggccaat	gcccagcgtc	tctttatggg	cggcaagctc	aagatcaagg	420
gcaacgtcat	gaaggcgacc	aagcttgacc	ctgtgctgaa	gaaggccag	accaaggcca	480
agctgtagtt	gaagcgtggt	tttatatagc	attgtgcatt	attttgntgt	ttctttctgt	540
acgatatacca	cttgctgggt	gtcaatcact	ccatgcttcc	tggatgcgaa	tacatatagg	600
agtatacgcg	tcaatatcaa	ttttgatacc	tttttaaaaa	aaaaaaa		647

<210> 1034

<211> 513

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(513)

<223> n = A,T,C or G

<400> 1034

ccgaacgaat	aacacaacgc	tacagaacgc	aaagatggtg	gacattgagg	atttcattga	60
ggagcgcggc	gggaaacccc	gagaagattc	gggatagtc	gcgtcgccga	catgctcctg	120
tagagctcgt	tgacgaagtt	attgcccttt	ggcaagatgc	gcgaaagacc	agtacggcgt	180
cactcagatc	ggtacacaaa	taaatggagt	ccaaaaggag	attggactcn	agaagaaggc	240
taaggaggat	gcgaccgacc	tgctccagca	gaaggaggaa	ttgacagaga	agaaaaaagt	300
ccaggaagan	ctcgtgcgg	ccaagaagct	gagctcaagg	tcnaggccaa	gctcgtcnga	360
aactacgtcc	acgactccgt	nccgtcagcg	agaacgaaga	cacnaccccn	tcgagagaac	420

ctgggcgcgcg agactttgac aagaacaagc aagccgctct ctcccaccac aatnnctcct 480
 gcgacttgga agatacaacc cgtccgaagt gtc 513

<210> 1035
 <211> 579
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 1035
 ctctattctc tttctttctt ctcccctgcg atctagangg cgacggtttc aataaagaaa 60
 aagaaaggaa aangacaact ccacagtatt agaaaatgga acgctctgaa ttgggaattc 120
 tccaagcaa aacccttggc gcttcngaa cagcaaaagg aacctttcct ctgggaacag 180
 ttgggaagga aatcgcacan ggtcttgaat tggccaacct ttttgacatt gtcaaggtcc 240
 gactccaaac atcaaaccaa tactcctcgc ctatcaatgc tgccacaacc atctacaana 300
 acaaaggcgc tctagccttc tacaaggga cactcacgcc tctcatcngt atcggcgctt 360
 gcgtttccgt ccattcgggtg ccttcaacgc tgccaancgc tgggtccagg aacgcaacaa 420
 tggggctgaa ctttcttatc ccaatacggg gccgcagggt ccttcnctgg tatctccaac 480
 tcattctctc tggaccatc aacacatcgt atccgtctca nantcaactc acggggccggt 540
 ccttgttcna cggactggcg antgctcccc aacttgacc 579

<210> 1036
 <211> 991
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(991)
 <223> n = A,T,C or G

<400> 1036
 ctcgtctttc ttatcaatac ctgnaaaagc ccggtctaca atcttgactt tgttctctct 60
 acccatttaa tatcctgctt gtcctttana acatcaacaa aaattctcta ttaatagtat 120
 cggcgcgttc aattaacgcg gcgaagagta cacaatgacc gttattgaag gaaacgtag 180
 gccaacgctg ctgcgaccgc cagagcatga cgaagataag tctttgattg anaacgtctt 240
 ggacgttacc gagctcaagg ttctaggaac agatatcttc acaaacacac atcctcaatg 300
 gcgtccccct ggagcccgtg gtatttatgg cggcgccgtc atcgcccaat gccttgccgc 360
 tgcgcaaaag acagttccag agacattctt ggngcactcc ctccactgtt attttctcct 420
 tgntggctcg tccgagacct caatcctcta ccacgttgag cgggtacgcg atggccgctc 480
 atatgcgaca cgcacggctc aggcacgaca gaagggcgca tgcattctta ccaccactat 540
 cagctttgtt gcgccagggt agtcagaca agaancagcg ggaggtgaag ccatgcggcg 600
 acccttccag anaacgtaac tgcncgccgc gatgattggg gacggcgagc cagagtgggc 660
 aagggaccgc accctttcag agtcacagaa ttgaagtgcg gggttccaat gaccctgaan 720
 ttaagccaca gggaccgcaa gaacagacag tgggtgcat cgcgacaaaa gatctcnnct 780
 gcaggcgggc accaagcaca tctaaatgct ttagcctaca tgcggatan ctactttatc 840
 ggcacgtct cccgcctcca tggcctatgg cgcttcccat tctcccctga agaagtcctt 900
 ccctngatga naaaaccccg gaaaangtcc agganatttc naatttnaaa gcatgggttc 960
 ccnccctgaa gactggaana aaaaaaatcn c 991

<210> 1037
 <211> 581
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

```
<400> 1037
ctcacttaac ccaccgaacc cccgggtccg atccacggct tccagctccg gaccctctcc 60
cgatcagcgc cttgactttt tccgggtggt ctgataaagc agtccaacaa ttcaaagatc 120
atggcaacgc aactcattgc tctgccggcc gtaaaacgtc tcagtcctac ttgcatacgc 180
atactgggcg gcaatccagg aaaattcact cttcaaggta caaacactta ccttcttggc 240
acaggccgaa gtcgactcct cattgacacg ggtgaggggc gcaaggcttg gatcacttcg 300
gttcgcgaga tactgcagca ggaaaatgca accatcgcca ctgccttaat cacgcattgg 360
catcatgacc ataccggcgg tattaaagaa ctcttgagta cctctcctca ggcgagaatc 420
tacaagcaca ctcccgacga cggacagctc gacataaagc acggtcagcg ctttgaaatc 480
gaaggcgcgga acttgacagc tgtntatacg ccagganaca ccagcgatca tgtcgtgttc 540
gtgtttaang aagaaaaaac aatgtttact gctgacaatg t 581
```

<210> 1038
 <211> 564
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

```
<400> 1038
atcccatcat cttcaccttc tgaatcgaaa cagatcaacc tctgttttct ctaccttttt 60
ttatctccca agtacaatca ctcaaccaag tcatcatggt caactgggct aagcaacaac 120
tggccaatgt cgccggcact caggagcca tttacgggtc ctctgccatc aagtctgttg 180
ccatcgaggc cgaaaagact ccctacaccg agctcactcg agatggcttg aagtggaagg 240
ccatggactc nacctctgtt gagacagaga gtttctacat ctgtgccgac aacggttaca 300
ttgtctttgc ccaggtcac ttagcaacg ttgccggcat tcgaacaacc tgccagttca 360
acgcaaaggt ctttgacaag gacccttcaa agccccacct ttgggcctca acacctntca 420
acaaccaaga ctttaacgag gacaagacga gtttctacct cgacgactgc ccgtcgagct 480
atccgaggat ggccttacta cactatcaag agcatgaaca gccaggaagc catcgtnacc 540
tgaanacacc cgctctacct ctgg 564
```

<210> 1039
 <211> 524
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

```
<400> 1039
ttagatntat aactnccaag aagtataaaa agaattgttac gcataaacga aacatcgact 60
tgactatcgt gatggggtag atcgagtcaa tcaacctcca ccactcaaac aatttgttgt 120
tgaaagatct tgcggtccat aacagagaaac catacctatt ctntttaact aaacatccat 180
gccatcgcgg atgcgcaaaa agttggcata tcgctccaaa gtccagcgac gggacgcctt 240
accccgagcc gccatgggaa gagaagtnat gatgataaca aagctcanaa caccaagttc 300
aatgaagcag ttctgcagac ctgttcaatc caataactac acacaaatgt gaagatggta 360
gccatgctgt tttgatacag cncctacca tccctaanga ccatgtccgg gtaactgtca 420
ccgaggtntg tgatgctaaa atcaccagcg canccgtccc aaagccgatg aaccaanacc 480
acgtccggat ggccanccaa tctgactgac catgccaaata cccn 524
```

<210> 1040

<211> 567
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

```
<400> 1040
acacattcaa tcttgtactc gactctttcg tctcggtgcc nactgccagc aacagctttg      60
ctttgattcg attgtgctcc gcttgcccca ctcataaata tttgatctgt gcagcaaacc      120
aaacttgacc tccccgcgca tcaatcaatc agtccatcac cagaatcctc cctccaaac      180
aacataacaa accttacagc tagcaaacat ggcgggataa gaccaagacc ctcacacgac      240
acctgtcggc ccttcttacc gtactcaaca acagaagccc agtgctaccg tctctgtcga      300
tgtcaaccta gacaatgtcc atgttctgcc ccagaccctt cagctcattg ccctactgtc      360
gatgatccgt ngcaaagaga cggagcgagc agactttatc ttctactcca accgaattat      420
tcgtctgctt gtcgangaag gtcttaacca tctgccccgt cattgagcat actgtcacta      480
cgcctattgg tcgtacctac aatggtctca tgttccaggg caagattgcy gtgtgtctat      540
catganaact ggtgaagcta tggacan                                     567
```

<210> 1041
 <211> 493
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

```
<400> 1041
cagactatca acaatgtctg atcgtactgt tcttgttaca ggtgccactg gactcttggg      60
tcgagaggta tctgcggctt ttggtatcaa aaattgngag gtcaaaggaa caggcttttn      120
ccgtgcagat ggaatcagca ctctcaaagt cgacttgggc aatgagaatg aagtagcnaa      180
ttttctagat gataccaagc ccaatgtnat antccactgc gctgcgcagn gattcccaga      240
caaggctcgc aaagaccccn gagggagcca gancactcaa tgtccctgct agcaaggcac      300
ttgccaaact ggccgntgaa agaagatttt ntggcattta cattttactg actatgtggt      360
ccctggcgta cncggagatg ctccataccn anctgacctt aacccgnact taccaacctt      420
antggcagac taacttgatg nggacntgct gttttagaac cttttaagga ncttgtaagg      480
aagcttgggt gtg                                     493
```

<210> 1042
 <211> 959
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(959)
 <223> n = A,T,C or G

```
<400> 1042
gcctaaacta agatacaacc cacttctcac tctctcctac tcttgagcgc ccatttccaa      60
acgactttgt cctttcgcac cgtgagactg tttattcctt ttcccatcca cactctacct      120
tcgtccgacc acccctcatc ctaaaccatcc cgtctcctga cgtagaccgc aatcatgtct      180
caatccggag ccaccgtttc tcaggaatgc attactgctt tcaacgactt gaagcttaac      240
aagaagtaca agttcatcgt ctacaagctc tctgacgact acaaggagat tgttgtcgag      300
aaggcctccg agagccgcga ctgggaggac ttccgtgaga cgctcgtcaa cgctaccgcc      360
aagagccgaa ctggtgccgt tggcaagggt ccccgttacg ccgtttacga cttcgagtac      420
```

aacctggcct	ctggcgatgg	tatccgaaac	aagatcacct	tcattgcctg	gtcccctgat	480
gatgctggca	tccagcccaa	gatgatctac	gcttcctcca	aggaggccct	taagcgatcg	540
ctcaccggca	ttgccaccga	gttgacggcc	aatgacactg	atgacatcga	atacgacttc	600
atcctcaaga	ccgtcagcaa	gggtttgttg	cttaagcgcg	ttgtcacgaa	accgccaatc	660
gccgcccgcg	cttccttata	gaaaccgggt	ggtgatggga	tttgacatac	ctaggcgttt	720
caagagttga	gacgcaaaaa	taagcaagca	atttaattgag	ttggaatgtt	tagtgagtgg	780
atggaaacgg	gcgcgaggat	accatggggt	tttcgtttct	tttggggacg	taaacnacna	840
atttgcttca	ggaagcgaaa	cgtaaattcg	cataattgcc	agccctggcc	atgtttcgtg	900
cgtacccccg	gaaaataaaa	cgcatgctgg	tatatggcaa	tcattggcat	tttattatc	959

<210> 1043

<211> 487

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (487)

<223> n = A,T,C or G

<400> 1043

cgacgatccc	ttctacgaaa	taccgaaaat	gtcatcatcc	aattatgtca	caacggggcca	60
ggcgcnaaaac	ctacgcgcac	gcatgatctg	ctcgatcgtc	atgacctccc	agcgcttnca	120
aaacgaaggt	tgccccaact	gcgaggagtt	cctacacctc	cagcattccc	cggaccanac	180
cgagagctgt	acatcccaag	tttttgnngg	tggtatcact	gctcgaaaac	ccgaccaagt	240
ngtggatcgc	aaagtccagc	gcctcnatag	ctacgtgcct	ggcatgtatg	ccatcaaagt	300
ctcaggacaa	ctacctgatg	atgttcgatc	gacgttggag	gacgaatata	aggatacant	360
ncattccacg	tgcggcacag	aggcgganaa	cgatncttaa	aatacntact	tttgccgtgc	420
ccacaatnaa	tttcnctntt	tttggaanaa	cgntgtgggg	ggantaaatt	gntgtgtttt	480
tggaanaa						487

<210> 1044

<211> 544

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (544)

<223> n = A,T,C or G

<400> 1044

ctggaaatga	caganccaat	ctcaatcagc	cgtagtgagg	aagaccaatt	acattatgac	60
attgtcatct	cgggcaagag	tttccccatt	ggtagcaaga	ttcccatcgc	cttnaagctt	120
acaccactgg	ccaaggttca	ggtgcacaag	ctcaagggtt	atgtaacaga	atccatcgag	180
tactggacaa	acgataagcg	tgtgaccgcg	aaggatccgg	gccgcaaaat	cttgctgctn	240
naaaagtctg	ntggcaagcc	ccttgattct	tcctactctt	tatccgatat	ccgaacactc	300
cgcgngggag	agctcgaccc	tgaacagcga	caacaggccc	gtgaggcagn	tgccagaana	360
cggacacagg	aagctgcaga	cgacaaaacta	ccgttgagcc	actgccnaac	catctgcaac	420
ctttttgggtg	acctggactt	ggggccttgan	accatntggg	gctcaacgga	aattgaagcc	480
aatgtgcana	tcccagacctg	cgagatgatg	gccanaaaca	angagctgcg	actcaccctg	540
actg						544

<210> 1045

<211> 585

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(585)
 <223> n = A,T,C or G

<400> 1045
 gtagtgcaat atggaggcgt tgacgccggc accagcaatg attggatatg cctgagtgtg 60
 agcaccaatg ttatgccagt gacattactc gcactcttcc tgttaacggc tttttctcaa 120
 agcaagcttc tgcaatttac tctattgtgc aacgcatgca ggaagaatgc ataacacgtg 180
 tccggccccg cactgtttac tatgagctcc agcttcacgc tagcgacgtg gctcttcaan 240
 gcttgcgcaa gctgggtctc ttgaaaagta gctttgacga aatccaaaaa gcgggtactg 300
 ttgcagcttt ctttccccac ggccctgggc accatcttgg tcttgaagtt cacgatatca 360
 ctggtgatga gcgcctctc atgcgagaca actttcacgt tgaagggtga aaacgtgaga 420
 tggtgactgc cgcctccctg gtagctatgc accgcatggc ttcaacacca ggccctacca 480
 ggcccagaca gaccttcagc ctaacatgat agttacaatc ganccaggaa tctacttctg 540
 ccgtcctttc attgaagggt acttccctgaa caactcgaca catgc 585

<210> 1046
 <211> 588
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1046
 attaactggt gcaaggggcg ctggatatTT ccagcgtttg tgggactgct ttgctgtgcc 60
 acgaattaga cgcgccaaact atggtgcttc gactgtcatg attgcccagc agatgtgcgg 120
 tatcaatatt atttcttctc acagttctac cattttcgtc aatgctggct acaccgaagt 180
 ccaagccctg tatgcttcac taggatacgg tgctattcaa gtcattgcaa caatcccagc 240
 gttgtttctc atcgacacca agggacgcag aacgctatgt ctcatcacct tcccgttcat 300
 gtgtgtcttc ttgctcgctg ctggctctgtc tctcctcaat catagtggca gccgaagtgc 360
 gcagattgga cccgttgctc tgctcgtcta cctcttcaac atcgccctact cctgggtga 420
 aagtcctgtc gcctttcaat actctgccga agtattccct actatccagc gtgagcaggg 480
 tatggcctgg gctgtctgca tcaacaacac ctttgctggt attctcggtc tcaccttccc 540
 tcgaatgant gctgccatga caccactgga accttcggct tctacgca 588

<210> 1047
 <211> 588
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1047
 gtggtagtgt taataccaca tgcttctttc aaggctctca agagtacttc atcttctgact 60
 actctggaaa tgaaaaactg agagcaatat ggagaaaact tctattcaga ttacaggcaa 120
 ttgtctttgt catcgatagc acagatagag cgaacatgga ggagactagg gaggcgttgt 180
 ggcaagtact acgagaggaa atgcttgatc ctcagcctgt tctaattctt gcaaataaagc 240
 aagacaatcc taaagctatg agtgtgcttg aactcattga gtgcctccga aataanaaag 300
 atcttgagaa aactagaaaa tgccgcatta tcgccacgat ttccattacc ggtgaaagt 360
 tagtccaaag acntgagttt gatgccaaac attgtgcgtt tcnaatccct cccnctgaga 420
 aaaatgacnt ngaagaaaat tccntccaca ttcccttatt tctcccttgc aattctcatt 480
 gtttccggga aaaggaaaaa ccaaccttan aaacaaatng tggttccgtt ttatactgcc 540
 ccaatttaac ttttaacnccg ttttttcntt ccccganttt taaaggcn 588

<210> 1048

<211> 487
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

<400> 1048
 cggccgcagg gaattttttt tttttttttt ttttttttta aaaaaaata gtagttttgt 60
 atatgcttcg tcaaatagta caaattctgt acatgatact agaatacaca cgccagctgc 120
 gtccaatagg ccaccaagcc ggccaatata agttcccaa atgccatttc tctatttgat 180
 cttcttttgc ttcagcttga tcgtttggtc gttgatgaac acgccctttc ccttgtaagg 240
 ctccggagga cgccacatgc gaactcgccc agcgaaggac atgataacct cacggtcaac 300
 tncctnaatc aggatacgtg taggcgcagg agtcgtaacg gtgacaccgc gggggatacc 360
 ctncctngacg ggatgcgtga aaccagctt gaggcacagg aaacgctggc caggaaattc 420
 tnttttagcc ttcccagagg tgccttntac atggttggnng acttcgcctt cgcaaggcca 480
 aggggtga 487

<210> 1049
 <211> 503
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(503)
 <223> n = A,T,C or G

<400> 1049
 ccggcttaga tctgtctcga taacaagcac taaggctcac ttttggataa ctaagtccaa 60
 gtaccctgac gacattcata cttcagccaa caaagatctc acaattcatc atgtcaaagc 120
 ttttcacatcg tggcctagca tggcacacag aggagaccac tcttcgccag aagtttgagg 180
 agtttggtcc tgtcgaagaa gctgtggtgg tcaaggaccg tgatactggt cgagccgcg 240
 gcttcggatt tgtgcgatac acccaggagg gcgacgctca gaacgccatc gcagccatga 300
 acaatgtcga gtttgacggg cgaactatcc gagttgacaa ggcacccgac aacggccctc 360
 gaggtggttt cggtagagga ggaggtggtg gcgcggtcta tggacgaaac tttggtggcc 420
 aatgccatac ggaatggccc tcctggacct gctaccaaact gcctgnccct aacatgtacg 480
 cgcccatgcc ttatggtcgc gga 503

<210> 1050
 <211> 566
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

<400> 1050
 cgacgacact tcaacccccg gacgtcaatt gcttctcctc gattcaaaat gaagtactcg 60
 ctgcgccctc tnatcctcgc cgggcggtgg ctgcgccgnt ttttcaagcc cgccgctacc 120
 tggtagctna acactgccgg gtaccgccag atgggcctca aatacgacga tctcctcgag 180
 gaggagaacg agactgcccc ggctgcccctc aagcggtttt ctaaccngga gtntctacgag 240
 cgcattntacc gtatccgacg tgctgnccag tgcagttacc aacacaagct ccttcccaan 300
 ggccagngga ctacctnccg nttgganaag ccctaenttt nagnctttta tngaaaaggc 360
 ccccccgaga aggcccaaaa naacaagctc aattcctttg ttggcgggcg aaacactaaa 420
 attttttggc cctccgggtg ggaggacagt angaatgaag gtttggaac nctcccnggt 480

ggnggtgaaa gggaattcct cctctaaaaa aaggggggtcn cctcacggtg aanaattccc 540
 gntttttttg agacgttggc ttgctc 566

<210> 1051
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 1051
 ccgggcgaga aaagccaact gtcaacgata cttgtgcctc gacatcgact cgactcgact 60
 agacattctc caggcgcatc tcgcaaaaac attgtctcaa cttgaatagt tgctttcagc 120
 gtattggaat tctctataga tagttgactt cgtgcgcttc gtcgctgttg tgcgctctat 180
 tagacatcat gattgaagac aagtatatgt gtctggctct cgccatgaca tcggccctcg 240
 ccatcggaac aagttttgtt atcacaaaaa agggattgat ccaagcagaa gagcgacatg 300
 gctttgaagg cgacgggttt gtgtatctca agaatccctt gngnggggccc ggtatcgcaa 360
 ctctgtctct cgganaaatt tgcaactttg ccgcatacgc tttccccctg ctatccttgg 420
 tactccccct ggagctctca gtgngctcat tggngccgctc ttggctctta tttcctnaaa 480
 aaaaacttgg taccctgggc aaactgggca gtgctatttc ctgattggcg ccgntatnat 540
 tgnctcccc cccctccaaa tgaagagatt ganaccgcca agaaaatttc atttggccat 600
 tcanccaggt tttcttctat cgctttcgcc ggn 633

<210> 1052
 <211> 594
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 1052
 cttgttttagt tcgagaaaaa caagatcaag atggcttccc tcaggactct taccatctct 60
 aaccgctctc cgaagcaacc catcaagaac cttccagagt cgatcgaggt ccaacccgac 120
 accaccgtgg aggacctcaa gattttgatc gcaaaggaga ccaagctnng tgaccacaac 180
 cgtattggtg tntatgatcc cactaccaag aagacctca agaaccgcan ggctcgctc 240
 gtcgatgagc ccgccgtagt tgcagctggc gagtcctca ttaaggatat gggttacca 300
 attccttggga gaaccgtctt cgctcgncaa tacctgggtc ccctnatatt ccatgccctt 360
 ttctgtcgcag cccgcccctt tttgtaccgc aatggagacg gcgacatgtc ccaaactcaa 420
 tggatcactt tcgccatgat catgctgcac ttcgcaagcg cgagtacgaa actntttttt 480
 gtacacaagt ttttcgcaa cacaatgccc tgggaaaaac atntttaana acaagttttt 540
 ttntactggg cccgtctttt ggnctgggt gngccttact catttaacaa cccc 594

<210> 1053
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 1053
 ctcgttttga caaccacccc cataagaaga tatactataa acaacacata gagccaagtt 60

aaagagccat	tgacgctcta	gtctttgtaa	aatggcctct	caagaatctc	aaatgccatt	120
tattcgcaac	ctcgcttcaa	gcgatcgcaa	actccgaaca	gcttctctag	agacccttac	180
aacattcctc	gcctcccgcc	catccctttc	cgacctcgac	gccagaagc	tctggaaagg	240
tctcttctac	gccctctgga	tgaccgaccg	tccccctccc	cagcagcgtc	tcgcaaccga	300
cctcgccaac	ctcctcttca	ctctgaagcc	cgtctgcgcc	atcccctggt	tacgcggatt	360
ctggactgtc	gtcgggaatt	cagtggaccg	acatcgacgt	cctccgcctt	gaaaagtttc	420
ttcttctcgt	ccgtcgcgtt	ttcgccctcg	acgtgcgatt	cctgagggag	cgcgactgga	480
aggacggtga	cgttgaaggc	attgtnggga	gtctggccga	atttcctttc	gataaggaag	540
gcgattgcga	aagaacctgt	gggcttan	tgca			574

<210> 1054

<211> 579

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(579)

<223> n = A,T,C or G

<400> 1054

ctgagctcgt	tactggatcc	aagacagcgg	accccggcgt	caagaccgct	atgctcaagg	60
cgctatacga	ggttatcagc	aaagctggcg	ctaacatggg	agaggcctct	cgagcttctg	120
tcttgtcact	tatcgacatg	gatacagacg	agagagatga	gaccatgacc	atcactaatg	180
ccaagctact	gggcgcgctc	atcaagaacg	ttcctgaaga	tgccgctctg	ggtttgttga	240
agaaccgcgt	ggccacccca	catttttacc	attcttctgt	tcttgcctctg	aactccgtcc	300
tggccgagtc	cccagatggt	ctgcttcaaa	gctccttagt	cgacgacttg	cccgaacctc	360
tggtccaagg	tgctactaac	aagaacgtct	ttgtcgcgga	caactgtatt	cctgctaccg	420
gaaagtatct	gctctcggat	tctgcaaaga	ccttgagaca	acaaagggat	cntcnaggcc	480
tggcttctgt	taccaacctg	gaatgcgacc	gattccgtca	cttgctcnat	cctcgtcgta	540
ccgtcagccg	caaagaatgn	natggtcggn	ccangttgc			579

<210> 1055

<211> 560

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(560)

<223> n = A,T,C or G

<400> 1055

cacagaggcg	actacagaga	ctacagagac	tacacagact	gcagaggcca	cagtgcacaga	60
gacagaggca	cccaaagagc	ccgtcacaga	gaccgcagag	acggccgaac	ccgtcaaaga	120
gcccacagac	accgagtcac	cccaaacttc	cggcgaaaaa	gtcgacgagt	ccatcgaagc	180
cgtcgaagaa	gcctctgaag	acgaagcctc	cgacgacgaa	ggtggctgga	tcacaccctc	240
caacctcaag	aaacaccaag	cagcatccgc	cggcgcagct	ctcccttcaa	ctcctgtcca	300
aaaaacctcc	aagccgcggt	tctcacctct	gattncgccca	tgcaaaacgt	cgctctacga	360
atgaacctca	acctcgtcgc	acctccctcg	cacgaatcac	acatctcaag	aactgggttc	420
tacgtgcca	cggntgcttc	cagatcncca	aagaaatgga	caagcngttc	tgctctacct	480
gtggacaacc	acactcatgc	gcncaaagttg	ctcnccgac	gaacacggaa	acttccaggg	540
tcactctocag	aaaaaatttc					560

<210> 1056

<211> 291

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 1056									
actgtccatg	ccagcctaag	cagagatctt	cgattccatc	acaagtgcac	tccttggtcca				60
ttggtggtgc	ctgtcgagaa	ctctttgaca	gcaacattgc	cagcgggtgc	agagtnctgc				120
aagaagcaca	aagcattctc	caganacgtg	gtttcaatcg	attctttcct	cnaccanatt				180
ttggtgctga	gttcattggc	caaaccaaga	naantcacag	cgcggtggtg	tgatggaaaa				240
aatacatgct	tctcntcnaa	ccccaaagacg	aatttcgaac	ggaccagcgc	c				291

<210> 1057
 <211> 814
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(814)
 <223> n = A,T,C or G

<400> 1057									
atttgaacag	ttaatccatt	tcttagtcca	ggtcggtgcg	tgaatccttt	ggttcaatct				60
gctagatttc	cgcagttttc	gaaagacact	gtcacttgca	tccaattctt	tactaaacca				120
actcatcatc	cactactaca	actcgcttgg	ttcagccaac	ttcttaccgc	tctctgcct				180
ctcaccgtca	tctcatattt	ttaccggtcc	ctgcgaacat	ataaaccctt	gggtttccat				240
caattcttac	tacttttttt	tttttttttt	ttaccacaaa	caaccgacat	catgcctcct				300
aagcgaatcc	gttgcaccgc	cgctacttgc	cgcgagcctg	cccagcgcac	cgtcggcgac				360
tgtacctttt	gccaaagtca	cttctgtggc	aagcaccgtc	tactagaaga	ccacaagtgt				420
actggtcttg	aggattgtaa	aaagcagtc	tacgagcgta	acgctgtaca	actcgagtcg				480
gagcgaaccc	aggttatccg	gggcgtgtaa	accgaccaa	gagatcacac	atactctcat				540
aacagatgtg	tcacggactg	gagactggcg	tcactcctca	cgtacacgat	gcgcgactnt				600
gacggccacg	acgtaacgat	gggattgggt	ttcgacacag	tatttgcatg	aaaaganatg				660
cagggcgtaa	ttcgccattg	tatatattcta	tttcaacagt	tgaggatgcg	acggcgact				720
ggatatgttt	tgagggggca	taattcccca	ttctagcggg	gtctgcatta	aatcaattca				780
tcacaaatca	attacttact	attccaaaaa	aaaa						814

<210> 1058
 <211> 277
 <212> DNA
 <213> *Fusarium venenatum*

<400> 1058									
cgcattggctc	ctaacgagat	tgagcgcaag	attgacgcc	ttactgagaa	ggacattatg				60
gacttcgcca	accgaaaact	ctgggatcgt	gatattgctg	tcagtgtgtg	gggaaccatt				120
gaggttctct	ttgactacca	gagacttcgc	aacaccatga	agccaagt	ttaagttata				180
gagggctagt	ggagttgtga	aaatcgaaac	cagggatatg	agtgtatgag	ataccgttta				240
caggcctagt	gtccataaga	attcctctgg	tcatact						277

<210> 1059
 <211> 624
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 1059

<400> 1062
cagtggccga tcaggctgtt caggaaattg ttgcgcttta tgaacactct ggaagtgtaa 60
aggaacgggc aaaggttaaca gcaacggcgc gtggcgaggc tgctgagtgg gtggccagtg 120
ttaaggtcgt ggctacggat acgggtctac gcgtaacatc ggggatcttc gagcttacag 180
ggtccaagtc tacccaaagt aagattgggc ttgaccgttt ttggcgagac gtccgaactc 240
attctctcca tgaccccggt gcctacaaaa atagggaact tggtcgctat caactccttg 300
gagaaattcc ggagcctacg tggtagacat gagagtaagt tctttggtcc cattgacaac 360
cgagggttgt cgggaaaact cccagaaca atactatcgt ttgtaattct ctttcaatta 420
aatatatatt taaacaca 438

<210> 1063
<211> 568
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1) ... (568)
<223> n = A,T,C or G

<400> 1063
acaaggacaa cgtcaagcag atgtggccca aggctggcaa cagcccatg tctggctgcg 60
agtctttccc ttgcgacaac gcctactggc tccctgacga cgtccagacc aaggctactg 120
aggaggttga cctcatcacc accctcggtg atggtgccag tccttacagt gcttaggtgc 180
ccctactgnc attgcccaag cggccctttt tcttcaactc tccctcccc ctttccacct 240
tttcatgccc cggcgttgaa caccgcattg acgatgtcat gaaccccttt ctacactaca 300
cgagtttcgt ttacataacc ctgaaagata cccctcgtgt gttgcaatac cgaggccttt 360
cgntatagac ctttgggctg gagcaagtgg cgcttatgat gatggatacc catanagaca 420
aggacaaaca ggattgagtt catacttgga atttcaacta tgaaagcggg cattttttcg 480
gcttntgccc atacggcttg angttttgga taacaaaagg tgagggtggcc ttgtttaata 540
ccaatttacc tnttgacta acatttaa 568

<210> 1064
<211> 437
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1) ... (437)
<223> n = A,T,C or G

<400> 1064
cttgcaacaa tggctggaaa gtttgagccc aagaccgccg tcactctcga ccctccaaag 60
gacgacatca tctccaagga ggagctcgcc aaggccaacg gcgctactga aggggggcaag 120
tgctacgtgg ctatcaaggg caaggtttat gatgtgactg gcaacaaggc ttacctccct 180
ggagcttcct acaatgtctt tgccggcaag gacgcctcaa gagccctagc caagtcctcg 240
acaaaacagg aagatgcgct tccagagtgg caagacttgg atgataagga aaaaagcgtt 300
cttaacgact ggatcacctt cttctccaag aggtacaaca tcgttggtgt tgtggagggt 360
gccacaaaca cagagtgact agccgcgttg cctccaagta ctcacgtcaa gttatgaatt 420
caccggttnn aaaaaaa 437

<210> 1065
<211> 548
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature

<222> (1)...(548)
 <223> n = A,T,C or G

<400> 1065
 cttcttttctt cttacgtttct aatcttttacg gccagacgac nattaccttg ccatgcctct 60
 gttggcttca acctcaatcg ccgcccgggc gcatgcgtta ccagtcacat tagctctgtc 120
 gggatctttt ggcagcatca gtttaacttc ttggatatgc cttctgctac cccaattgtt 180
 cgccaactac aaggccaaga gtgctgatgg cctcagcatg gccttctctca tcgtctggct 240
 tctgggcgac gtcacaaatc tcatcgagag cttgttcacc cgcctagccc ccaccgccgt 300
 tgccctggca ggctactttt gtattgccga cattgtcctc atcggccaag ctgtttacta 360
 caacgccatc aatgcccggc gaagcgagtt cgccttgagg aacgagacca attgaccttc 420
 ggaaggaatc gcctctcatc aaccgatcgc gccgacgaaa tctctctttt ggctctccgg 480
 ggtctcagtc gacgccatgc gacacatacc gagtcctcaa tgganccatt gaagaanac 540
 gtgaccgg 548

<210> 1066
 <211> 356
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

<400> 1066
 naatttttggc cgatgacttt tgaactctcg ttcccagataa ctccaccttt tcttcacctc 60
 ctgccaaacg agccaagacc gccgccacaa tgggaagctcc ccctgccctc caaatcaaga 120
 agctctctga gaagggccgt cttcctactc gtggcagcga gtctgctgct ggatacaata 180
 tctactctgc ccacgacaca actatccan cccgtggaaa ggctctgggt gataccnata 240
 ttaacatggc tgggcccgtt ggaacttatg gccgtatcgc tccccgaaaa aggcctngct 300
 tccaagcact ttattgacac angcgtgagg gtatngatgc ccataccggg gccagg 356

<210> 1067
 <211> 584
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

<400> 1067
 ctggatgacc gactaccaac aactcagtc agactcattc ttaccactct ttcgaacaag 60
 caactcccaa actcgtcgga ttcgcccac tccgaatatc tttccacaag cgatgatgaa 120
 tttcttttct tgcgactcgc ggtgccccta tgcggtggca aaggtggttt tggatcacag 180
 ctgagagccg caggtggtcg catgtcctca cgcaagaaga agagccaaga ggatcatgga 240
 tctagtcgaa atttggatgg ggcagcgttg cgcacagtga acgaagccaa ngctctggca 300
 gaatacttgg ctatcaagcc tgaaatggag aagaaggaga aaganaaacg ccgtgagcgt 360
 tgggagcaga tcgtccaagc ctccgaacaa aangaggccg agatcaagtc nggtagtata 420
 accggctgga tggccantgg gttgatgata aggaagaaan tatgaaagga nccaaagcan 480
 tttggcggca tgaaggccgc actataaaan aactgctcgg cctctatgct ccacttacca 540
 ccnggcacaa catctnttct acannaaaag aacctctctg agaa 584

<210> 1068
 <211> 536
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(536)
 <223> n = A,T,C or G

<400> 1068
 gctgcggcga ctgccagagc gcccgttgct ttcttctaca atgttgccaa cggctttcac 60
 aacgcacat caaacgtctt tgatgttgat gttcgccgcc gagacnaaat aacagggctg 120
 gggagcggcg tcaaaaccgc aggggaaggaa ttctgttatg ggatctggga tgcctttagt 180
 ggcatagtcg tcaaaccata tgaagacaca aagaatatgg gcgccaaggg tcttggaana 240
 agcctgttga naagcgcctt ggtataatan gcaatttggg ctctgcatgt ttcgggctcc 300
 cangatatac cttgaaaggg ctaganaaag aattgatgaa acgttatatg acaagcctaa 360
 agcaganata ttattaatcc nacttccgcc aggtntanaa gaatggaaga aagctgccga 420
 aantnaaaag gaagaaatat ccggaagtgg aaaatattaa tattataata agtcttataa 480
 gtntaattta nctagtgtct tctatcttaa aaatttatat aatttagatt atagtn 536

<210> 1069
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 1069
 cgcattgata caaactcaac gttgcccctc attgcagaac aaagaaaaat ggcagctccc 60
 ggcaagactt ttattgtcga gcatctcgac cctgaactag gcccttggtc agagcttgag 120
 tatctcgcca ttgctcgtga gactcaggat accaacggct cttttatcct ttccagtttg 180
 cctcctactt tcaaggttcc agcagacctc gccagcaacc ctgccttcac tgccgagcag 240
 cgtggcggtt aggagcttta tgctgccaac aagtccaagg tttgectgct tgatccatct 300
 gccgctaagg acctttctcc tgaagatggg gacacctttg atgccttttt gtttggtgga 360
 atcctcggcg atgatcccc acgagaccgt acttcagagc tccnaaagaa gggctttgag 420
 ggtcgcagac tttggcccca agcaaatgac gacagatctg ctgttcgagt taccctgtat 480
 cggtgttcaa agacaaaagg gcctgttgac caggtcctct actggacttt ncccagctc 540
 aaagttnaat ggagcccgan agcacccgag atg 573

<210> 1070
 <211> 547
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 1070
 ctcttctctc ttctacgaca tgagaacaag aagactgctg tcaactacct gttcaacctt 60
 agctctgact ttaccaagtc catcaaggcc aaggaggagc tcatcgtcca gtgtggacct 120
 cgccgcatgg tgatcaagcc cctatactct cagcctggac agacaccaa c gatgtccac 180
 aagtactgcc gattcatcca ccctggacaa tcagccattg cgactttcat gggctctcta 240
 acatgggggtg ccgtgcctgt gctnttcttc aagcgaacca ccgccgagga tgtcnagagg 300
 aacgaggagg aagatggcct cacattggca tgtctctcat nggacaggaa ccgncatcca 360
 ccctcaacat cttgcgtcat cncaaagcgc atnattctta ccggcaccctc tacatntaac 420
 aagagaattg cncntccga tacntgtttt cacaaaaaaa actcgagtgg ttcaaggcct 480
 tgcccctggg accagcgaga cncatnggtt attaagagcc tttggtccaa tggttctnaa 540
 ggttctt 547

<210> 1071
 <211> 441
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(441)
 <223> n = A,T,C or G

<400> 1071						
cggtgtcact	cccaaggatc	agcttcagcc	tctgattgat	gatgctcttg	atgagattga	60
gttcattcga	ggtcctgtca	cttctaagtg	gggtaagaag	cgtgctgagc	ttggccaccc	120
caagcccttc	aagctttcct	acgtcgagat	tggaaacgag	gactggcttg	ctgggtaccc	180
aaccggctgg	aacagctaca	aggagtaccg	attccccatg	ttcctcgagg	ctatcaataa	240
ggctcacccc	gacctgactg	tgatctcctc	tgggtgcctct	atcgaccctg	ttggtaacaa	300
gaacgctggg	tttgacatcc	ncgnaccggg	aatcggtgac	taccaccctt	accgtgagcc	360
tgatgctctc	gtngaggagt	ttgatctctt	tgacaccacc	aagtccgnca	cattatcgtg	420
aagttgnntt	tnttacccca	c				441

<210> 1072
 <211> 552
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

<400> 1072						
caagaaccac	gacctggtcc	gtctccgcca	cgttggtact	gacaagatcc	tgctctctca	60
cgatgttgcc	tctccttact	accccaccaa	ccaggaattc	acagctgtca	cacccgaaga	120
agctctcggc	aagcgcgaga	aggaaactct	gtttgaggtc	gctcgagcac	ggnaagaaga	180
accaaaactt	caagtcgggt	ggcngncact	ttaagcttat	cacaaccaag	caaggncggt	240
nttgnggact	acaccaagcc	tttgcttgag	tgggggttaca	agcagcagga	gataacggta	300
caagcanatg	ngcccagttc	cacggggggg	ttcgttgnng	nattggtttg	tttctggcga	360
taaccttntc	gccaaagccg	acccaaggnn	aagttttttc	ctttttcaaa	anggtnaggt	420
taagggtttt	tttttaccaa	naagaggtta	acaggngccc	ccttttgccag	cttttttaan	480
gggctttttt	gtccggggnn	aagtttttga	ntaaaaggaa	accnccaaaa	attttttttg	540
gaacnntttg	gg					552

<210> 1073
 <211> 578
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 1073						
gatcttgtca	tcatcgccaa	cgacattttc	gattttttcca	aatattgctc	ttttgaggcc	60
aatacctttt	ctctcttgga	ctctctatca	aacgatataa	caatacttca	taactattaa	120
caatggggtg	gttttgggca	gacnaagctc	ccgctgttgc	ggttcctgct	ggtcacccag	180
cgactaccaa	caaggctcct	ccaccgggtt	gtcctatgca	ccaaaagtcg	gccgacgctt	240
tgaatcctac	tgccaaaccc	aagcctgccc	agatcccgtc	tacttcaaga	tgccctgtcc	300
ctcacagtgc	ccgaaacgaa	gagcagccca	agtctctgat	ctcccanctc	aaccctctca	360
actacatgtt	ccccgatctc	tcccanaacc	tgcgccctaac	caagaattcg	ctttgccgac	420

tagccgaaat	gaatcaacca	ttcccaaggg	ctctggtgat	ngcaactggg	aataccttca	480
cctcaccaat	gtcaatgccc	cctgcncaag	gttacctgat	accnatatta	tgccntccaa	540
ggcatggttc	gggccaactt	cctgaatgaa	ggccctgg			578

<210> 1074
 <211> 603
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = A,T,C or G

<400> 1074						
aaaccattaa	tttagacccc	atctcttctg	gatctttggt	ttccatcaac	gtttactatc	60
tattccttcc	tttcttgtct	ccatttcgcg	ctctctaaga	atcctgctgt	gattctcttg	120
tcaaattctcc	ttcctcgggt	ttaattcttc	aacaatgtct	tctcctcgtc	cttctctccc	180
cgtcaacggc	ggcgctgctg	ccagcggtgc	caacatcggc	cgaccctcat	ctcctgctat	240
ccttggtggt	ccccgtactg	ccatccgacg	acgcgctgcc	gccgaccaga	aggagaagat	300
tgccaatgct	cgaccaagca	gcactcgcgc	cgctggcgcc	ggtgggtcca	gcagcaccat	360
gctgcgactt	tacaccgatg	agtcgcccgg	tcttaaggtc	gaccccgctc	ttgtccttgt	420
tctgtctctt	gtctttatct	tcagcgttgt	tgtctttcac	attatcgcca	agattaccgg	480
aaantctcca	gctaaaangc	tgcgaaaact	catcaaattt	cacgacaaac	tcgaagaaaa	540
agggagatga	tgatatcttg	gggacctgct	atttcttgtt	ataaccatga	atgatgggta	600
ggc						603

<210> 1075
 <211> 570
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

<400> 1075						
gcgccgactt	ggtcgcctgc	atgaggcctc	agcctcctat	catcagtgtc	gtccgcccag	60
acactttggc	caaggcatac	tcggagacca	actacacatt	cctgttcgcc	cctgtgttcc	120
acaccggcat	gcgctacgtt	gcacctatcc	gtaagcagct	cccttgaggg	acagtcttca	180
acaacctggg	ccccttggcc	aacctgtctg	angacttctc	gaagctcgtg	tcattgggtg	240
cggcagacga	natctcggcc	ctgcttttgc	tgaagcgcta	tgcatggccg	gtttcaagaa	300
agctctcatc	atttgtggtg	aagaagatct	cgacgaagtc	agctgtgctg	gaaacacctg	360
tgctggaang	tcaatgagac	aattctggaa	actcgagggt	gaacattcac	cgtgcaccca	420
ncacttggtc	tgacactcat	cccctcaacc	anctcctctg	gcaagganct	tctgaaacgc	480
anaaatctgt	ccngatcctc	cacaaccccg	ataatgatcc	atctcnattt	gtcttctcac	540
atgccgtctc	ctgtccatct	gtttctcaag				570

<210> 1076
 <211> 630
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 1076

tcgaatcccg	gaacgatcaa	gccgctgtgc	ttagatctaa	atgatctcga	gagcgtcacg	60
aacgctgccg	aaacgtttgc	tcagcaggaa	agtcaacttg	atgtgctctg	gaacaatgca	120
ggtactggag	gtaccgcagt	cgagattggg	gcgaaaacga	aacaaggtct	cgagccaatg	180
gtgggcatgc	attgcgtcgc	agccttgctc	ttcactcaac	tgtcatccc	tcatttacgc	240
gctgctgctg	cgtcttcggg	aagaaagtcg	tctcgggtcg	tttggacgtc	tggctttctt	300
gcggaagcag	tgacaccaac	aaatggcatc	gacttcgatt	ttctcaagga	aggtagttct	360
gaccgagtgc	agaactacgg	tgtttcaaaa	atggggaact	ggatgctgag	tcgcgaaatg	420
acaaaccgct	atgctgaaga	tggtatcatt	agcatcactc	agaatccagg	aaatctcaan	480
ggcggggcat	acgctggtag	accagctgtt	gccatgttct	tgatgaaagc	tttcctccat	540
gatccgaagt	ttggagctta	cactgagctg	tactctggnc	tatcaaccga	tatcaccanc	600
gagaataatg	ggtgttacgt	cattccttng				630

<210> 1077

<211> 573

<212> DNA

<213> Fusarium venenatum

<400> 1077

gctcagaaca	attttctgca	gcattgttct	gatcttgaca	caagatcgtc	gggctcgatt	60
cttcatgcgc	tgaatcgctt	gcagcctcta	ttcggctatt	gcttctctat	cgtaccgtcg	120
attaacagtt	cctgttcaag	cttcgaatcg	aaacgagttg	tagcgagacg	tggtcgggct	180
atttgttcaa	aatgacgtca	tctgcttcta	cagctactcc	tctcagacct	caacacgact	240
ttgaacttcg	tgttgaagag	gtcaaggccc	ccaaaagtga	tatcaatgca	ttgattctgg	300
actatctcac	catggaggga	tatccaaaacg	ccgcagccaa	tttttccaaa	gaggccaatc	360
tgatccctca	ccaggagact	ccctccatca	ttgccaggca	ggaaatacaa	aattgtatcc	420
atagcggcaa	cattcaaaca	gctattgaaa	cattaaatga	tttcgatcca	gagatttttag	480
atgaagacaa	ggcactgcat	ttttctctgc	tacgacttca	acttgtcgaa	ctcattcgtta	540
cctggtaaca	cacctgggag	gcgatattag	gcc			573

<210> 1078

<211> 823

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(823)

<223> n = A,T,C or G

<400> 1078

agtgttcatg	ccgnggcgcc	aacgctgatc	ccagcgactg	gagtgcgaa	tacaaaaagt	60
tcctcaagat	gtttgccgag	gcgcagatgc	acagtttcga	gaagggctgg	ggatgggtgg	120
actggacatg	gaagacggag	gacaaccacc	agtggagtta	cgaatctggg	ctcaagtctg	180
gtgttttgcc	tgagaagcct	tgggatcgng	attttaactg	cgataaagat	gttcncgact	240
ttgaaaagat	gggattgccc	gagtatctct	gaaaatacac	aagggtttgt	gctgcatata	300
ttataggttc	tgggtatgaa	aggtttggtt	nggcgtttng	ggtatgcatg	ggattgggtat	360
atagagcaag	tatgtttggg	ccantatgtc	naggctttgg	agagacgacc	cgttggaatg	420
tncttataat	caaangtnca	gtacattgct	acatgttaga	tagatagtta	ataagaacan	480
anagaaatag	ttgcccaaga	agaaggcggc	caagaaggag	ggtgacgaag	agtaagggtat	540
acgacattaa	aatatgtggt	gaagagggtc	ggaaagacca	aggatccgag	gactgggtgaa	600
accagaaacg	cgagtcaagg	agaatgcata	tcggcagttt	gggccaacga	ctttaccacc	660
attggatggg	ccatatacat	gaaggaaaat	atcttcatag	gaaaactgtt	ggaaggctga	720
aagggacgac	tggaaatgcc	aaacccgaca	tcggccgttt	tgatcaggtg	atgtagagag	780
accagaaaaga	tatatataaa	tctcacacag	cctgatactg	atc		823

<210> 1079

<211> 467

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 1079
 ngggcanttg ttgatgacac atccaagttt tcctccaagg acgccagtgc tagccccaag 60
 acattgatgc gaaagtcaaa catgaatctt cgaacagtgg ctatccttcc tgtcacggct 120
 ggcgtagctg ttgttgagtt tggaaatcgt ctcataacgc cactcgtca agttggccca 180
 gcaaatggtg ccacttccct caaccaggct gttattctca accatcttgg caagcatgcc 240
 ttcaacaaga tgggaaagct caggctctct caatatcttg ctgacttgga agaaaaatac 300
 cgcttggtgt ttatgttgca natccaatgt caactcccat ggacgcaact tgtntcacgc 360
 aagcagatag cattctnttg gnggcctcgc anaangatcc cgcaatggng agtccagcgc 420
 ttatgcttgg atgaatctcg gntaaaaggt ctggttttgc tctgcct 467

<210> 1080
 <211> 496
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(496)
 <223> n = A,T,C or G

<400> 1080
 caaaacacag ccattctcaac aagcaaagcc ttgcttgtcc catacgaggc tcaccatgtg 60
 cggcaatacc acgcatggat gcaagatcca gacatccaag atgctaccgc ttccgaaccg 120
 atgacttttg aggaggagta tganaaccag cagtcattgg gcacatnacc cgacaagctc 180
 acgtttatcg ttngcggggc cgtcacacaa nacacatcac tcgngaagtc cancacagnt 240
 gatgctgacg ctctcatgcg tggagacatc aacttcttcc tctacccgtt tgaaagcgat 300
 gatgaggatg atctacagat actcaaggct gggctactgg cgaagtccgc tcatgatcgc 360
 ttcaccttcc atcgcgggca aggttttgga caagcggagt gtgccccctt ttgtttntt 420
 ccaaaacata tcgatgggat ccttgcaant atgaggcnaa agactcaggg tttgtggnaa 480
 ancaaaggag gaaaaa 496

<210> 1081
 <211> 649
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 1081
 cgcgagcatt atcgtctggt tctttccttc aaatcccaag ttatgaagca ctttcnacaa 60
 gatccccggg gctggtctcg acaggaacgg cgctacctcc aagaggacca agccgctcgc 120
 aatgctcatg gtaaacgttt cccaaagatc atgcctgcca aaacctnaaa gtcacctcga 180
 caacgcggcg atcgggtcca gaagcccaaa tccacccgcg ggccgatccg taccaccct 240
 cccgcgggcc ccagcccttg cgccggcacc gtgcgaccag ctgctcgtgt tagtgccact 300
 cctgagccgt ctgctcgtgt cgttcctccc aaccgtgagg ataaggactt tgctcgtcgt 360
 ganaattact gccgcctctt tgattcattg ccaaacaaac ccaacagtct canggtggag 420
 tggaaggggc agccactcga tctcagcaac gatccaaaca agatacacct tcatcccgat 480
 gaagtgtccc tancaagcan cctgcgcctg gatgctgcca cctacttgac tagcaagaga 540
 cgtntnttta tgtcacgacg tgactgctac cgtcgnaaga aaaatttncg caagacggat 600
 gcttaacagg gttgcaaaat tgacngnaac aaagccttaa aactggggg 649

<210> 1082

<211> 615
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 1082
 cagatccgtg ataaggaagc ggggtgctgtt aagagggtttg gcattgagaa gttccccgct 60
 ctcggttctga tccctgggtga aggcaaggac cctattgtct atgacggtga gatggccaag 120
 aagggcatgg tcaagttcct cactcaagct ggacagccta accctattca cgctactggc 180
 aacaccaaga gcaccaagag caccaaggcc aaaaaggacg acaccaagag cgctaagaag 240
 gacaagtcca ctgaagcggc caaggaacct accgccgaat caaaggagcc tactgccgag 300
 cctgtccctt ccattgttcc tatcgctact atcaagagct tagagaagct caccgaggag 360
 tgcctcgccc cgaagtctca cacctgtgtc ctccctcttca ctccctggcga agctggcgag 420
 aaggctgttg agtcgctctt ccacctnaac accaagtacg ttcacggagg ccgnaacact 480
 tttcccttca tcggcatccc agcgacagcg acgccgggtt cactnttccc aangctcttg 540
 gactcaacga caaggtcaac ctggattgnt atcaacancg gncgtaactt ggtggggnc 600
 gtacgaaagg ggact 615

<210> 1083
 <211> 580
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n = A,T,C or G

<400> 1083
 ctccggcaatg gtgctctcct gacacccgtc cttcgctccc ctccctacagc ctacatctac 60
 aaccccaagg agcagaacaa gaccatcgaa actgatgagc tctttgtgc tggccgacaa 120
 ctcaacctcg tcaactgtctt ccaggctcgc aactctgcgc gtgttactgt cattggcgcc 180
 gctgagatgc tccaggataa ggcttttgac acaaagggtg ctcgaaaggg tggcaagcct 240
 cagttccctg ctaaccgtga gtttgtcacc aacttgggtg cttggacttt ccaggagctt 300
 ggtgttttgc gagtgaactc gattgagcac cgcctcgacg gcagcaacga gaccaaccct 360
 gagatgtacc gcgttaagaa cgatgtttct tacaacatct ccatgtccga gtacgcctgg 420
 aacaactggc aaccctatca cgcccccgaa ngcgacgttg tccagctgga attctccatg 480
 ctgtctccct tctaccgctt ctcatgtgaag cccattcacg tcaacgaaca tganaacatc 540
 tactctacca acttcaccct gctgatcag cacnngcatc 580

<210> 1084
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 1084
 ngattgggtca tgttgggtctt cgcattggaag aattcaagggt tatctacact gccattcgca 60
 aacaaaattg gcatatccct atcgccatct ttggtggcca tgcgcatgtt cgcgacactg 120
 tccagtatga ctcaaagtct ttggctatag ccagtggctg ctatttcgag actatcgggt 180
 ggatgtcaat cgatgggtatt cagaaagaca ttcanaaaag cagcgccaaa gaagtcgagg 240
 cggctgcttc tgctaccttt actcgccggt acatcgacaa caacctctac ggctgcact 300

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atcacactgg tctcaacgaa acgacattcc ccactgagca tggaaagaga gtcagcaaga 360
tgatcactcg cgcccgcaag gccctccaac ttgactacaa gtttggctgt gctccgaana 420
cgttgtggat gcatcgagcc aagcacactg acgangacag tatttaccat tggatctcga 480
atcacgtctt gcccgatgtc atcccccgaa aagaccgcaa agacaagtcg aggntggctn 540
tcttcaacac tggnggnatt ccgatttgac atttttcaan gggnggtttt acacaaaaac 600
agcacttatg ctgggtgccc ttt 623

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<210> 1085
<211> 1005
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(1005)
<223> n = A,T,C or G

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<400> 1085
ctcttgcgag agcccaagaa atcgaggcca gagtcaagga tgacaagggg gatgcggagg 60
atgccagaag ggcaagggtg ttccaagaaa ttcgaaaaga tgcctcacac aacacatggc 120
aggatctccg gatttttcgac gtogaagggc ctttgaccca gagtctcgtc gacgtgctga 180
gtgcttatgc catgtacagg agtgatattg gttatgttcg gggttgcaat acaattgctg 240
ccctgctgct cctcaaccta cccgatgtcc cgctccgatt cgctcgactc gccaatgtgc 300
ttaaccgccc attacctctg tctttttata ctggcgaccc aggcgcacaa gcttccgctt 360
tcaaccttgt catgcagacg ctgtctctca agtcggcgcc tctgcacgcg cacctacca 420
aaaagatccc aactgccgaa cttgagcaat ccttgctcggg aatcctgaca gccatattca 480
cacagcatct ggccattgac gaaacaaccc ggctatgggg acgtgtacgt ctttgaaggc 540
gatgctctct tgattcgagc taccgtagcg cttctnctca gccgagagat gacgctactn 600
ggcgccaaaa cggctgatag aagtcaagac aatccttaac gaaagaaatg ccaaggcttc 660
tgccgccaga gttgctggcg aagtgggtgc cgaggacaaa tttatgatgt cagtccgtga 720
ggcaggaaaa gcttagcgcg attagcaacg ggctaccatt ttggaaaggc tcttggtctt 780
ggggcttgct tggatctaaa gccgtaaata tgggtattaga tggggaacat attggctcca 840
ttttcatggc gtttattaca cggacttcgg atcttgata agatgcggag ggaatgttta 900
tgaagtattt ggagaggnta tagagccggt gtttttatct tcgtaattgc agttgaccat 960
aatttgagaa acgagatttt gaatcaatat attttgatga tcccc 1005

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<210> 1086
<211> 414
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

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<400> 1086
atttaagggt ttttttttga gttcatttca tttaactctc agggagcccg acttttttat 60
tgaatctgta gccacctaag aaaatccata gccgcgttcc cagacccgat gaacgcaaaa 120
tgcaattctg aaataagccg gaacacgcca aagccaaccn ttccagacgt gatacacctt 180
tgcacctttt atcggttgct cttggccaca cgctccaact catccttctt cttgatagcg 240
taagagttgc tagaaccctt agcagngttg ataagctcct cacaaggnac tcagcaatgg 300
acttgacatt gcggaaagag gcctcgcggg naccagtggg gaggagagag cccgttacnt 360
acgatgttag ccgacagctg aaggccatng acgctttcga ggctgaagcc ggaa 414

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<210> 1087
<211> 655
<212> DNA
<213> Fusarium venenatum

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<220>
 <221> misc_feature
 <222> (1)...(655)
 <223> n = A,T,C or G

<400> 1087
 gcggaggata ttcttgctca gccaaagccc aagaagagca agaagagaaa ggcggttgca 60
 ccagatgacg aattactcga tactgagctt ggtctcaaca cgctcttcac caagatggac 120
 aaccaactct tggtgatca tctggttcaa aagttgacct gtttcggagg cgatttgagt 180
 gctgtcgaaa tttcagacat gactgtctca gccaacgcca ttcaggacac gaccacatgg 240
 caagaaccaa gaaccttgga caaattccct aatttcctgg agagcgtcac agagaaccct 300
 gaactcttgt acaagtcagc caagaagaag ggttcgcctc atactctcat tgttgcgagg 360
 gcgggattga gagctgcgga tatcgtaga tccatgcgca aattccagaa caaggacaac 420
 gcaatcgcgga aactgttcgc caagcacatg aaggttgaag agcaagttca attcctcgaa 480
 aaagcacaaag acangtattt tgtgtcggcc acctgcccgt taatggatct tatggataac 540
 ggnngcgtct tctcogatng gctgaaacgc ctggtccgtg gacgctttcc acattganca 600
 aaaanaagcg tggcgttttg ggcatagaag gcactnttga tgnccnttgg ctcgt 655

<210> 1088
 <211> 814
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(814)
 <223> n = A,T,C or G

<400> 1088
 cgtgcctctt gtgaccaagg cacctccagc acgcagaagc acacccaacg ttcagcctat 60
 cacttctcct ttccctggcc agccaggcac aagtgtccc ccacccccta gcggttctcc 120
 ttacgggcaa cgaactggag cgactccgcc ccctcctcct cccaagggat ccgcgcccc 180
 tcgagttcaa tctccctggg cagctcctcc ccagaacttc caggctcctc caccagctgc 240
 cagtggccac aacccttacg caccctctcc tccgctgct ggcgcaatcc cttcgccaat 300
 gccaaacgct ctcccacgga ctgctgcgca gtacaatgct cctcctgcca cggcacctcc 360
 ctccaaccga tatgtcccca ctctgcagc ccagccacag caacagtata gccaaccccc 420
 aggatccatg ccacctcctg gagccgccag ccgtcctccc ccagctgggt cgttcaagcg 480
 ccccgctcct agcagttcaa ctccnnggca agtatgtag ctcgccatac ggtggctcct 540
 cctaaccaga catccgcacc accaactggg gccacctcct atgaatcggc ctgggcctcc 600
 tggaggacct gctggtactg nttctnccag gccaaactcct ctncncccc gtcctcagcg 660
 ccttccaagg ccaggcatnc tgccggtgac cgatcacata tcccccaac gctcaacgct 720
 tggtagacat ctgaacaaga tatgcagcgn gttgntttca aagcttctgc gacatttgcg 780
 cctcagggtta aagatacaca agaagcgant ttgg 814

<210> 1089
 <211> 619
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 1089
 gctcaatccc cacttnccat tccagccgta aaaccactg gctctcagtt acctgaccta 60
 ttccattcca ttctgattct gtgcgactga cctactcgag ctttcatcca cattgccccg 120
 gcatttgtag ttcttcaact tttaacccaa ccaagtcaaa ccgaaaaatt gccaccatgt 180
 cgtcggagaa caaggaagtc gattacactc tggncaacn agataccctn accaagtaca 240
 agaccgncgc tcagatctct ganaaggtcc ttgntgaggt ttccaagctc gtcgttctctg 300

ggctaagatt	gtcgatatct	gccagcaggg	agacaagctc	ctcgaggaag	agatctccaa	360
ggtctaccga	ggaaagaaga	tcaataaggg	ttttttccac	cccaccaccg	notcccttcg	420
ttctacgtac	cccctacact	tccttcactt	cgacgaggnt	gaggggcagc	accgaaatca	480
aaagatgggg	aggntatcaa	gatccagctt	ggtgcacaaa	tcgacgggtt	cgggttcatt	540
gttggggaca	ccgtcatcgt	cccccggaag	acaagggcgg	ngagaagata	ctggggccgna	600
ctggcgattt	ggtccttgc					619

<210> 1090
 <211> 638
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(638)
 <223> n = A,T,C or G

<400> 1090						
cttaaacaca	actcgcctct	tattacgcaa	tactcgtttc	tgaatgactt	gacattataa	60
tgagcgaaaa	caacgctctc	atagtaggca	tctcaggatg	ttcttcaagc	gggaaaacca	120
ctcttgcgag	actactgnng	gacattttcc	ccaacacttt	tatcctgcat	gaagatgact	180
tttatanacc	cgagaatgaa	ttgcctacaa	agaatgggtc	tttagactgg	gattgtgccg	240
agtctctcga	tatccctgcc	atggctgaat	ccctcgctta	tatccgcaa	cacgctgcct	300
ttcctcctag	tcttgattct	aaggaggata	anaactctgt	gggaaagtgt	cctgtcccag	360
atgctataat	tgaagcccag	cgcgcaaag	tagacgctgn	tntaggacca	naccaccgc	420
tccgnaataa	ccttcgtntg	tgtctcctgg	acggatttnt	tnttttttca	ccctncatgg	480
ccgntgnaaa	gcctaattta	aacatcaaac	tntttttgag	aacgacgtnt	gcaaaagccc	540
aaagcganaa	aaaaggctag	aatgggatat	gtccctcttg	gaaggatttt	gggcnggatc	600
ctccgggnta	cgtggaanaa	ancggtttgg	ncccattn			638

<210> 1091
 <211> 600
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

<400> 1091						
gcgaactcaa	ccttcactta	ttagcctctc	ccaacatcac	tacgccagtc	atgaagggtta	60
ttctcgcaat	caacgccggc	tccagttcgg	ncaanatact	ggtataatact	gcagataaga	120
atgcagagcc	tcaccaaata	gccgaagcat	cagttggcgg	tctaactgca	ccgccagcaa	180
ctcttgcgta	ttcccggtgg	aatgaaaaag	tgctcaaggc	gaaggagggt	tctgaaagcg	240
tcaanaccca	gggtgacgct	tttgacctca	ttctaaagac	cttcatcgat	gatagtgagt	300
tgaagagat	ctcttcaaag	ggagacatcg	ccatcgctag	tcatcgatc	gttcatggcg	360
gcgactacga	ccgatctcaa	gtcatcactc	aagataactta	tcatcatctt	gaanaactca	420
gtgatttggc	accgctccac	aatggcggtg	ccttgagtat	cgncgatact	tgcatcagcg	480
ctctgcccag	cacggtcaac	gtcgctgct	tcgactcaca	attccaccaa	actctacctc	540
cacatattta	tacatatcct	attgaccccc	aaattgcaaa	agancaccgc	tgcgaaagtt	600

<210> 1092
 <211> 585
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(585)

<223> n = A,T,C or G

<400> 1092

gtggatatcg	ccaattaaat	cacaatgaga	cggcagatca	tcgcatcggc	ttctctcgca	60
gcgctagtca	gtgggtgctga	tgtcgacaac	tcgaagcttg	acccgctaca	gttcaagaaa	120
gatggtagct	ttcagattgc	catcttttct	gacatgcatt	tcggacaata	tgaatcttcg	180
acaggccctg	aacaggaccg	caattcaatc	gaggtgctca	acaaagtgtc	tgactacgac	240
acgccagatc	tggtagtcct	caatggcgat	ctcatcaâcg	gtgactcaac	atggaaacac	300
aacagcacac	actatatcga	catgattgtt	gagcctatga	tcaaccgcag	tctcacttgg	360
gcgtctactt	atggtaacca	tgaccataac	tacaacatca	atgggtgatga	tattcttgta	420
cgcgagcaaa	tgtggccagg	ggcacgcact	cagaaaatgg	tcaacgagac	aaatcaggca	480
ccaccaatta	ttaccttcca	gtctatccct	ctgactgctc	cgatacatcc	gaatgtancc	540
tcagcttata	ctgtggttct	tcgatagccg	tggcggaac	tatta		585

<210> 1093

<211> 586

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 1093

cacgcgtgtc	gacagcagcc	aagagatcaa	gaagctcgtc	cccaaattca	caggtcctct	60
cacgggcttc	aaaggctatc	acaacaagct	tgcgggttat	ggccactctg	ctaagtcttt	120
gagagctggt	tatgagcagt	gtgttaagct	tgggtgtcaag	ttccatctgg	gcaagaatga	180
cgggtgaagtt	gactctttgt	tgtatgcgtc	aagtcgcgag	ggtacaaagt	gtatcggcgc	240
tcggactcgt	ggangaagca	ttcacactgc	tgatacgact	atcgtcgctc	tgggtgctga	300
tgctgccaac	ctccttcctc	gagtcgggaa	gcaaatgaca	ggtcnggcct	gggggtgtcg	360
cacacatcca	acttacagac	gaagaagcag	ctcacctcaa	gggaatcccc	gtcacaaacg	420
tgcgagattt	ggcatttttc	tttgagcctg	atctggaaga	ccaagaaact	caagttctgc	480
catatgggaa	gtgcttttta	caaactactc	tttcaccaa	agatggctct	cacttcctct	540
ccccnaaatt	gtctgattcn	caattcatgc	ccctcgaana	caaaaa		586

<210> 1094

<211> 618

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(618)

<223> n = A,T,C or G

<400> 1094

atccgatact	ttctcgaaat	ggtagatcag	aaacaccgct	atggaagcaa	tctatgcaga	60
tatcatgaag	tctggaagca	aacagatacc	aacgagaatt	acttttactg	gctcgactac	120
ggcgaaggct	gcaatattga	gattgacggc	tgtccgagag	acagactcga	aagagagcaa	180
gttcgatatc	tttctcgtga	ggagcgccaa	tactacttag	tcgaagtcga	caatgaagga	240
agactatgct	gggcaaagaa	cggccagcgc	attgatacta	cagagcagtt	caaggatagt	300
atgcaaggcg	tggtagcttt	ggatgatccc	acaccagcct	tcaatgctgc	tgctcgggtca	360
acagattcga	attccccacga	ttatgctagt	agctcaagtt	cgggaatcttc	actcgagtct	420
gaacgagaag	cagaccgggc	ggctaagtat	gcaactcctg	gttacgacaa	caagcagggt	480
atgcacaagg	tatcacagat	ttcagcatcc	acgatattca	acaaaatgat	gcgcaagtcc	540
gttagaaaaa	acacttgga	attggcgccg	atacaaactt	tcggatgnat	ggtgggtatc	600
aaaggactcg	ggcgcaatt					618

<210> 1095

<211> 566
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

<400> 1095
 tttttttttt tgatcaatca agctctgttt catttcattg acccagtcgc aaagcccagc 60
 atacgcaccc tatatacata acctcccctc tactttttaca attgcctcat tcgtcagctg 120
 ctttggttag gtccgggtcaa agtaagtcca ctggccaggg acaggcttct catcgaggtc 180
 ctcccagacc ttggactttt ccattgtctc aaccagcttg agctcgccct cggcaacctg 240
 gataacctcc tcgataagac cagctccgat cttctgtctg agctcatgga cttgggtcaag 300
 cggtcacatg aggcacatcc tcccactcga cttctctcatg gtcctcaaga agcttgctgt 360
 ccgccaggta gctgatcatc gctcgtgcc agcaactggg agtcaaggca ccaaccccaa 420
 ngncaaagg accacccgag gtttaaaang aaatggatcn gttttttggg ctgctttacn 480
 ggatgcatc ggaaggggga ttgcgttact tgcggtctgg ccataaatca tgcagtctag 540
 agaataaaaa acgcncctg aacgac 566

<210> 1096
 <211> 1773
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1773)
 <223> n = A,T,C or G

<400> 1096
 ctttccgtcc atctatctct cttttttttt ttgggtagac ttttttccat tatttcctcg 60
 tcactctctt ttgcctcaac ggctttttata tccaaactta actcacactc cttttttgaa 120
 tagactttat aacagtctaa cgtgggtgtga ccgtgctcaa cggtgtaccg aataaaaagt 180
 atcaccacaa atcgatcgat aatcaactca atcagtcaac atgaaggttt catccgctgc 240
 cggtgctgct ggtgcccctc ccattgggctg tgaggccaag aactaccttg gtttcaactc 300
 tgggtgctact ctgcaccaac gagaggctaa gttcaaggcc gacttccagg ccgagttcga 360
 gactgcccag aacctcaaga cctcccccg tgacttcaac gccgtccgtc tctacaccaa 420
 catccaggcc tactccgagg atgaccctat cgaggctttc gaggtgcca tcgacaccaa 480
 gactcagatc ctctcgggtg tctggacctc tggtagctac tctatcgaca aggagatcag 540
 cgccctcaag aaggctgtcg ctaagtacgg ntctgacctg accgacctca tcattggtgt 600
 ttccgtcggg agcgaggatc tttaccgtaa ctctgttacc ggtgtcaaga acaagggtgg 660
 tgtcgggtgc cagcccgatg ctctcgttga cttcatcgac gacttccgct ctgcctttaa 720
 gggtagctcc atcgccaagg ttccctcctg ccacgtcgac acctgggatg tctggggtaa 780
 cgccaccaac aagcccgctc tcgatgccat tgacttcatt ggagtcgat agtacccta 840
 ctacgagaac gacaagggca acagcatcga caatgctgct aagctcttca acaaggcttt 900
 cgatgccacc gtcgcccgtt ctgcccgtta gcccgctctg gtcaccgaga ccggatggcc 960
 ctacaagggt cctgactggg atgaggctgt tcctagcgtg aagaacgctc agaagtactg 1020
 gcaggacggt gggtgcaaga nccctcttca caaggctccc accttctggt acaacctccg 1080
 tgactccaac ccgcacaaca agatgaagtt cgccattacc gagaacctct ccaccacccc 1140
 cctcttcgac ctctcttgcg acaagattga cgatgaggag acctccagct ccgcccagtc 1200
 caagaccaag acctccactg gctcttccaa ggctaccggc gatgctcact ctaccggtac 1260
 cttcgtcact gctactgctt ccgcccacgg tactcggtct gacagcgaag gactccactg 1320
 ctaccggtac tggctctcag tctaagccca cctctggctc tggctccggg tccagctctg 1380
 gtgacnatga ctntgaattt ggcttcttcc gggnttggat tttttggctn tttccagttt 1440
 tggttcttcc ggtnttggat ctttttggct ccggttccgc caccgagtn gggttcttnt 1500
 gggttctgga tctggcaccc aggcgtggctc cagctntnaa actgacgctg ctgccgagac 1560
 ccccagcact gtcaacgggtg ctgctgggtt gacctctct gctgccgcta ttgccttctt 1620
 tgccatgctt gctctgtaaa tgtcctaaat ggccttgggt tgaatgacgc ccattagccc 1680

tgtntttttt acttatttct cgcacccgag atctgtttct tgtaatatatt tatggataga	1740
ttacggatag acaaagtgtg gctatttttt aca	1773

<210> 1097
 <211> 537
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 1097	
ctcgtccctt tttctcttca cgccactcgt ttcctgtcag gcttcattgt gaacttttcg	60
tccatacgcc agaacttttt acaccttaatt ccaggaaata tcaatctata ctattccctg	120
ttgcataatc ccatcggttc cggagaaaac catcaanttt ttttttctta aacaaacacc	180
atccacaaaa tcaatcacag gatcctttcc aattacaaac taggtcataa tgcattccgt	240
taaggttctt tccgccattg cngcactcgg tgtctctgcg gtctccgccg ctacctgcac	300
cagcgacgtc aagggttacc agcccacccc acaatcgact gcacagttgt caagggagan	360
atcatcatcg acatcatctc tatctccagt acttctattg aatctatcga tggcaacttc	420
cagcttgana aactcgaagn tctcagcaac ctcgattctc caccctcnag aaccttacgg	480
ctcagcttca tcaacttctc gtctcggaaa actgaattcg ttacgaaggt ttcctaa	537

<210> 1098
 <211> 621
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 1098	
cgaaaaaggg tggacgtgct tctcaaccaa cgacgatgag tattggcctg tgcacgaat	60
catcaacaaa gacgtcgttt ggtgaattgc actgcactgc gcaaacagca ccagctttgg	120
cttcgatttc cttccctttc tccatcagcc ttccctctng gatcctttnc tttctcccaa	180
aagtctagtc cccgtacaaa acgaaggcct gcgtacctta ctacttactt acttgaactt	240
gntnggctta ncaacctttc gtcgctgtca taatattcgc tgcgcctcag ctcttcgact	300
togtgcagcc ctcgatcctc aaaccttgac aatttcgngc ccatagtcac gaccacaacc	360
cccatcttat cgcagccagg atcttcacag gaagaaatca tggcgctgtg tcaaaacaga	420
ttgcaagagg aaaggaagca gtggcgacaa aaccatcctt tnggtttnta tgccangcct	480
cacgcaccaa aaaangtntt ctcnatgtca aaaactggga atgcggaatc ctggaaagga	540
caaaaccaat tggnctgggg gcttttcaac ngaccatggg tttttctgaa gaatatccca	600
caaagnccnc caaatgcaaa t	621

<210> 1099
 <211> 551
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(551)
 <223> n = A,T,C or G

<400> 1099	
acggaaatca gccatctaca caagcttcgt atcgctccatc gtgaatctta anccgcaaaa	60
cttccttntc accaanggca nggatggtaa nccaaaatng ntggtttcta atttnggact	120

gtttaaaaaa	ctgaagggng	gacaatcatc	ctttggtgca	actacgggtc	ntgcancagg	180
aacttctggt	tggcttgctc	cggaacttct	gctcgatgac	aaccacacaan	agggtgctat	240
gatggaacta	acaccnaagc	ggctcengat	ctgttttggc	anacaacaat	gccatgcccc	300
gacntgctac	ccgagccatc	gacattttct	cgcttggtct	ggttttcttc	tatgttttga	360
ccaatggttc	catccttttg	actgcgggga	tcgctacatg	anaaaaatca	cattcgaaan	420
ggccagtata	attggatctt	ctccactctc	ttggtgattt	ttcccatgaa	gcctcggaac	480
tcacgcgcatc	catgcttgaa	acngacctaa	atgtcnccaa	cagctnaaga	attcttggcc	540
ccccttcttc	t					551

<210> 1100
 <211> 656
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(656)
 <223> n = A,T,C or G

<400> 1100						
tcgaaaatac	cccgctcga	aaccgtaga	gcttcctcct	ttaacatggt	cgccgaaaac	60
tacgatgccg	tcctcaaggg	caaataccca	ggcaaagccc	atgcgaagcg	cgtcgtcgac	120
ctcattcgca	aagacgtccc	cgatgccaac	ggattatttt	acctcgagag	tcagttgact	180
cgcatgatgg	aagatagcga	cgagcccga	cccttcgctc	aacgacgata	cttttactac	240
ctcaccggct	gtaacctccc	cgatagccac	tttatctacg	acatccaatc	ctccaaatcg	300
acccttttca	ttcctcccat	caaccctgac	gacgttatct	ggtcgggtct	cccccttagc	360
atcgacgaag	ccctctcgca	gtacgatgtc	gacgaggtca	agctgaccac	cgaactcaac	420
gctaccctcn	ccacctnggg	ccgnaaaacc	aaaggccttc	gcttttgcta	tcgcgaagca	480
agtctctgac	atgtgtcctt	tatcgaggtt	gggcaacaag	aacttggacg	tcctcaagaa	540
cgccatcgag	gngtcgcgcg	tggcaaagga	cgaatacgan	ggcgctatgc	tgggnaangg	600
ccaactatat	ntttggnatt	gggacaaccg	agctggcttt	ggcnaaggna	aaaggt	656

<210> 1101
 <211> 564
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 1101						
ctcgagaacg	taacagttct	tggtagcat	gtcactgtcg	gagacgagat	ctacgtcaac	60
ggcggcagcg	ttcttctca	taagtctatc	aaggctaacg	tcgacattcc	cgccatcatc	120
atgtaaggaa	cgtttctctt	cacgatttta	cgttctacta	caactctgtt	ggaggacaca	180
ccagcacatt	ttctatctac	attataatct	cacgcacgac	atggatgagg	aaaaaggaaa	240
tcgaacaaaa	ttcaccactc	tcggaaggta	tactggccac	cttttttata	ctaaggcggc	300
ctggcgggaa	agaaattaaa	gagcctgccc	ggctatctat	cttaataactt	ttgtgcagtt	360
gtctcatgcc	cctattatgc	gtgtttatca	ggcgtaagg	tcgatattta	caggaggcag	420
gtaggcgaat	aagccattga	aggacaagac	aagaacatgc	agttaagcag	gcagggttta	480
tggtagcgct	tgaggaagcc	gtgtgcaatg	aatgcttttg	ataccagtta	ttgaattaaa	540
gaangtggtg	caataccatt	tgat				564

<210> 1102
 <211> 638
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(638)
 <223> n = A,T,C or G

<400> 1102
 gggggacagc taccgttgac tacacatata cgactttgtt tttataacaac gacaaaagggtt 60
 tctcctcttc gaaaataagc cgaatcgccc aattgcccga atttggtttg cgcaaaaaca 120
 atcgccatca tgaaattcct ccttcccgtt ctatcggtca gcgctgctgt caatgcgctg 180
 cacttcttca ttgacggcac aactcccaag tgtttctacg aggagcttcc caaggatacg 240
 cttgttgtcg gacactacac tgccgaggag tgggacgaac gagtatcagc ctgggtcaag 300
 cagcagcgaa tcagcatcta catcaacgtc gacgaaatct tcgacaatga ccaccgtgtt 360
 gtctctcagc gcggtctatc ctccggccgt ttcaccttct ccgctgccga tgctggcgac 420
 cacaagatct gcttcaaccc atcatctaac tccggccgta ctcatggctc tctgccaaaga 480
 acccaatggc ggatcaagct canactcgan ctctgtgattg gngagaccaa ccagattgag 540
 ancaacgaca agggcaagat caggatanta cttcccgtgt taangncctc aaacgcccgc 600
 ctggctgata tccgaanaaa acaaggtttc caacgtga 638

<210> 1103
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 1103
 canacatntt atatgatcag gtcgaggagc tgctgcgcaa ggctgancan cgcctgaaag 60
 atggctctgn ttctgntatc acagcaacca ccacctatnc tgctgtantc ccagcctcat 120
 gctggcgacg ctgtgacata tgtcacgcaa naaaagtctt ccaacagctg cancaataaa 180
 gatggctctga ctgttcagan cacctcccca accgctatcg ggactcaaag tcacggaaaa 240
 gtctactgca ggctccgact ggctcgatct tcccaagacg aacatgacct cctgaattca 300
 agcgagagtg gcaagtctc cgaatgcgag gcacccctgga tcctaaacac cagtaagaag 360
 gcccttcgcy cggagcgctc ctgaatactt ccaagttggc caagaatcat tggggggacc 420
 taaccgagtt ctttagcgca agggttgacc gcgcaaggag aggaagcaaa acatccttga 480
 cgaggtcact aggggtattg atactcacia gttcaccgac aagtagctg gcacccaaaa 540
 gcaaaagtca agcggaagaa aggcgtttta caagaacgta gtagcgacac gtcgcaagcg 600
 taattaataa taattttatg cctt 624

<210> 1104
 <211> 527
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(527)
 <223> n = A,T,C or G

<400> 1104
 agggccgaccg cctcaagaag cgagaagctc gcgaggccgc cgaagccgag gacaaggccc 60
 anaanaagca gctggagaat gtcattggcca acattggtga ggatcaggct gaccatctgg 120
 accactttga catgaacgag attgtccgag canaaaaggc tcaacgcaag aagggaagg 180
 caaanaagaa ggctttggaa aagganaccc gtggcggtct tcaggaagac ttcaagatgg 240
 ataccggtga tgaccgtttc aaggctgtgt ttgagagtca cgagtatgcc attgatcctt 300
 cgaatcccaa gttcaaggct acaaagggca tgacgaanct gctcgaggag ggcagaaaga 360
 agagaagann tgtggaagag gaagatgatg cncctaaagt taagaaggcc aagaaggac 420
 gaaggtgagt tgagttgatg taatgtaaaa tttttgttga aaatcgtctt ggagtttaggt 480
 gattaaaagt tggnttttga tancccatth atnaagcatt agttccc 527

<210> 1105
 <211> 511
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(511)
 <223> n = A,T,C or G

<400> 1105
 gaccaagtga aacaacaaga acgctgtgtn acacgaactc agttcgttgg aaactttggc 60
 gaaccagtga aacaccccg c atcgaacaac ctatccagca gctcatgttt agaagcctcn 120
 gtaccgaaac t cgtctctga ataaaaacaa tctgaaacga actccatttt ctattccgga 180
 tcttttcnng taaganaaca gccgtaaaac gcacgggtgt gtctgtcaaa aaagtccatc 240
 aattggttga tcacaccaca ggccgggttc cacagaaacc aaaatccatc ccnccngaa 300
 acaancatgg ggtngtacag gtcaaagtct acnaacttgg tggaaanaaa ctcngtatat 360
 caaatatacc ccgctcttta ccaagactcc accggttctg gggttngtga tctcaaaggt 420
 atcatctctc gagttgacta ccttaaagac ttgggaattg atatcatatg ggtttcaccc 480
 ntcttcaaaa ccnccggtc natntgggg t 511

<210> 1106
 <211> 630
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 1106
 cactgaacc cgattaccct agagacacgc aaccaacacg acacttataa caacatttcc 60
 caacctaagc ccgtnattat ggccggccaac gatcagcaat ccgacatgct ggaagcgctg 120
 caagagattc agcgactca agccctactc gtgaatgctg tcgagtcact ctctggtaga 180
 tcgatcgacg aagctactgg agatcatgcc aaggacaacg ttctcgatat tggttctagn 240
 gaggatgcca atgagggcga aacaccttca gtagagcttc ctattgtctc cggagacaaa 300
 ttgaaagctc ccgaggcccc taccgccgtc cagcgccagc aagggtttcac ttccgcgcac 360
 atcttaacga cttacccaaa gcagattgga attaacctt tgccatgga ctggggtaac 420
 tcacaccctg ttaagcgtgg ccaatcgtag tttcaagggc tgctactact attcgacgtc 480
 gtaatgctgt tggagcccat gggggttctt actcgatcta ctatgcactt gcagtcgcca 540
 gcaaggagtt ggacaggat caccgccccg ntttaccac accgagccng gcggcaanat 600
 tggnccttt ctnaatgggg aaaccaaatt 630

<210> 1107
 <211> 585
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 1107
 gaaattctcg gccgcaggaa atttnttttt tttttttttt tttttttttt tttttttttt 60
 gttngaaatt gttgaattcn cncctcttagc cnccgcccac tctataggcc aggcgtanc 120
 cttattgcn cggacccaaa ttgtataatt acatttctcg atctgggttc ccttcctgta 180
 accactcgct ctaagccatc gtactattgt ttaaaaaaag cgtgtttcca gcttccaggg 240

gttggttcaat	tcgaacccta	aggggtgcctc	tggttgtct	gtttgtcctc	gtananttcc	300
tgtaanacaa	cggtcacgtt	ccatcatttg	tctatcccgc	cgtcnaactg	attgtcagca	360
ttgttgcctc	ccagcgaaac	aaaattgaac	ttgtccaggc	ctcgatgctt	ggcagtatcc	420
tttctaacct	tcttcttgtc	atgggaatgt	gtttcttgtt	tgggcggcct	cattcaccga	480
ggctcgtctg	gcaacggaac	caaacagggt	ttctcctcag	ctactgccan	anaacctgct	540
ctcttatnac	ctgttcttcg	gcctccttgt	cattccaact	gcttt		585

<210> 1108
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 1108						
caagcttcga	gatgcaactc	tacttacaat	aactctcgtt	ggaaacttct	tgccgaagct	60
ttctccttat	tctgagcttg	agtgtcggca	agccagggtcc	ttaacattac	ccctcccggc	120
tcttacgccg	acctaccttg	acagatacat	tatacagtac	tcgtacacat	caacctattc	180
accatgaacg	tacgaccacc	catcgatgtt	tcagggtccg	aggctgtctt	gtccgtttct	240
ttcaacaatg	atgcgagttg	tttctctgtc	ggccttgatt	ccggatattg	tgtctttcat	300
accaaatacct	gccttctcaa	agcctcaaga	gatttcaatg	ccggcatcgg	cctcgttcaa	360
atgatgggca	cgactaatta	cctggctcta	gtcggcgggtg	gcagggtccc	caagtttgca	420
atgaacaaag	ctataatatg	ggacgatatg	aaaggcaagg	gtgctctaaa	aatcacgact	480
ctcacagcag	tacgcggtgt	tcaactgggt	agggaaacgta	tcgcccgttgt	cttgcaaaaa	540
caagcgtccg	ggtctactct	tcaactaaaca	tccagatcta	ctttatatat	accaaactgn	600
aaaacaacct	tgcanggcct	gtgctntntg	tcgaa			635

<210> 1109
 <211> 390
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 1109						
acgnngatcc	actactctgc	cagatactca	gacagtgaat	atgagtaccg	tcacgttcag	60
ctcccaaagc	catgctcaag	gccattccca	aagattacca	cgactcttta	aagggaaactc	120
ttaagcttct	tggggggagg	aggaaanggc	gagctttttg	gcattacttn	aaagtctagg	180
atggggacac	taccgaagtt	caacgagcna	gaaccaccat	ttttttttta	agcgcgccgtt	240
caacttccaa	cccctnagna	atcgatagat	cccccacgac	tnanattccc	ccttaaagga	300
ccatacatat	ttatngcccg	gaccacacct	aatggggggt	acactnaacg	ctaaccaagt	360
tcgttatcgt	tcgngatttt	taccccgtgg				390

<210> 1110
 <211> 578
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 1110

caattccaaa	tctataaact	cgccccgagc	caatgcttca	acccttaacg	cctatgatat	60
gcttccatga	tcgtacagat	taaccttagc	agtattaaac	aattgaagtt	ccaatcagtg	120
tccccacaag	ccagccgcta	accgtccctc	ctatcgctat	tcccgtttgg	catactccgt	180
gagttttcat	gtccatcatg	ctgcatcaca	tgcagtagct	accatagccc	tgccagatgg	240
catatgctta	ccacgatcct	acggccccgac	tgcagtagca	acatcctgct	gtgtacccat	300
ccgcaaagcg	tggcattggt	tcacaccacg	gccttatgat	gaaaactgta	tttccagtcc	360
aagcgccgg	aaaggcttgt	caagcttcct	caggtcgatg	ctactacca	agctgaacag	420
gaatgatttg	gcccgcctt	cccacagcac	ccctattcgc	atgttttggg	ccatccgggt	480
tttgagcact	ccagcatatc	tctcctctcc	nggcttttct	ggttcgggtc	cttctttcgg	540
gggcggggant	aggaagcaac	aatggcttta	cagcaact			578

<210> 1111
 <211> 611
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 1111						60
ttgcaacatt	tttttgatac	ttattgcgaa	acctgctata	actactcata	cttttttttt	
tgtgactgag	ctccattgta	tcatatccaa	gcagcatatt	acaagacact	tatcttnatt	120
atgcgcggca	tccaaatcac	cgaatatctc	aagggccctg	atcagcttca	ggtcactgac	180
ctacccgatc	ctaagccctc	ggaggatcaa	tatctcatcc	aagtacacgc	cgcagcagcc	240
aactttttcg	acatttttaca	gatccaagga	aaataaccaga	accagccccc	atttncttgg	300
gttgccggcg	ccgaattcgc	aggcacaagt	tatcgctacg	cctgtcgatg	gctccaagcc	360
caagttccct	gttggatcgc	gtgtcttttg	cgcgtctcag	ggtgcgtttg	cgacccaaat	420
ctgtgctatt	gaggacactc	tgctgcccag	tcctganggc	tggtccttta	angaagctgc	480
tggtctggtt	gcaccgcccc	cacaagttac	ggcncactgg	ttgtganggc	agggatcaaa	540
aaagggcgac	tattttctgg	tccatgctgc	ccgcgggggg	tggttggtctt	gcggttggtta	600
aagggncaan	g					611

<210> 1112
 <211> 340
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(340)
 <223> n = A,T,C or G

<400> 1112						60
ttctgcacag	ctgaagtcac	tgagccgaac	tggaacaagt	tcatgtctcg	tttaaagaca	
aaggatgaga	atgcggattc	aatctcgggg	acttcgacac	ggaccgtaga	tgagcttatg	120
caggaccatg	tgcacttctt	ggatacgtgt	ctcaaggaat	gcagctttac	caatagtaaa	180
ctactaagga	ttcactccaa	actcatgcag	acgtgcacga	tcttcgccgc	tacacnaatn	240
ggctcacacg	tgagctcnaa	aagncanacc	aanacntttt	aggcccaaaa	aaaccctaac	300
natgaagagg	gatnagggga	gccttncnaa	agaaaaaagg			340

<210> 1113
 <211> 706
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(706)

<223> n = A,T,C or G

```
<400> 1113
tttgatcggg attagtctcc tcaagtcccc acttncacca gccaaaggacg caacgggcaca      60
ccccaaacttt atgatcttca agagcctgcc ttccctgttc actaccatcg gcgtcttcct      120
gctcgaattc tcactcttca tccctctcgg atacatctca acgtatgcgc tgcacaaggg      180
cttcggaaaa gatttttcat ataacctcat ccctattctc aacgctgggt caagtcatcg      240
gtcggcttct tccgggttat tatgccgatg tgatcgggtc tttcaacgtc agcatcctcg      300
ccgtcatcct tgcacgtggg catgtttctg cgtatggctt ctctcgggtg aacgacagct      360
ggcggttatca tcttcgccgg ctcttcgggt tctcctctgg tacttctatc gcatcgacc      420
tgtttgcatg gggcggtgtg gcaagaccca ggagtacgga cgatactatg cgacggcgta      480
cacgaatgng tcttttctg gctgattggt attccatcgg tggcagtatt gtccaagcca      540
atgggtggcga agtactgggg actcattatc ttaactggcg ncanttatga nggtctatga      600
nctcgctggt cttgggcaag gtacccttnt tgggctgnac aantggaaag gccgcctttt      660
gactactcaa aagccgacgc atatttacia cgggccctt ccaaaa      706
```

<210> 1114

<211> 556

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(556)

<223> n = A,T,C or G

```
<400> 1114
aatgctttcc agggcttgag gttatgtacc tcttcgcctt tgagacaact tcgtgcccc      60
ctccaacaaa cgtccaagac gctggatgag acccgacgac tccaaaatgt ccgagccttt      120
tcgacnacct caccgatgct gggcagctgg ttggaaccga atctgaaccg aaagaagaan      180
atggccaagg gtcgaccgag tgtcgcaacg ggtggttcta ccaagggtag aacgggtgctg      240
tttggcgaat ggggtctccg aatgacggat caccaccgaa gaatcagcgc aaagcatcta      300
aagatgccga ngacaccatt aaagtgcgac ttcgaggaca aaaataccgg ctatataagc      360
gaaagaactg taacgttggt gtttacntca gcggtaatga tatgcntatg ggtnaaggta      420
agggctcttt gaccattggg ccaccgaatt tctgttacca aattttgttc gaaatccgaa      480
gaaaacttca caaacagggt tnaaggatcc ttccgcctng ctggaaacaa actgcctggc      540
cagtgggaat ttttaa      556
```

<210> 1115

<211> 815

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(815)

<223> n = A,T,C or G

```
<400> 1115
caggataata ctctcgggga tctcccgag aaacgtcagc gttggatcac aattcgacag      60
gacactcact cgcagtccca acttagtata tatacgcgct gaatcggtat tattcacaag      120
cgcaaagaga cagcaccgag ggacctagaa ataaaaagca aaagcaaaaa gcaaaaacaaa      180
ggaatatcga taggtactct tatctgcaaa attacgtctc tacacgtcct cgtcacatat      240
atcgatcatg ctcgacagc tactgcagct gccaaactcaa aaaagagact tccaatccaa      300
caacctcagc ttaggtgtta caatctctc cctccgacct gtcacttcta ccggccccac      360
gctgctaccc cggagctggt cggcatcgtc tctcttcgta aaacttcggg accttcgtca      420
cgagatcata gacatatatt atagcagaaa tgcgccagc tgaggacaag agcgagactg      480
ccggcgaggt cgactttggc gataacatcg acatgctcac ttccagccaa atcctggaga      540
tggacgancc ggatgattct gaattcagtc aatccattgt gttcgggttt ttcgaacagg      600
cagangagac ctttgaacan aattaaggaa gcactggaag aagaggatct cgagaaacta      660
```

tcttctcttg	gcacttctca	agggttcac	ggcgacacta	ggactcgtca	agatcagggg	720
tggatgcgaa	gcatccagc	gataccgcaa	gaatgaaaac	ttggacggnt	cttcgcaatt	780
ggacaacgag	aaatgtgtga	aagctcatgg	cgaat			815

<210> 1116
 <211> 587
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 1116						
aagaccacca	ggctcgtgctc	gaagctctcg	gggaatccaa	attcaattac	cttgggtcttt	60
cttacggtac	ccttctcggg	tatacgtatg	catccctggt	tccaagtct	gtcggccgaa	120
tggctctcga	tgctatcgtg	gaccactcgc	aatccgagat	cggagctctc	ctcgcagagt	180
ctacaggcta	cgaatctact	cttaacgagt	tcttcgattg	gtgtgacaga	aactctacct	240
gtgctcttca	cggcaagaac	tcaagtaatg	tatgggacca	gggtgctctc	cgcgcagact	300
caaagcccat	accagcacca	ggctgcaacg	gcacatgtcg	ctccaatgtg	aacggcgaag	360
agatccgtta	caacgcacaa	agcttcctga	cattccaata	tctcactttc	ggcctaactg	420
gctcgatctt	gcaacctctc	ctccagctag	cagagcaacc	aacagctcta	tccacaccac	480
cctaattccg	gatgtcgana	ccnacggtcg	cgtacaata	tctcccatgg	agtcanaagg	540
ctccatctaa	aatcgtgatt	ancngaactc	tcaccttgac	ttgccac		587

<210> 1117
 <211> 447
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 1117						
gacattggta	gagaggactt	cactcttata	tgcgactgta	gtttgaatgc	tatgttttgg	60
ttcagctctc	agcttcgtgc	cgctacccag	ggcaaggggc	agttcagcat	ggaattcagc	120
cactacgctc	ccgccccccc	tcactctccag	aaagagttgg	tcgccaagca	ccaggctgag	180
attgaggcta	agcgaaccaa	ataaacaagt	cgcaggactt	ggaagagaat	tgctagacac	240
atcagagatg	tgatggccga	ggcgcaatcc	atattgcgcc	aatgtacaat	acaaatgaac	300
gggtctatga	tcttgtaata	taatgtcaca	acgactcctt	acnagggggt	tagagggtcca	360
cgacagatag	atgagtagta	gaatctggat	gagggtgcc	ttgtnataca	aggcgttgga	420
aaagtggaca	aatatagggt	tcantnt				447

<210> 1118
 <211> 672
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(672)
 <223> n = A,T,C or G

<400> 1118						
tctgaatcac	agcactcatc	gtccttgtea	actgctgccc	atttgatggt	tgaagaaatc	60
aaagttgaaa	ggcttcttat	actcaaccga	ggtttttagt	ggtttcagag	agaaaatata	120
gaattcaagc	tatatattca	ttgttttggt	gcactctcct	aaactcccct	ccccgggctc	180

aaccctatgt	tgcgccgtgt	cgtttccatc	atgacatcgt	catccccgaa	acgtttcata	240
ccgttaaaga	agagaaacca	taatcttcca	gccagcactt	ccagccttcg	aggtgtggtc	300
tttgatatgg	atggcacact	ctgtgagcct	caaacttaca	tgttcaagga	aatgagagac	360
atattgggga	tcaacaaaac	aacggacatt	ttggaacaca	tcgaaacact	cccaacatcg	420
gagcagtcag	aagccctgga	atctatccgc	aacattgaac	gaaaagccat	gaagactcaa	480
actcctcagc	aggcctcatg	acccttatgg	cgtatntggc	accaacgcca	tccccaaagc	540
aatctgnact	cgcaactttg	acgntcctgt	ncaaaattga	tggacaagtt	cttgagggct	600
ctcgnttnat	caattgtcac	acgagaatth	cgncacccaa	accgatcctg	gcggnattht	660
gatattggcc	ag					672

<210> 1119
 <211> 592
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 1119						
ggactcttat	gccaccaagg	catcgaatct	caagaaaaca	gccattctgg	catcgaaaga	60
ggccaagcga	tggcaactgc	gaacaaacaa	aggcaccaag	gatcttcaag	ctcgcgcgaa	120
acgtgtcatg	cgtgatatga	tgggcttttg	gaagcccaac	aagcaaaagg	agcaaaactt	180
gccc aaagct	gccccaaagc	aggaaantca	aaaacgctcg	caaaaaaaaa	gccgaccgtg	240
aaagccgctc	gtcaaaaagaa	aaaagcttaa	tttccttata	tctcagaccg	agctatactc	300
ccacttttat	cggcaagaaa	gatcaagacc	gacgaagggtg	gaacgaaagt	ncagacaacc	360
ccgacgtcgc	caaggatgcc	catcatgccc	aaccagaaag	atgcttgaca	ttgacgancc	420
tactggccct	gttatcgcca	aggtcactaa	ctttgaaaaa	cctcgatttc	gaaaaaagta	480
gtgatgaagc	tctccgtgct	gctgccatgg	ccaacgctca	gaacgccatt	gcagaaggcc	540
agaanaaagg	tcgcgacttc	acaaccaagg	nttgacatg	gatgatgaag	gc	592

<210> 1120
 <211> 806
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(806)
 <223> n = A,T,C or G

<400> 1120						
tggcaataga	aacaaaaatc	tgcaacatat	tttattgact	ttatgtgaat	tgtttttgct	60
tctaaaccat	catgattctt	atcagcgggc	tttgtctccg	aaagaccgtc	actagtagcg	120
ggttacacac	cgagcaaaga	aggcgacggc	atcgctctgc	taggagagta	aactctccat	180
taaccaaatc	aagtaatgaa	actacgagtt	tcaattgatc	aaattcaa	aatcaagcgt	240
caacaatatt	aaattcttga	agaactgaac	tcatttgact	ctcaccctac	acttgactac	300
cttatatatc	acgagcgaat	tacccgagct	ttctgcgaca	ccatcgacca	aaacgatctc	360
actcttacac	ttgaagacat	cgtgaattcg	atgcgtcatg	tctcttgag	aacttgcagg	420
cagcccttca	gctttttagt	agtccaaaga	gcacgcttat	ccaccatggc	ttcgctccngg	480
cgttgctata	atgacgcaat	tgatgcgctc	aattccttca	aactcctttt	gatattattg	540
aagctcgag	gaaagctggg	ataaaagccc	aatgctgtat	caatccaaga	gatgaagaca	600
tatcttcac	gnatcngata	tactncatct	gatttgacaa	actcaacatc	gtcatgtggc	660
aggaccaaag	gcaanggagt	ccttgccatt	ggcgactcca	tcttttttaa	tatnagcacg	720
caagaggcca	ccttacaaaa	caggcttntt	atatnccctt	acctaanact	gncccggagc	780
gcacgtata	anttgaaccc	tatnta				806

<210> 1121
 <211> 535

<212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

```
<400> 1121
ctctaagtca tgactcccct gtacaaaaag acccttgtgc tcggtgcctc atcaggcatt      60
ggggaggccc ttgccgcca gctcatcgcc acaggcacca aagtcattgt cgttggcaga      120
cgacgtgaga atttggaatc ttttggtagc aagcatggtc acaaaaatgc caaggcagtt      180
gtctttgacg tcaccaatct gtctgctatc aaagacttcg ccgagtccat catcaaactc      240
gacccagatc ttgattcggt cgttctaaat tcgggcatac aacgaggctt tgacttttgc      300
aaccctgaat ctatggatct gagtgttctt ggcgacgaac ttaccaccaa ttatacatct      360
gccgtttact taactgcagc gtttattcct catctaaaaa aacaggccag gggtcacatn      420
atctacgcag cgctactctt ggnctgattc cttccatggg gcgcacgccc aactataatg      480
cctccaagnc cgcacttnat acctttatnc tcaatgcgcg taacaacttg tcgat          535
```

<210> 1122
 <211> 628
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

```
<400> 1122
gtgataacgc tcgagcacgt gaggtctctac gccagtgtct acccgaacca cttcgcgatg      60
ccaccttttc ctctgttctc cgcgacgatg cagcaacca gagatgcctt gccagctac      120
tcataaacct atcggataat gtcgtacacc ccaatgggtg cggcggttcc agcatgtaaa      180
aaaggcgacg ctaatatctg ggagactcag ttctccttgt tgtgacaata cccttgtgca      240
ttgatacggc gattgatgaa ggacggttga attttattta tgatattctg ggaaaagcga      300
agggatcaaa agcatgttgc atcgtttgat acccgcaacc cttccggctt aatgcgcaga      360
gagaagaccg acattccagc agagcgactg gctgncttnt cttccaacgt cncgcgtgat      420
ggttatgggg cttgcattct gtttcacata tctcgaaact ggatcaaaaag gcttatatcg      480
gtttgccatg gaacaacact gccaacaaaa gggcctctgc tactcttgtt tccgccttgg      540
atctcggccg ntggacccaa accataangg accttnatnt tgngaattgg ctcgcgctga      600
atataactcaa ggaanatcta ngggngga          628
```

<210> 1123
 <211> 612
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

```
<400> 1123
ataggacggt ttttttttgt ttttttaaca tctctcgaac cttactgaaa tctctggtct      60
tatagtaacg atattatcca ttcttttgaa ctcactctc ctcaatcctt ccatcatggc      120
atcctccaga accatgtcac ggacattggc cgctctcact cggcctgtca cggaaacatc      180
atcccgagca gttccacgat ggactcggtc aatggtcact aatcgatctc ggattccttc      240
catatcttct ggattgcgac caattgcgca acgacagcgc atcgtcaaga cagcaacgcc      300
aagcctcgct ggcacgggta gcggcgctcc aaccatcttc atccagacgg agaatacccc      360
gaacccagat gccctcaagt ttctacaaa ccatcgagtt gttcccgaag aattctctac      420
```

gcccttcac	gaataacctca	accctcgagc	aacgatctct	ccccgcac	cctctcctct	480
agccgctaag	ctcatgaata	tcgacggagt	cacttcggtc	ttttatgggtg	ccgacttcat	540
aaccgtcaca	aaagctgccg	acgccaaactg	ggcacatatt	cgccccgaga	tanttgact	600
cattacagaa	ac					612

<210> 1124
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 1124						
gtgctgttga	tatggatgaa	aagaaatcgt	cgctcccgtt	tgtcgggatt	ccgatgcgcc	60
tngactgccc	gcgtaaccgc	tactntatng	ttatccttcc	tcgcattttc	accatcttcc	120
gcatccagcg	atttcagtga	ccggtccac	gataacatta	tattacctcc	tggtccagnc	180
cttccatcan	cccccgaaat	tctgaacct	gcgagacaca	cgttcagtct	ccgtcacata	240
taccatcatg	gtacctatct	ccatcctanc	cttcatngga	agcgggatgt	catccatgac	300
cagacaaggg	tttacctggc	tgcagaagac	nattttgacg	aatatgatat	tcttcgattg	360
aaagccaaga	gtcnccccga	gacaatccaa	cntttatctg	atcgaaggcc	gtcagttgtc	420
naccccatgg	tggtctgagtc	gcgacagcga	ggatacncag	ctgttcttga	tgcatcagcg	480
gggaccatgg	atcaagtttc	atctcctgat	atcaangata	aaggacactg	gtctcaccct	540
atctnttatg	actgccaacg	catacgtna	ncatgatact	gatgcctatt	gggangatgt	600
tggaaaaccn	atggaacccc	agcgcccntt	t			631

<210> 1125
 <211> 689
 <212> DNA
 <213> Fusarium venenatum

<400> 1125						
cccaaagcct	aacaaagtgc	ctaaacaact	ttccaactac	taccaaataca	cacattttcg	60
agtaattcct	cgtcttcaca	accgacaaca	tgcttttcac	cgctagcgac	atctgcaaga	120
tcctccttgc	catcatcctt	cctcccgttg	gtgtcttcct	cgagcgcggg	tgtgggtgccg	180
acttcttcat	caacatcctc	ctcaccattc	tggtttacat	tcccgggtatt	atccacgctc	240
tatacatcat	cctgaagtac	taagccttac	cgacttgac	ttctcagggc	tacagcgcac	300
cccaaattggc	ttaatgagta	ccccgcttcc	caacaaccga	caacaactgg	tcagccatcg	360
gttgtccttg	accaagcgac	attctgtctg	acagccaaga	caccaatgac	tgccgtgtca	420
accgggtacg	cgcattcgcc	cggaagtgtt	gtgtttctgt	ttgcgcaacc	ttggcttcgc	480
tttgatacct	tacgcccgtg	atccgcgctt	acgagtttgg	acgcccattt	tatgacaggc	540
atggacgcga	tcgataacca	gttccttatt	ttctttgggt	tattttgcgga	tggaaggcgca	600
tgctggattg	gctcttaagg	cataatgcat	tggtcttttt	aagtaattaa	ttcgataccc	660
gtcaatccaa	cgtttctctg	acatcttaa				689

<210> 1126
 <211> 474
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 1126						
cacgaaaccc	gtcgtcgga	ttgagtcctt	catcgccctc	ctaaacgccc	aaccttcaac	60
caccgtcttc	gagatcctcg	acacagtcaa	agtcactcc	gatcgctca	aggcctccgt	120

acaggaacag	ccactcaagt	ttacagaagt	catgaataac	ctgcaaactg	tataaccccaa	180
accggttatg	gatgacatct	ctacatcgta	ctgtttcatc	tgtctcctac	atctagccaa	240
cgagaagggg	ttgatgattg	agaatacgcc	tgggtctgtcg	gagctggaga	ttcgcagggg	300
ttggtcggcg	gagattgttg	atggcggaata	gtaagancaa	ttttagactg	cttgggtgtg	360
tctatgtttt	tgggggatgg	tttacttgac	nagtcatgan	acacctgcag	acttcattcg	420
aaaaacatct	agggaangca	tggaanataa	cctgatgata	tcctggccnt	tngggaanaa	480
atccaaaata	ggccacattt	a				501

<210> 1130
 <211> 625
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 1130						
atcaaccttc	acgtatcact	ttcacccgatc	accgcgacga	cttccaaacg	acatcacgac	60
aaactgaact	gaacttcgat	atttagngag	gctcttttag	gagagaccag	ccctgggttca	120
gcaagatata	ctctacgaac	cgaangggca	ggcaagctag	ctagctgtgc	acgtcaccca	180
tattccccga	ttctaccgac	accacataca	caacagccaa	catgagtaac	gacgctattg	240
ccgactttct	ctccgagcag	agagatgaag	ctcctgaaga	gttgcagcct	ctcattctcg	300
acttngagaa	cttntgggaa	cgaaagctct	ggcaccaact	tactgatgcc	ctcgtcgatt	360
tcttcagcca	tcccagagagc	gccccccana	ggctacaatt	ctacagagtc	tttattctca	420
agtncccgga	taaaatcaat	caagttgaag	cttgnnggacc	tacattgaag	gcggcaacag	480
agtgcgatga	ggacgaagag	cccctttctt	ctacaatcgg	tcgccnaaaa	nggtgacaac	540
ganaaatttt	aaaacccttc	cttttttntt	taantggcgg	ggcccaacca	aaagnttaan	600
ttggaggaaa	taanacgggn	cgcng				625

<210> 1131
 <211> 537
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 1131						
catcactcaa	gcgtctatct	aaaccttcac	taccggcttc	ttctttattg	ctctactcaa	60
attcggcacc	tcataatcct	caccccgcaa	aatacaaccc	cagtttcaac	attcgagctt	120
attccaagtt	cagtatgggt	agcactcagg	acatgacccc	gggaaagccg	gtcctattct	180
tcgatattga	caactgcctc	tacccgagaa	gctccaaggt	ccatgacctg	atggctgatc	240
tcattgacga	gtactttctca	aaacatctgg	agcttcttgg	gacgaagcgg	tcaaactaca	300
caaggagtat	tataaccagct	atggcctggc	catagaagga	ctcgtgcgac	accatcagat	360
tgcccgcctc	actatacgcg	aaagtggatg	acgctctgcc	ctcgaangca	tcacaaagcc	420
caatcctgac	tgcgtgagct	ccttaggaca	tcgacaagtc	caggtattcg	gtgnttttac	480
aaacgccttg	taaccatgga	agcngggnc	gctttggctt	caggnatttt	acggcta	537

<210> 1132
 <211> 383
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(383)

<223> n = A,T,C or G

<400> 1132
tttggcaana caaagctcat ggccaaggcc cttgggtcana ctcccagga ggctatcgct 60
cctggaattg aggacotcaa caaatacttg accggcaccg tcggcctgat cttgaccaac 120
cgccccgcn aanaaatcct ctcttacttt gagaacctcg ctccgtgcna ctttgcccgc 180
gccggcgccg tcgccaccgc agactttctt attcccactg gngtcgctac gctactgntg 240
gngaggttcc cgccgancac natgtttctt tggcgcacac catcgaacct gagctggnac 300
gttttggtg tncctacccc gtatgaacaa nggcccantt tttnttggtt accaagggtg 360
gtganggtga agantacact ttt 383

<210> 1133

<211> 448

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(448)

<223> n = A,T,C or G

<400> 1133
atttcaagct ccattcttct tttacattct cctcccgcct gcgccccgt cttgtttggt 60
ttcttctttc atcccatctt cattagttca tctcaccaca agaatacgta gaatgtctga 120
cgaaaacttc ctgcgcgtt cgccaagca ccctatcggt cctaaccatg tctacaacta 180
tggcactgcg gggttccgca tgaaagccga ccttctcgat ggcgtctcgt tccgtgtcgg 240
tctcctgtcc ggtctgcgaa atcgtaagct caatggccag gccattggtg tcntgatcac 300
tgccagccac aaccgggcta tgcacaatgg tgtcaagatt gttgaaccca nnggtgagat 360
gcttgancan gaattggagg ctatnccnca agcttgtcaa ctctccttct gatcaggact 420
ctcgacaact acaaggnnct gggtagca 448

<210> 1134

<211> 639

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(639)

<223> n = A,T,C or G

<400> 1134
ggtgaaccaa gatcgatctg tcttggtgag aatcgtgnga agagcanaga gtcacgaatt 60
tgggtatctc gccaaagggtg ctgggtgaac tcatgaaaga gggcattgtt ccgcagaagg 120
aagccgatct gacgagtctg acggctgttt tgagcacggg gatggtattg aaggaacagg 180
tctttgaatg gttttacgat ggggcttttc ctaaccacat caaactcgcc aacttttcag 240
gcggtacaga tatcgccgcc tgcttcgtca tggagaatcc tctatgtcct atctacgctg 300
gcggctgtcc tggaagagtc attggcactc ctatggccat ataccatcc tcggctgatc 360
taacaaaacc aatctcccca gtcccagacg gtgaaccang gagatttang taggaacagc 420
ggctttccca aacgtacctc tctatctgtg gnacgacacg agtcccgtc caggcaaaaa 480
gtacacttca gctactttg accgattccc tgggtgtgtg tcacaanggc gattttgcan 540
gcggtccatc canagactgg gcataccat atccctcggt ccgctctgat ggtgttttga 600
atccnnagcg gtattcgcnt tgggaagtgc ngatatctn 639

<210> 1135

<211> 454

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(454)
 <223> n = A,T,C or G

```
<400> 1135
agttacctgt tcaaaccatc ccaccttgaa ctaccgccaa gatgcctcaa gaggtcgctg      60
ntnttaagaa gttcatcgag atctgccgtc ggaaggacgc ttcctccgcc cggatcaaga      120
agaacaagca gaccaacaac atcaagttca nggtccgctg ccanaanaac ctctacaccc      180
tggtttctcaa ggacaacgac aaggccgaga agctcaagca gagcctcccc cccaacctgc      240
agctcaccga cgtctctagc aagaagaagt ctgcttaaat gaaggtgggt tgaaaaacgg      300
gtaactcttg gtacgaggag gattcacatg cacgaatggg cgtcttgga taccttgcat      360
ttcatcatgt gctctggaag gaggatactc ggatgagtc aaaaaataa aaagaaccga      420
ttcgagtcac gaaaaaaaaa ganaantgat aatg                                     454
```

<210> 1136
 <211> 620
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

```
<400> 1136
ctttcataca gcatcaccac ataacctgag ccttttgagc acgcgaacag gccgaattaa      60
gttaaaacgc gagcaacaac atatttgaga cagtataccc tcgcatgcgc ctgtgacgac      120
atgccatcca tcgccctgag acagagcaga cgatgtagat tgatagatac gcgtgcttac      180
ttgacgaata ctccccgac ttcgtatacg aacatacagt ttcgcgctgc gacaaacgca      240
tcattggcgc cgggtttctat tcttgacgac tgggtcgcaa aagaagctcg ccctatcagc      300
cttcgccaac tcatgggtctt tggccgatct ctcacagaat cgcgcctgat cagctctgcc      360
aattatgttc gcaccgaatt acctacgcgt attgcgcac gcattcgaga catgcagcgt      420
ctaccatacg tcgtcaccac gaacaaacat ataaaagagg tctatgattt atattatcat      480
gcctttgata catttcgcaa agtgaaggaa gtcaagacgc tggaggaaaa cgacaagctg      540
tgtgaactca tcagncataa ccttaaaagg cacctgatgn aataccacag cttgggatgg      600
gaatcctgga ntgcgngngt                                     620
```

<210> 1137
 <211> 534
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(534)
 <223> n = A,T,C or G

```
<400> 1137
gtcactataa gaatactcgt ccttcccatc cattagtcaa ttcaatacca actcacactc      60
tcagcttcac atcattcaaa cacctcttcg actaaagacc aatcatccac tacttaaatac      120
aatccaaaat gtcaaagatt cttacagttt tcggcgccac tggcaaccag ggcggttcag      180
tcgtccgcgc catcctcaac gaccccgctc tctccaaaga gttcaagatt cgtggcatca      240
ccggtgatgt ctccaagcca gctgccaaag agctcgccgc aaaggggtgtt gaagtcgttt      300
ctgccgacat gaacacagcc gaacaagtcg ctcccgccgt caaggacgct cacactgtct      360
tctggtcaca aactactggg aaactaacag cggaaatggc gagattgccc aaggaaaggc      420
tgctcgtgat gcttgcaaaa ctggaggtgt gaacaactta ttttctcatc tnttctcgan      480
ccaacaaaaa taacaacngg gcgtnttanc cacattaaan cattttgagg ggca          534
```

<210> 1138
 <211> 576

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

<400> 1138
gccatcactc atgcaataact tcaatgacac tggcctggat atcgttgatg gtgtttctgaa 60
ccttattgct accaagctca acgttgatct cattgccaga tcganaattg gtgtttccat 120
gtcacgctc atccttagtc gtgccgtgct cctcaagcag acgggagccg gcacccctga 180
gcaatgggac aactgggacc gaacatttga aatcctgttt accaggctcg agccttcgct 240
tccttacatc ttcccaggta gtgttaacac cggagaggat gtgtatgtat ggcagcttct 300
tgcagccatg ggcgtttagcg ctacccatga tcaacaaact cgtttggtcc ttgctgtcaa 360
agatcgtgtg cttgatactg tcaactgtctc aaagactctg cctcctgtta tgggagctga 420
ncgcttgaac agtgtcnacc tattcatgcg atctatcggg ttggatgtcn aacttctcca 480
gtaaacacat gttacatatg caaacatctc ttgtcgggta tcttgggatt ttttctggct 540
ggcatatagg aatgaacntc caaaaaacng gaagca 576

<210> 1139
<211> 666
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

<400> 1139
gatcgtactg caggcccttc tcagcagcaa tcggaaactc gccaacgatg tgaacgtgct 60
gggcactagg aaggacaccc cgcgcctgcg ggagcgagtt cacaatagca tggataaaaac 120
gagggatagtg ttagagagaga ttggcgatgg tgtcaagcgg cttcaaaccat gggaggattt 180
gactaaacaa caaaagtacg agcaaacaaa ggtttcgagc gatttccaag ctgctctgca 240
ggaattccag agccttcagc gacgagccct cgaaaaagaa cgcgcacatcg ttaccgccgc 300
ccgtgcggca caggaaggcg agggcgcgca gggcgctcct tccgagacac aactagagca 360
actgcagcaa caggagcagc gcatcgtact cgcacctcaa gatgagggtcg attttcagga 420
agctcttatt attgagcgtg aggaagagat tgcgaacatc gagcaggggtg tccggcgacct 480
aaacgtcctc ttccgacaag tagcgcaaat cgtgaacgag caanggggag cagctgggct 540
cgatcgctga cagagtggga agatgtccga gaagatacgc gccaaaggctg acgttttagaa 600
accgacaggc cgccgcggta ccaaaaggca gtcgcgaaca aganctgctg cctatttggt 660
ttttgg 666

<210> 1140
<211> 900
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(900)
<223> n = A,T,C or G

<400> 1140
ggaagaattc gcggcctcag gaattttttt tttttttttt ttttacttta acatatcttt 60
cattaaaaac cctaaccgca taaaacctct gcgttgatcg tgccctgcaa cgaagaccat 120
tggtaggggg gtataggcca acagccagan tgtcngaaaa ccgtcaacgc cgtcctgggtg 180
ggttctctcg aaagcgccaa cgccgttgct gtgagcaagc gaangttcgc aacaagacca 240
gccaccttaa tgtccccaaa cttttgaatc tcccttcctg agaagaaata ncaaccaagt 300

ctatctgtaa	aataatgcgc	tcctataaat	gggtaacaca	aagttcgtaa	aagcatgttt	360
cgttgcttga	ttgttccgta	aattgccttg	taaaggcgctc	gtcatcccag	ttgaaggggt	420
tgcccagtc	gataacccat	aatagaaaaa	agnaaatgat	agtcgagtcg	gagtaggtta	480
anctttggtc	tcctcctcct	ttnttgccct	caccactctc	ggggccttga	gccttgacgt	540
acttcgctgt	agacangcaa	gggcctcgtc	gaccttggcc	ttgagagcgg	agtcgtcctc	600
aataaggttg	acaagctcgg	tgttgctccat	ctccagaagc	ataccggtga	tcttgccggc	660
aaggtcggag	ttgatggcct	ggatccttggg	gaagatcagt	tcacccagaa	tctgcttctg	720
ttggggagga	ggggcggcag	caagctgttg	ctggaggacg	gaggctccgg	cagggttcggc	780
accacggccg	ccttgaggcc	cgttgccgtt	gcgggccagga	ccacctcggc	caccttggcg	840
gttggttgta	ggggggaagc	cgggcatgtt	accagccatg	ggaggcatgc	caggcatacc	900

<210> 1141

<211> 577

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(577)

<223> n = A,T,C or G

<400> 1141

cgaggtcaag	accaacatgt	ggagccctac	catcaagtct	tacctccgcc	tttacaccac	60
catggacctc	aacaagcttg	ctggtttcct	cgaggtgaag	cccaggagag	ttcgatcatg	120
gtctctgggt	actaagcagc	gaactaagca	attgogctgg	caggaccagg	gtctgcttga	180
cggcgagctt	gtcaatgtta	gcgaccttga	ctatgctctc	caaggcgacc	ttattcatat	240
ctcggaggcc	aaggtgggac	gaaaagcttg	ggactgggat	ctccgaaacc	tgtcccgcac	300
ctataactga	gngnttttag	agagaactgg	ctagtcaact	tttctcaaaa	aatcgtgggg	360
tcttcgaacc	gagcctcaac	agcgcataaa	gcgctgaggc	tgagtactcc	acaacggccc	420
agggccagga	gaatcattac	ctgggggtat	gcaggccaac	ttgattggat	gtataagcat	480
ggcaaangcg	tctcggagtt	ggtgatgctc	gtgcaagaat	ctgagaatth	ctcagggtttg	540
gctgnatgtg	cnggaagana	tatgggactt	tcttcta			577

<210> 1142

<211> 631

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 1142

gctacttcac	ggcaagtccg	aaagtcacga	cgttgagaag	caaatacatct	ctcgaatgaa	60
gcaggagctt	ggacagcagt	tcaccagcaa	attcgaaggc	atgttcagag	atctgggtcac	120
gtctacggag	ctcaccaccg	gctaccgtga	ccacattcgc	aatgttgagg	acggtagtaa	180
gactatcgac	ctcaacatca	acgttcttac	cacaaactac	tggccacctg	aggtcatggg	240
gcgtaccgca	cagattggcg	agggttctcg	tgttacttgc	acgtacccac	ctgatttgca	300
gcgactacag	gcaagctttg	agcagttcta	tctgaatgat	cgtaatggac	ncaagcttac	360
ctggattggc	acnatggcan	ttntgatatn	aaatgtatth	tcccggccat	cgntgggaag	420
tttgccctn	tnntaaaaga	gcgggnatth	gaaataacgn	gcccacatth	gnttttgggn	480
ggcaagctth	tnntaaaaga	cctggaanaa	aacaaccctt	tgaatttggg	ggaaaaacag	540
gccccaaaaa	anantttggg	cccggantth	attggggccn	ttaacgggca	ttggggggag	600
nccccaanth	ttgttttcnn	cttaagggan	t			631

<210> 1143

<211> 588

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1143
 cagaaaatga tgagcctgga aagacagact ctccagctgg gccctttggc gagcacacct 60
 gcgattctcc cgtctctctg gaacataact tgtaccaggc aataaaggag atcgtcccag 120
 acccgctttt actatcttca ccggtgactc gttgatcatt cgatctggaa cactacatgg 180
 ggattacaat gagcaccaga ttattgaatc atatgagaac atggacaagc atctcgggat 240
 agtttacggc acagcaggaa accacgagtc tcatcctaca aacgcctatc aacctagctc 300
 tatcggcgac catcgtcttg gatctacnaa cttctcgccn gaacatggtc tcctggattg 360
 gaccgaaccg cctccagant tacgcaaatg ggtgcctact ccccaaata tccccatgga 420
 aactccgtgt ctttctctca cacaaaccta ttctaccgan gcaacttttg gttatttccg 480
 anaaagatga tncgcgaccc tagttaacag ctcgattggc ttatcgaana actccnctgt 540
 gccganaaaa ctggagancg cgtttatttc ntngacatt tgcccctt 588

<210> 1144
 <211> 507
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

<400> 1144
 cagatacgca ggttgtttct tctatagtat agactcggtta tccgttttct atctctagaa 60
 ctttacaatg aacgccttcc gctgcttgag acctgtcgcc gctcgagtgc cttttcaaag 120
 gtcaactctt cctcgagttg ccagagctta cagctccaag acctacgaat atatccaggt 180
 ttcacagccc aagcctgggtg tcggtcaggt gacactggac cgcccaaggc tctcaatgct 240
 ctttgcacac ctcttatcaa ggagctcaac caggctcttc ttgaattcaa tgcagccgat 300
 gacacttcag tcattatctt gaccggatct caaaaaggctt ttgccgtgg cgccgatatc 360
 aaggagatgg ccctctcagt ttcgctgaac ttacaccaac ttcttcatag agcttggtcc 420
 gactaccact caaattaaga agccatcatc gctgtgctca gncacgctct agcggagntg 480
 tagctggttt gatggcgact attactg 507

<210> 1145
 <211> 445
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(445)
 <223> n = A,T,C or G

<400> 1145
 ctcacctcac gaagctcaat tgaatcagca accatggctt ccgacgcaat caccgagccg 60
 cggcaagcga ccgcgagga gatgcgagag tcgccaaact ccctctggcc taccgagaca 120
 gctgcgcccc ccttctgatt cctctcaaca agtgccgtcg ggataccgtg gtatgccctt 180
 tggaaagtgt ccgatgagcg acacagctac gagaagtgcc aatacgtcga gttcaagaag 240
 cgagtcgcca agatggacga gttgagggag tcgaaggggtg gtgcaccgaa gcacctagag 300
 agaaagacaa agagaccgaa ttcaaatccc gggtagcaac aaacagggcc gggccggaat 360
 tgtacattta caaacaagcc aatgtgtttg acggaataga aagaggcatt ccacacaaat 420
 gaaacngatt caagacgaat atttt 445

<210> 1146

<211> 736
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

```
<400> 1146
agaaatcaat aatttcaaaa cctctcttct tcttttaact aaaccttcct cactttgaca      60
tctgtctgcc ccgctacccc gccaaaaccc ctccataact ctatcaatct tatcataacg      120
accaaggcat agaccttttg tcaactacagt cgtcaagacg ttttccaatc tccttaactc      180
gacgcatcac ccgtttgagc gagcccgctg ctcagccgat tccggaggct cagcggactc      240
gacctttgaa cagtaaaggt ctactcacag aaagaaaccc gtccaatctc cataaaccgt      300
aaacttccac gtcaaagcca attcaagcac catggctcct cacgcggaag tcggcacggg      360
ctcctcaaac gggtcgggtat acaacggcca aggtcctcc gctaccagg atctcttcac      420
cgtcaactca cccaacgtca cctacacgga tgcggaaatc cgttctcgat acacctaccg      480
caccacgaag gttgaagttg atgccagccg gcaaatatgt tgctactcct aacgagactc      540
tctacgactt caaggctcgac cgcaagattc ccaaggctcg tatgatgctg gtcgggtctag      600
gaagcaacaa cggcaccacc gttaccgctg gcatcctcgc caacgccgct agctcncctg      660
ggganaccaa aaaangtctc gcgagtccaa ctactacggn tccgtttgtc ttggggtcaa      720
ccctcaanct cgggca                                     736
```

<210> 1147
 <211> 717
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(717)
 <223> n = A,T,C or G

```
<400> 1147
cctcttgtga caaagctgtc agccgaaaaa gtcatcatatc tttggaagcc aaaaccatca      60
agttttcttca actcaagctt caccctcacg ccctttttaa caccatccat agcgctcaat      120
atgtcggacc gtgttagtca actcgcaggc catctgaact accccaaggg tctactttca      180
ggacaattag cgattatcac tggttctggt cagggaaattg gcgcaaaaagc agcaaagttg      240
ttcgctaaag agggcgcaaa gggtattgtt gcggatattg acgcaaaaaa atgcagtgtc      300
gtcgtgaaa gtatcaacaa ggacggcggt caagccaagg ccgtgcctgg tgatattctt      360
aaagcagact atatcgaaac tctgataaag agcgtgctg actttggcga tggcaagatc      420
aacattattg caacaacgct ggctacactt gggatggagt tattcataaa atgacagaca      480
agcaggggga cactattctg gctcttcatt gcactgctcc atttactctt gtccgggctg      540
cagcgccgta ctttcgcctt acgcgaaggg gctcctcggt gcattggtaa catctcatct      600
acatntggcg ngccccgaaa ccgcagggca cttaattatg ccttgggctaa angcgggtgt      660
tctggcttcc caaacattgn aaaggagnng gccctctttt ggtaaggcc aacacnn          717
```

<210> 1148
 <211> 575
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

```
<400> 1148
agttctcctg tctccagca ccgcctctat cctctatctc catcacatcg cgccccccgc      60
```


<210> 1151
 <211> 641
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 1151	
tgcgccaacc atgttcactt caagatcggg agcaagactc gtcctacgac gagcatgctc	60
tcctctgacc tcctctcctn tgaggcaatt ctccacatcg agacctctcg ccgtttagcta	120
ccactcctat actcttcccg cccacacctc tacgcctccc anaaacgacg acgttcccga	180
aacatcaata acacaacctg atcctctccc caaagtcac gagactcgtc ctccccaca	240
acagcctcag caccctcagc cccgaagca acaagaagct gcgacgacaa caacgacgac	300
gcagaatgac gttcccgcca cctcggcac agcgccgaag ctaaagcaga aggaagccca	360
gaagccgaag gccgcccagc acgatccaag ctacgcccac gcaaggccgc tatgaaattg	420
acgccctctg cggnggagca attagagag ctgctcgatc agcccagacc gaagctcatc	480
aaggctcggc taaggaaccg aggatgcagt ggttttagcgt atacctcgaa tacgtcgaca	540
agcctggcgc tttcgacaaa acggttgaca aagatggcgt caanggtctt gattgataac	600
aaggtctttt tcagcatttn ttgggaagcg aaatggactn t	641

<210> 1152
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 1152	
cttcaatgcc gtcataaacc gttcggactc ccatttgccg tcggcaaaaca tattegccc	60
cgctgtcttg aggtctgtca gattccccga cttgtgcgct gcatcgagag cctcatttcg	120
gcccgcact tgcataaaa cgcgagtcgt ttctctctta tctttcttg tcccagaggta	180
gcgccctccc gggagatggc aaaaggtgaa acattttgag tcatgtgggt gtgggagtg	240
gctgaagaag ccgatgtacc ctccaaggaa atggcgagga tcgggggcat cagggccgag	300
catgagccgt cgtgttcttg atccggctcc atctgctgcg acgacaagat caaagtcac	360
ttttcgaccg tcgtcaaaac ccacatgaac ctttcccttg ggatcgctct cgtcatcttg	420
agtcagactg gtgacgggtg taccgaacga tgcttcacgt tcttgctctt ctacgtaaga	480
cccatcaaga tactcgcaag atcaccacgc atgatttcgt attctgtggt gaaggccttn	540
ttcataccgg ccgtgttncg nactggaaa taatactttt ggctggcct	589

<210> 1153
 <211> 768
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(768)
 <223> n = A,T,C or G

<400> 1153	
ttatcaattg accttttaaag agtaccgcaa taccgtcaag atgttcgccc gatctgcatt	60
ccgcgctgct cagcctttga ggtctgttcg tcgatatgcc actgaggctg gaggcgctgg	120
cggttccaat gccctcctct atgctactgg agctgctgct cttgggtggtg ctggttactg	180

gtacttttgg	aagagcggag	ctcccgtttc	tgccgctgcc	caggatgtga	agcaggctgt	240
tggtgccgag	cccaagaagg	ccttcactgg	tggtgatcag	ggctgggtct	cactcaagct	300
atctgatgtc	gagattgtca	accacaacac	taagcgcttg	cgtttcgagc	tcctgaagc	360
tgaccaggtc	tctggctctg	acattgccag	tgctcttcta	caaagtacaa	gggccccaat	420
gatgagaagg	ctactctccg	accttacacc	cccacagcg	atgagaacga	caagggcttn	480
ctcgacttgc	ttatcaaaga	agtaccccaa	cggtcccatg	agcacacact	tgacgcgacat	540
ggcttcctgg	ccagcgcctt	gacctcaaag	gccttttccc	aaagtacgcc	tggggaggag	600
aacaaggcac	gaaccacatc	gcccttaatt	gggtggggga	cttgggtataa	ccccaatgta	660
ccaagttggc	gggcgccatt	tttaaaaacc	ccaagggnaa	anaccanggc	cactttgggt	720
tttgggaaat	ggcaaganaa	aangaanttc	cttttnaaaa	agggtttt		768

<210> 1154
 <211> 530
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1) ... (530)
 <223> n = A,T,C or G

<400> 1154						
cgagctcgag	gcacatatgc	gaattgaact	ccttgacccc	agttggaagg	agcaaaaggc	60
caaggcagac	tcgcgctatg	cctcaaccaa	catttcccat	gttgacgttg	caaacaatct	120
gaagcgtctt	gctagccaac	gcagcgacgt	cctcgacccg	tgaccggaca	ggcaattttc	180
cgagggccaa	ctggcgcgta	gaaagaaggc	tgntattcac	agctatgatg	gtgccatgga	240
cgctaagagc	caagcacagt	tggccatatg	caaaacgtta	acgtcgagga	gcagatccgc	300
gccattcatc	aaaagtctgc	cgacaaaaag	tgaagtattt	ggtagtggg	gcaaattgcc	360
gatccggaat	atgaagaaaa	acaccggtaa	cccgaagccg	agtgtactgg	ggtacgtcgg	420
cttgtcatgg	gccatgtaa	aatgtttgtc	nganaggctt	ttaggttaag	gttaaggngg	480
gcccattggg	gctnngttt	ganatttccg	gcttaattgt	tgtaaacttn		530

<210> 1155
 <211> 322
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1) ... (322)
 <223> n = A,T,C or G

<400> 1155						
ctcaagtggg	agaagtggga	tttccgggtg	ggtttcaact	accgagaagg	gtcttacctt	60
gcacgatatt	cgatatgatg	gccgcagtct	cttttaccgc	ctctctcttg	ctgagaatnt	120
tngtccctta	tggaaccccg	cgtgctccct	accctcgcaa	ggctgccttt	gaatctggga	180
aaatgaatgg	tgccgggtatc	aacgccaaac	aatctccact	tggaatgta	attgtctang	240
gtactatcaa	gtacttcagt	ngcctatcac	aacacaccat	ctggganaan	ctatgganct	300
accaaattgtc	gtctgttgtc	cc				322

<210> 1156
 <211> 679
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1) ... (679)
 <223> n = A,T,C or G

<400> 1156
natgacaaan gagagccaga tgacacatgc tatggngtta acagcagttt acctnaatga 60
ggagacaggc gaacctgtcc gctggagggn ncaaaacant nggggtactg ctgctggtga 120
caagggctgg tttgttatga gcgatncctg gcttgatnag tttgtttatc aggcagntgc 180
gancccccngt tctgcagtaa aaagtnangg atgtcctcaa aaaggaggcc attgtccttc 240
ctcccntggg accccatggg ggcgctggct tnaaancacg cgttccgtgt gcacccggga 300
agnttggtgc acattgtttt cgcgtattcc acctatggaa tcgatattta ttatgaggat 360
atgtccgaca agccatantg agagctatta ccacatacac aaagttttgc catccaacaa 420
tggtgtttnt tcagtcacgt ggcggttgct cttgtaggac atgacatgac gatggatcga 480
agttngaggc aacacgatgc agtcactata tgtnttgaca taaggattac aagaatatca 540
ttagacgtat ggcgcacctg gcncaatgaa gcttcnccgc tgtatgttat ggggtncaaa 600
ttacaataat caacagatgt gtatttgatc ctggaaaaaa aaaaaaaaaa aaaattcctc 660
cggccgcgaa ttcttcacg 679

<210> 1157
<211> 231
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(231)
<223> n = A,T,C or G

<400> 1157
ncatccttga caaatgactg gaccaacacc gagaccgcgn antaggettg cgttctccct 60
gatnaaccag tcngagaatg acccctacag gggtnagagc acncgaaagg tacctggcct 120
cgtcaatcat ctgtgncgtg gacaggtctg atatnaaatn ccttgcgctc gcttgacaag 180
ggggctgacc tcgacgtttt tcntggcggn ggccgacttt ggctgggtgc g 231

<210> 1158
<211> 759
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 1158
ggaactgcga tacggcgggtg ataaagtaac atcaggtggt tcacggtatc ttgagagggc 60
cactgacctg ggcttcatga tggttaccct tttcggcatg tccagcgtag taggacccgt 120
tgaatacggg cgaagatacg agaattctcag ctctgaaaca aaggcagcaa tcgaaggcga 180
agtccggaaa acgataggaa agtcgtacga ggatgtgcga aaactgttga ccgaaaagcg 240
aagcgagttg gacttggttag ccaaggctct tgtacagtat gagaccttgg acaagttaga 300
ggtagaaaag gtaattcgag gcgagagtct tcccggacgt atcactgcac ctaaagggcc 360
aatgagactg cctattcctc aacaagctcc aacaccacca ggtctcgggg gtgttcatca 420
gcctcaaccc ccggagacac ctgcgcgcga gcagcagcan cagcagacac atctagaact 480
gatgggttag gttgaaggct taaaaggcca gtatcacgcc atggtggagc aaagatgagg 540
taaaaaggaa gcccggcata attcacgcca cgcacgacgt atgtggtggt ggaaaacagg 600
gtgaggatcc atatcgaaca catatttcta cagcagcatc tgtgtggaat tggatgaant 660
accttttncc agtcncaaaa aaaaacgggg tttnaacgan gacnactggc cttgtgtnta 720
ggcttaacga tttatgtcca tatggacttt attttgttc 759

<210> 1159
<211> 745
<212> DNA
<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 1159
 ccgacctggt gtcattgttc gtgagctcaa cctggaccag cccatctacc tccagactgc 60
 caagaacggg cacttcggta ccaaccagag cttcagctgg gagaagccca aggctcttaa 120
 cttctaagct gtcttgtgac atgggtatcaa accacaaaaa gagtattcaa cagctctatg 180
 catacatctc aacagatgtg taatcagtag atttgattta gcaactatag gcggcgtagc 240
 gttctcaacg aaacctatgt atctcccacc ggaagggagg acggtcgggt tccggctttt 300
 gttttattca tgatttctat ccaaaaacca ttttggttcc acgggtgtgg agatttcttt 360
 cgcgatatac caggcacgga gtgggcgtct ttcaacaaag acatttttagg gcaaacctgc 420
 atttgtgagg cgaatcaaaa gaagagtcaa aaagacttgc attataacga taccacgata 480
 agggaaatga caaaaagacg acgcattcaa tgtgaaaagc ggcgttttga cgaggaaaca 540
 aaagaacttc aacatctttt tcttttcagg atttctagcc gagctgatgc agtaggcggg 600
 cgaagaccag ccaggacgtg gtggagggtg gattgatngc taattagaag tcgatctttg 660
 atgatagaag gattctaata gctggttagt gcccagttgt gnnatgcaac cgnactagac 720
 tagaaagaaa cagntattcc ggaat 745

<210> 1160
 <211> 300
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1160
 cttctggccg aggcgaaaca attggatgtg gatgttctgt gctgggggtgg tactcaccgc 60
 tttgacgcct ttgagtatat ggacaagttc ttcgtaaacc ctggcagtg gaccggcgct 120
 ttnatggagg gtttcagnca agaggccga anagcctcnc cgagcttttg tntnatggat 180
 gttcaaggca tctcgctcac cctatacgtc taccaattac gaanagacta caagggcaac 240
 tanaacgtgg nanttgagaa ggngacatac acaaaaaccng natagccttt angaggacat 300

<210> 1161
 <211> 499
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 1161
 acagatcacc cataatgtgn tgacgagaac gcgaacggta cccccggcga gcaggctgct 60
 cccaactngg aacacctcaa catcaagggt acggacaaca acaacgaggt cttntttaag 120
 atcaagcgca ccaccaagct cgagaagctg atgaccgcct tttgcgaacg ccaggggcaag 180
 accacaagct ctgtccgatt cctctttgac gggacgcgag ttcagcctac ggacacaccg 240
 gatgcggnct gtttaccttt gtccaccaca cgcctatttc tgnatacata tggcgaggt 300
 catttggaag gtccgtgagcg cgcttgacat gttactatnt ntagctcgag atgcaagacg 360
 gngatacact tgaggtacac cangaacagg nnggaggatt ttacttttaa gcggaaaagg 420
 aagcgggcga gggatgtaca naagcgngt ttttaaangg gtgaattagc caaactgctg 480
 gnttgaantt ggattccat 499

<210> 1162
 <211> 402

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 1162
tggccgttta ctgccaggac aagcttggtc tcacatcaga aaagatgaac ccccggtggag 60
gagctattgc cctgngtcac cccctangtg ctactgntgc cagacagatt gtgacaggtc 120
tgtctgagtg cangcggcag aagaagaaga tgcttctgac aagcatgtgt atcggcacag 180
gccagggcat ggctggcctg ttcgtaaacg agcaggctca gaacgggtcaa tgcattgatag 240
gcgctgggtt attaattatg taacaacaac agatctcgat gcgactctacc agttgggttg 300
agatatgatt tcctgatgag cgagaatact gaatttgaaa gcataaaant ttgttccttt 360
tttagcaata ctgagactac tgaaaatcat atcgggtgaaa cc 402

<210> 1163
<211> 630
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 1163
cttagatata caggatctct cccccctccc cctatctttt acatcttttg cactttgttt 60
tttacacaaa gacaatcatc acaatgcctt ttgcgactga actgacaaaa cgactgggca 120
tcagagtgcc cgctcgtgcaa ggcggcatga tgcacgttgg caccgccgat ctgcctcag 180
ccgtttccaa cgctggcggc ctggggcctca tcaccgccct catctaccgg acccctgagg 240
aacttcgcaa agagatccag cgctgtcgca ccctcaccaa gaaccccttc ggtgtcaaca 300
tcaccctcct tccttccatg gtccctccca actacgccgc ttctgcccag accatcattg 360
acagagggtat caaagtcgtc gagacagccg gtaactcgcc cgggcctgtc attacgcagc 420
tcaagaaggc cggaatcatc gttcttcaca agtgtagcac cattcggtcac gcgcagaagc 480
gccgttaagc tgggcgtcga tttctcagc attatacggg ttcgagtgcg ctggccacgt 540
tgggagagag cgacattacc aactttatcc ttcttagcaa aacgcgtcaa acctgggtgt 600
gcccttcacn ncnagcgggt gcttcgcaaa 630

<210> 1164
<211> 579
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

<400> 1164
caccgccttt caacatcacc gccatcacta aaaacctgca tccttaactc ctattgacgc 60
gtcatgggtg gtgactgacc gaattactcg ctgctttaac atcacgcgcg catctccttt 120
ctatatcata ccctattccc aacaacgccg acatggatcc atctttgacg cgcgatctgc 180
cgaattcggc tcttaattct accaagatac catctccctc tacggcttct aaacagtcac 240
cgcgaccagg aatcggaacg attctatcat tacctccaca atggctctcc atgtatgatg 300
agttcataac caagaacgct ggtcaagtct cgcagatcga gagcgctcta cgggagtttg 360
acatatataa ttccaggccg attccgcgat gccgaaatcg cattccgagt cgattcattc 420
gggtgttcaa ctctatcac tataccatga ctctctactt taaaaggcta tcgcacgtct 480
gccaatggcc agcatgccat cagcgcgatgc tcgatacaca cgatactgga cccaaaggag 540

tggcgcatat cgaagaatan ccatgttttt gcagatgat

579

<210> 1165
<211> 590
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 1165
ccctgatatt gagcacatgc ctctttttcgc cgtttccac cgtctgcttg gcagcctgag 60
atcgacatac tacgaaacga antaatgtac tacgatgctg tggctaagg tctcctaaga 120
aattcaggcc tggacctact accccctgct ttctcttgcc cgtttcaacc tctaccgact 180
atcttgggga ctttctttctc atgggtcgaa gtcccaagaa gggctctgcg ctggctatct 240
ggtggcttga gatcaccgga cagggtctct tttggacatg gttcggttat ggctcgtct 300
acaacatgct tccagacaac tggactcggt tctactttgt catgataagc aacattactg 360
cgtcaccct gcagttcag attgtgctgt ctcatctcgc gatgaacact gttgaatttg 420
ggcctcagga atcttccctc anaaacagct tcgaaagaca tggacatcna atgcccgant 480
gcttgattct tccatggcng gctgcagtc aagtnatcat catctctttc ccgcgtgccc 540
gtcataacct gcgtntaca canaaacct tcaggattct gttacaaatc 590

<210> 1166
<211> 628
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 1166
agcacatcac aacgcagtta tcagaacatc atatacacca agcacaatgt ctgcatcttc 60
gggatctgga agctggacta gtctcatgca acaagctcga aatctanaaa aacagacgga 120
gaacttgctt catagctatt cgcggttcgc agcagctcct aatatccac ccaaaccac 180
agaaaaagaa cgcgagacag agacgaagtt ggaggagtta ttaaaaaagc gtgaggatgt 240
cattagcaaa ctgctccgac tgctcgattc tgaagccgcc tcacctnctc cgncataaaa 300
cagaagaatc tcaacncttt ccagaggaag ctcgntgatc acaagaaaaa tctaattccac 360
ctacgctcaa atctacaaga ggctcgtnat cgcgcgaacc ttntgntaac gtccagtnng 420
atatcgacca ataccggcag aacaaccccg aagctgccga ggccgattac atgttgagg 480
agcggaatcg catcgacaat agtaacaaca tggncgataa cgtgcttanc caggcgtttt 540
gctgttaatg acagctttta tctgcagcgc gaaacattgg gcagcatcaa cnnaggaggat 600
taccncccc cagcaagcca agnggccg 628

<210> 1167
<211> 213
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

<400> 1167
ccaacatctt gcgggtatga angacagcaa ggtcattgcc gccattaaca aggatgccga 60
tgccccatc ttccaaattg ccgatgtcgg tctggttggt gatttgtttg aaaagggtgcc 120

anagctcact gagaagggtca agaactcata gatgtctata atgtacatag tatgaagtac 180
 aaaatgatgt natatacaaa cagttaaatg ttt 213

<210> 1168
 <211> 813
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(813)
 <223> n = A,T,C or G

<400> 1168
 taatggaaga ctcgtctcaa tgagcatggc gtgaagattg ttctgagtca ttcgccacag 60
 agccaaagac ggtctccgaa ctgtcttana accatctacg cgtcgtactt catatccaac 120
 gtactttttt acttacatta acaggcgaga catcatgacg agaggcaaag acacacaaga 180
 cgctcacatc caagaaaacg tcgctgatga agaaacaaac gacggaaatg atgtcccaag 240
 ctaccacccc cagccagcta cctttaaagg gcgtcttcaa atgagtact tcatgttcaa 300
 gtcaactgag tctacaggca agggagaacc ccctattcga agatcaccac gattcaatcc 360
 atcaacgtct tctgccatag cggcgcctac accagtaact acagtaaaga ggacgaaaaa 420
 gaggaagcg gaagagaagg agaatgacaa gccaaagaag aaacgagcac gccccagttc 480
 tggatacgcg ccaccctcaa cgtacgcccc tctccctggg ctgccagatg ccattgccga 540
 caaccttctc gttctgttta tcggtctaaa cccgggaata caaacggcaa gaactggggc 600
 atgcctatgc ttatccatta aatttatctt ggaaacttct cttctcaagt ggtcttactc 660
 cacgtctctg cagcccgaca gaagatcgtc agctccccga gatgtactca atgggattta 720
 ccaacattgt tgcccgacca agccgcaacg ggtctgagct tagcaagcag ganatggacg 780
 aagggtgtga gattctccac naaaatgtcg caa 813

<210> 1169
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 1169
 gctaagcatt ttctctactt tgacgaagac agctatcgaa ccgaaccgat atcgatacta 60
 taccgactcc cattatgtcc gaccctgtcg ctgaggtcac cgagggcact gtcaagctcg 120
 tgcttgacga ggtgacgggc gagcaggtca cgcgcaatga gctgaaaaag cgaacccaga 180
 agcgagccaa gaaggctgct gcccaggcct cgcgtgaaga gaaggcaaag aaccaggagg 240
 cgaaccccaa acctgctgcy cccaagccca aggctcagga gcctaccag cttgaccctg 300
 atgccatgtt caagcagggc ttccttgccg atgtttacaa ggagagacct gtgaagcccg 360
 ttgtcaccog attccctccc gagccaaacg gataccttca cttggggccac gccaaaggcta 420
 ttgtcattga ctttggtatt gctcgctcca cgggtggcaag acgatccttc gattcgatga 480
 cacgaacccc gacgaagagg aggagattac ttccaatgga tcctgaagat cataagtggc 540
 ttggatttga gcccagngcc atacacattc agcgacaact tcaaaacttt tngatctngc 600
 aaggacttgt caagaaggaa ag 622

<210> 1170
 <211> 579
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(579)

<223> n = A,T,C or G

<400> 1170
ntttngttttc nttccgggent cntgtacata atccatacnc caacatnata accccggcnc 60
ccgattttcat aattttatcga gtccgacatt actccttttg accctanana ccagatcgng 120
cggagaaggc aactatcagt agagcctcat ccaaaattgc naaatctgca tccatcgttg 180
agccggcncc tctgccgggt ttggngcgct ctcgacntcc cttgaaaatc cacgggaana 240
aataattctc acgccaggtc gtactcataa ccgcagcagg tctccaaggc gaacagcctc 300
tggttgatan aacaatgtaa ataagggaag tcggcaaaat agatccgtaa cttcgggata 360
aggattggct ctaagggttg ggtgcgttgg gccttgggag gaccccttg gagcaggccc 420
ccactagtcg ggcaaccgac cggaggcagc cagcatccgg gtgctgatcc cttggcangc 480
ttcgccgccc gcgcncgttt aacaaccaac ttaaaactgg tccgacaagg ggaatctgac 540
tgttaaataa aacatancat tgngatggnc aaaaggggn 579

<210> 1171

<211> 734

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(734)

<223> n = A,T,C or G

<400> 1171
caggtaaagg cggagaatcc cacgttggct ctagaagtgc cttggggaaa gagcggcata 60
gttcagacac ggacgactac ctggaaacga gaagctgcta ccaacccaat attctatata 120
tttccatgaa ctctgttgac tccatctctc ttctcgcatc ctaatacaca tcaaaccttg 180
gccctttcat catcacaaaa gaaacccaac accaaaacca caaccctcac caacacattc 240
aaaatgtctg aactcaaggc cggcgccaac ttccccgaan gtgtcttctt cagctacatc 300
aagcccactc ctgagatcgc tgaattctct acctgcggcg ctcccaccaa ctacaacgcc 360
agtcatgant tcaaggataa naaggttgtc gttgtctccg tcccngtgct tcaactctac 420
ttgcagtgga tctcacgttc ctctctacgt caaaaacatt tgacaaaatc aanggccaaag 480
ggcgttgaca agtatcgtca ttgctgtcaa caaccattt gttcatgcat tggttnggcc 540
aaggccaatg gaattacaaa taacaaaatt ctcttatgtc caccacaatg ccaagttttc 600
accacattcg gtggaactgg gcaaaaaact gccgttcccc ngattgtgac atggaggatc 660
tttccctca agatnaccgg cacatcaaaa tcggggccctg gngccttgct attggaacca 720
tttctcccaa aatt 734

<210> 1172

<211> 533

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(533)

<223> n = A,T,C or G

<400> 1172
ctcacttgct ctgcctgttc tttatcagtt atcctacttc ttctctagta ggcgtgacta 60
aaggacgagg gttgttcaca tagttctttt ccgtacaatc caaacttact ttaccttcta 120
caacttttcg caagcttgct cactcaaccc cgcacccttt aagcaacaca agatacgagc 180
ccgttctacg gcaaagctta tttatttccg ttcattatag aatcgggaaa ctaccgcaaa 240
actcgaacca aagttattca tatcgagacc gtcatgaatt tcctctactc aacagtcaac 300
accctccggg atcgctatac acccgatatc cataagtcaa ccttccgcca gactgggtcaa 360
atcacacccg aagatttggt gctgctgggt actatctcgt ctacaanttc ccgacctggt 420
cctggggcga nccgantctc ccgaacgccg antcanccat ctgcctcccg gcnagcagtt 480
tctcgtcaca cgcaagttnc ctgccacgtc gttaaacaat anttgcttgg gaa 533

<210> 1173
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 1173
 gagtcgaagg gcaagacaat tggtattacc ggaggcgcca atggactggg atctttcatg 60
 gttcgtgagt gggcttccca cggcgcaaat atcatcattg gcgatgttgc cgatgcagct 120
 ggcgaggagc tcgtagcttc actcacagct caatatccgg actcggcctt tgcctttcaa 180
 cactgcgatg tcaactgattg ggagtcccag gtcagtnat ttgagacggc cgttcatgtc 240
 acccctcatg gnggaatcga cattgttggt cccaacgcgg gcattattct ccccgacgtt 300
 tntattcagt tcgaggagcc tgttctaaan aatggccgtt tgcccaagcc cgacangaaa 360
 cagttngatg tnaatatcac ngngctacc tacaccantc acctcgccct ttactgggtg 420
 cctnanaatg gatcttcccc tcgggancca tgccttnttt tggggggntc cttgtttcct 480
 ttggcccttc cccacccana ccatgtacac gangagcaag cctgccatcc ttggcctttt 540
 tcccnacttt tccgngcnaa aatttttccg gaacggngtc cggnggggaa atgancaccc 600
 cctttacttc ttttaaaagg nccaacatg 629

<210> 1174
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 1174
 tggatctacc gagggtaggc tatttctttg ggagacatgc accggacgac aagtatccac 60
 gccgccttgt caggttcagg cgtctcatg cttggccgta acgccatata acattctttc 120
 cgggtccgat gactccaaca tcaacgtctg gtcgttatcc cgtcttctag agctcgacgc 180
 aaaggctgaa caggagcccg atctgacact ctccaatcac cgagggtgcca tcacaagtct 240
 aactgtcagt cctggtacca attcggaaac tggcatatgt gtgtctgcca gttaaagacaa 300
 gacatgcata gtctggaact atcagacagg ccagctcctc cgtacggtac tgttccctgc 360
 aactcccctc tgcgctcgtc ttgatcccag tgccagggca ctcttttgtt catccgaagc 420
 tgggtgctgtc taccttgntg aactattcgg tggagacaag ccgttgcttg gttcccgcag 480
 cactgagcaa ccttcattgt cgtgcagatc aacaccccgc ttgctgtctc ggatccggaa 540
 cttggacaac catcgtgtat tgctctgaca aacgacggac ttcaatattg nctggacaca 600
 ccaanggcaa gatcatgcga tgg 623

<210> 1175
 <211> 621
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 1175
 gagggtgcan gcanggtgcc attccagatc tgcgaggaga ttgctaagca taccttgaag 60
 cgtcacctca aggttgatag cggagacatt actgcatttg gcgcagggtt ctccaacata 120
 gtcaccttct cgcataatga taangaggct tttgacnctg cccgacgagc tttccaaact 180

ctogaatac	g	atattcgaaa	cctcgaagat	ttaccattgc	agatccgaca	actttcagca	240
gtatcaccag	g	ctgccagata	tgcttccggt	gatgctcca	cacctggctt	ccatacagga	300
accatcgagc	g	ctatagatgt	caacatttac	tttgaggcat	cangccggtg	gccggagaat	360
tcggtagcta	g	ttcaagagac	caagattgag	tttttactcg	atttcgatag	gcgtctgaca	420
tcaaccanag	g	agaatatcaa	aacttacctt	ggtcgagaca	acaagganat	tgggatcgag	480
aacttggcct	g	atctcgatat	cgtctatgat	actggagcag	cattccggtt	gaggattcat	540
gccgatttgg	g	aagacatcct	gcttgagcga	cagatcanga	acaagacact	tgaccctcgt	600
atccnttgag	g	ggagtcacaa	g				621

<210> 1176

<211> 301

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 1176

ngtcgaggnt	g	acgagcaagc	acattgttgn	tggtntaaag	aangaatacg	tncatgctcn	60
gaacgctcca	g	ctctgngcta	ttgagcgaac	actctgctnc	ttcttgagaa	ctaccanacn	120
gaggacggtc	g	tcattgttcc	cgangtgctg	cgaaagtaca	tgcnngntga	gcccagagttc	180
cttcctttcg	g	tcaaangaag	ccttcnagga	ggccnagaan	gtctganaag	aanganaaga	240
ccctnccctgt	g	gcgagagaag	gcataaacga	aatcacttgn	taaatgatat	gcgatgatat	300
a							301

<210> 1177

<211> 384

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 1177

naaacaaaaat	g	ncattccnca	acccaagggn	tnactcttc	ccantacaaa	gtcntntcca	60
tcattcttctc	g	cagcttttcaa	aanattctat	tccttgatgc	cgatgccttt	cctcttanaa	120
accccgatca	g	tctctttgac	gtggaaccgt	acaagggtag	cggactggta	acatggccag	180
acttctggct	g	gccaccata	tctcctctgt	tctacaagat	cgctgggggtc	aagatgccaa	240
acgtgacaat	g	cgactctcga	agctccgaat	caggggtcat	gctttacaac	aaanacaagan	300
acgccgacag	g	tctcttgctg	gctgcttact	acaactttta	cgggccaaga	ttttattaac	360
cagcttcact	g	cccaaggcgc	ttgg				384

<210> 1178

<211> 302

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(302)

<223> n = A,T,C or G

<400> 1178

ncccttgcca	g	aagcctgcga	aaatcatgcc	aacagtgccg	aactgggaag	ctctgggtcaa	60
catcacccaa	g	cccagagagct	ggtcgaccaa	cgctgtctat	caaatacaca	gnaatcttca	120
ttttaagcaa	g	gcctcaagtg	ggnccagcga	ttaatggaga	tggtcatttt	cgaccgtgtc	180

cgtnaggaaa tctacgaacc aagaagctca acgttcactt gttcaactcg gtcaagaaa	240
ctcttttcaa acnttgctgg tttctttaag ggnttccttt tccttttcgt tggcaacggg	300
ac	302

<210> 1179
 <211> 495
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 1179	
cccagtccaa gacaagcact gtcctcttta ctcaactcgc ggagtacaag aaccgaggcg	60
agtttgcgca gcctcacacc accattacac accacctgga tctcgccgat gaccgaggtc	120
ttgttctcat gcagggcaat gtcctgcctg acaggggtgt tacaccagag aacgccaaagt	180
ggcttcttat gtctcttcag cgattctatg gcggatggga aagcgagagc gctgagttga	240
gcggcgagcg caaggaaagg gctgaggaga gaaagaactg ctgggctggg tcgcagctgg	300
tgatgggaga ttcagcgttg acaggcttct ggaagagctg ancgcattgg ttgatcagaa	360
gacatgaata ctgtgaccat gaattttgac ctcattggtag agtgaaggga cgatgtttaa	420
gancgaaaca acagtcgtgc ccatcaattt tgttaaataa atagataaccg tacgataatt	480
catctacttg acctn	495

<210> 1180
 <211> 308
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 1180	
ntcctaaaca tncntcctgt cgttcntatn aacgttggcc agcacggccc ctccacagcc	60
gataagctna agatgggtgc catgatgggt ggaaccggng gtgtcatcat gggctttgtc	120
tttggaaccg caacattttc cgatacnng ctggctctaa cggcatnatg anaacccttg	180
gcaatacatg gntgggtccg gggcgacctt tggcttcttc atgtccattg gcagggcatt	240
cgatctgatg ctgaccccaa actgcacgan atgtatatgc naacccccacc ccnntataa	300
tgctgatg	308

<210> 1181
 <211> 533
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(533)
 <223> n = A,T,C or G

<400> 1181	
cttcttcttc ttctagtcac tccttgtcac tctttacttg agttgccttc acgtgtcctc	60
ccaccgtcgt cgcgtcttgg agaanaaagc cacgtcgaat acgtaaccg ttctacctct	120
tcaacctaat aaaggggtctc gtgggtctcaa attgtgtcgc tcccaacgat caattaactc	180
gccccatcatg tctgcgaact ccgctacctt ttacgagcaa gctgccgctg cctaccatcg	240
accgtccctt tggatttcac ctgtggccca tcttcgacaa ggcttttact gctgttctcg	300
gctactccgc caatgacttc aagtttctgc ctttcgagac tcccatgtcc accctcaagt	360

cgacatcgat	cttcattgnc	atctactact	gcatcatctt	cggggggtcg	cgagtggatg	420
cccaacccgn	gagcctttta	agctcanggg	gtcttttttt	gatccacaac	ctttacctga	480
ctntgaacag	nggggctctc	ctggctctct	ttattnagacc	antttctncc	cca	533

<210> 1182

<211> 510

<212> DNA

<213> *Fusarium venenatum*

<400> 1182

tttttttttg	gaaagtttca	tttaattcat	cccgacgacc	ctctatagtg	tcttctagaa	60
tctaccaata	aacccatgct	ttggatatcc	atccacctta	aatccaatac	tcactcacia	120
acacaaacac	tttcaaacia	cccaacccca	aacaaccaac	cactatcaca	atggagtccc	180
tcaagcaagc	tggcaactac	gtcgtcgaga	ccgttcagca	ggctacctct	ggtgcttcca	240
aggaggccaa	caaggagggt	gccaaaggata	gcaacgtcgc	cgccgggtacc	cgtgtcaccg	300
ctgccaaagga	tgccctgtcc	gacaagttcg	aggagaagtc	ccacgagggc	aaggccgagg	360
ttcacaagga	ggctgctaag	cagtaaatacg	aataacgaca	tgacacggaa	atcactttct	420
gaagaaatgg	atcgcaacgg	cgttgaaagg	gaatagcggt	gggactacat	aggctgtata	480
cacttacacc	taatacaaac	agtcaaatcc				510

<210> 1183

<211> 1052

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1052)

<223> n = A,T,C or G

<400> 1183

ggagtcgtct	tcgtatgcga	gtgttcgggt	gtaaaacccc	tacgcgtaat	gaaagtgaac	60
gcaggtgaga	gcttcggcgc	atcatcgacc	gatcctgatg	ttctcggatg	gatttgagta	120
agagcatacg	gggcccggacc	cgaaagaagg	tgaactatgc	ctgtgtaggg	tgaagccaga	180
ggaaactctg	gtggaggctc	gcagcggttc	tgacgtgcaa	atcgatcgtc	aaacatgggc	240
atgggggcca	aagacttatc	gaaccttcta	gtagctgggt	tccgccgaaa	gtttccctca	300
ggaatagcan	gtgttgaaact	cagttttatg	aggtaaagcg	aatgattagg	gactcggggg	360
cgctatatattg	ccttcatcca	ttctcaacct	ttaaatatgt	aagaagctct	tgttgcttta	420
tttgaacgtg	agcattcgaa	tgtatcaacc	actnagggtg	ccattttttg	gtaagcagaa	480
ctgggcatg	cgggatgaac	ccgaaccgcg	aggttaaggt	gccagagtag	acgctcatca	540
gacaccacaa	aagggtgttag	tacatcttga	cagcaggacg	gtggccatgg	aagtcggaat	600
ccgctaagga	ctgtgtaaca	actcacctgc	cgaatgtact	agccctgaaa	atggatggcg	660
ctcaagcgtc	tcaccatac	ctcgccctca	gggtagaaac	gatgccctga	ggagtagggc	720
gacgtggagg	tcagtgcga	agcctagggc	gtgagcccgg	ggtgaacggc	ctctagtga	780
gatcttggtg	gtagtagcaa	atacttcaat	gagaacttga	aggaccgaag	tggggaaagg	840
ttccatgtga	acagcgggtg	gacatgggtt	agtcgatcct	aagccatagg	gaagttccgt	900
ttcaaagggtg	cactttgcac	cgtctggcga	aaggggagcc	ggtcaatatt	ccggcacctg	960
gatgtgggtt	ttgcgcggca	acgcaactga	acgtggagac	gacggcgggg	gccccaaagca	1020
gagttctntt	ttnttcttaa	accaagggn	tt			1052

<210> 1184

<211> 640

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(640)

<223> n = A,T,C or G

<400> 1184
gttgatgcc ctgccccta atctgaaaga agcaatggag ttagatgacc actacaacta 60
cttaggctct ggcggcagcc tgaacttgaa ggatttgcaa aagacatttt tcaagacggg 120
tgttttacag atcgtgtcag ctcgatctcg gccagatgct ttcacgacag aacaaacagc 180
aagcaatcct gctgaagcac accccggaat tgtcgacata aaggtcaca aggtgggctt 240
gctttggcgg aaggatgcaa agaaacgcaa ggcacggctt ccttggcagg aatggggagg 300
aattctcacc ggggcacaac tctatttctt tcgaaacaca ggctgggtta agtcacttat 360
gcaccagtcg ataccatata aaagcagggc atgatggcat accggtgatc ttnaaccac 420
actttaagag ttcaaaccag atgggcctat gtctacntat gccgaagttg cttttatgat 480
gccggttata agaacataaa atgcttttgt atacgtcnac aaggtgggct ggaaaaaggc 540
ttttggnnac aatgaggnga gatgaatgac tgggttcgcc aacntaaata tgcagccgcn 600
ttccggacca caagggttaa aaaccccggn tcctgggccc 640

<210> 1185
<211> 637
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G

<400> 1185
gtgagagcct tgctcanaac gttgttgctg cagccaacaa cccctttgcc aggacaacga 60
ttctttatct cttcgagggg cttgccaaagt ctctattccc cccagccag tcattcgagg 120
ttgagattct caaagagggt cagcagatcc gtcagacaac gagtaagaag gatgaggaca 180
ttcgccgcaa tgaactcgtc actgctattt cgctcagct catctctgtc attggtgagg 240
ttccttccna acttactgcc accgcttttg gctgccaaatt tgtcacagat gtcctcctct 300
cgggagttgg tgacaagcag caggctcttg aggccatcgc ccagtcagcc agtggaacc 360
ccagcgagga accagcanat gatgatcttc agccccaggt acacatctca aggactcccc 420
acggtggccg catgctgaag tcgctgatcc aaggcgcaa atacgacaag gctgccggca 480
agaatatccc cgttgacctt ctttcgagtt cttcaacgtn ctctaccagt ntnaaggaca 540
cattattgga ctgggccccg gaccancta ttcgtgttcc ttggcttttg aggccgcgaa 600
ntttggaaan aaccgatgcn ctcaaaanac ncttaaa 637

<210> 1186
<211> 637
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G

<400> 1186
tgatgctgac aaccaggatg aatctgagct cantcttgct ctgcgagacc tcgagctgga 60
catcctccca ggacaaaagg tcgcaatctg tggctgtaca ggaagtggaa agtctactct 120
gatactactt ctctacgac tcctggaccc tctctcctnt tgttctgcta atatcaagat 180
cgacaatggt gacttgcatg ggattgaccg cgccactctg cgcaaacaaa tcatatgcat 240
ccctcaagac gcagtcttcc caccggatgg aagctccatc aaagccaatc tanaccctca 300
caatttagtt acagacgcag agtgcttcag cgttcttaac acagtccgtc taaccaantt 360
tgttcacgac aagggcancc tcaacgcagg catgagcgcc gaaaatctca gtgctggcaa 420
aaacagnttt tcagtctcgg gcgacaattc tacgtcgtcg agctcganat aggggcnaaa 480
aanaancaag ggggcttgct tctgctggat gaggggagcc acagcggngg acagaattac 540
agaccgggag atgccaagaa natcatnaaa anatgagttt gagagttntt ctnttatcat 600
tggnttccca tcgggtngga natggttggg aaantct 637

<210> 1187

<211> 702
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(702)
 <223> n = A,T,C or G

```
<400> 1187
cttgtctatt ttcttagtgc ttctccaaat ataccagtcg cttactgata agctggacta      60
ttaaaaagtt gcctttccct cctttcttcaa catcagcttc cgaaacttga gcgtgggtctg    120
ttcaaccccca ccttcatagg ctatattcat acagtcttgg gctgctttgc gagacttaaa    180
aaagcttctt cttcatttcc ctagccagat tccagagatc attcaatcct tctcactgag    240
cattaaacca tgtcaacccc ccgtgttttc ctcattcgcc acggtgagac agagtgggtcg    300
cttgatggtc gtcatactgg cctgactgac atccctctta ctgccaatgg tgagaagcgc    360
gtgaaggcaa cgggaaaggc tcttgtcggc ccggaccgtc tnattgctcc caagaagatc    420
gctcatattt atgtatcacc ccgaaagcgt gctcagcgta catttgaact gctcaatctg    480
ggacttagcc gtcctctacc tggacaccac acggcgacac cctgatggga ctggcctgca    540
gtgtgaggcc gaagtcaa atgacaaatat atcccagagt gggactatng tgactaccaa    600
agaatcacat cttctgaaat tcgcaaganc aaaaccnnaa aaggggatca aggggtcctg    660
ggatatattn gaaaggatgg tgtccncgtg ganaaanccc cn                          702
```

<210> 1188
 <211> 671
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

```
<400> 1188
antaaattca tctctctcaa cacacaacaa cacaacttct tctccttaac aaccacaaaa      60
accatccaaa atgtctctgc actaccttcc tcccgtaag cctcgcgcca tcgctctggg    120
cactgctttc aaccacgggtg ttgagctcgc cgtcctcgcc cccatcttcg gccagacctt    180
ccagcgcgcc aagtctctcaa acaccaagga ggagttcatc cgctccaagg aggcttcttg    240
tgctgccttc gcctgggggtt cttccctgac tggctctgcc cttcaggcct acggtgtcgg    300
tgctctcatc aacgccactg gcaactctcac ctacaagggc gctgcttacc tcggcgctct    360
catcttcttc gccacctctg cttccggcta cgtctctcag atcttcgctc agaagcgacc    420
tctcgacacc gtcggcgta gctgcttacc aagctcgttg agaccntcgg tctctccgtc    480
ttctcactt ggtggggaac ccgaaccaac cctttggagt aagggaactc ctatgacgaa    540
tggtttttaat ctncatgctc nggatgggtt ttcataaaat tngtatancg aggcctcggc    600
ccgggtgaga agtaataagg acnggaatga cntataaaaa gcaataaggc aatattccaa    660
caaatgaccn t                                     671
```

<210> 1189
 <211> 851
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(851)
 <223> n = A,T,C or G

```
<400> 1189
taccggtacc gctttgcaca gcactgcacc atatcgacaa aagagagaag cacggcattt      60
ccttgctcct caactacaac gtcagcgttc cagtataaaa tcaccttcgc catgaaccct    120
```

caccagaaga	acaagggtcga	cgtaagtc	ctcactcccc	aggaacagcg	tctcttccgt	180
ctctacggca	agctgccctc	ccgatccgac	cacttcgcca	agcatctcaa	ggaccgcaag	240
tatttcgact	cgggtgacta	tgccatgtcc	aaggctggca	agggcgacgg	cgttgatgct	300
ggtgcgctcg	gctctcagca	ccccgtcccc	gagaacattc	cccacctctc	ctccccagng	360
aacggctccg	gaaccaacgc	ccccaaagcac	cacggctccg	tccccggcat	tcaggcaggc	420
agccctatca	aagagagcag	cttcctcaag	agtgaacca	gcgtcgatga	gtctcaggga	480
gacgacgtcg	acaaaccna	gggtacagac	actgctgtg	cacctgagcc	cgttgccgcc	540
gggggcgaag	gcattcccat	ccgaagatag	aagaacaagt	cgtaataaca	tgggggaaaa	600
acacaaggcg	ggttgcaata	ggaacaaccn	catgancctt	ttttatcatt	gggtttttta	660
ttatggccna	acacgaantg	gnggtttgtc	gaantttngt	gccgtgggct	tanaaggga	720
tggcanantt	gttttgacga	cttacnagga	tcccacaatt	tgcntttggg	aaangggaaa	780
aaaatttggg	ttggncccca	aaagggggaa	nntttttatt	tgnaaccctg	aaatangta	840
gggtgggttta	a					851

<210> 1190

<211> 537

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)... (537)

<223> n = A,T,C or G

<400> 1190						
atcaaccgtc	gagcgaacaa	caacgtccac	gatgtccgcc	gtccgattca	cccgcgctgc	60
cacgcgcgct	accgcccagc	ttcgcgctcc	cgcccagcgc	cgatttgcca	gcacacagaa	120
cgagttcatc	aaggagcgtc	agcaccatca	aggagcacgc	tgctggtacc	actgaactct	180
ggaagaagat	ctctctctac	ggtgtcgccc	cctgcnttat	tgccgcgggt	gccaacgcct	240
actggctctg	gaacgagcac	tgggagcact	ggtctcacat	gcctcctctg	gaggagcgca	300
ccgagtaccc	ctaccagaac	atccgttcca	agaactacca	gtggggtaac	ggagacaaga	360
ctctcttctg	gaacgacgag	gttaactacc	acaacaagga	caaggctcgc	taagtatgat	420
ctgttgatag	ctcatacgtt	ggacaattgc	tggatcgctn	ctttaaggac	tactccctct	480
ggagatgctt	cgtacatggt	ccctagactc	gaattggact	gatngttgaa	naaaaata	537

<210> 1191

<211> 603

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)... (603)

<223> n = A,T,C or G

<400> 1191						
aattggacaa	cgcccggggc	atgcaaccgc	cccaggagtc	gcgccttctc	tgtcctctta	60
ccattcccga	acaaccgcga	atgagtcacc	cgctgttggt	atgtccatga	acatcccac	120
tctgacgccc	aaggcgagc	cacagcgctc	cgccggaaca	ctaagcaaac	tgagtggcta	180
ctggaaaggc	agccagctgt	ctggcacctt	ctcaactctt	cgtggccggg	gccccagtgc	240
acagaacggt	catatctatg	aggccagtga	ggcacacgac	agtgtgagg	atgtgaggga	300
gattatcgag	cggcaggata	gggatgctga	ccgtctcaaa	aatgtccgag	catgctgcga	360
tggcaagcat	gatgttgga	ccctccacct	tacctctaag	cgaggccgtc	ctggaaacaa	420
ccacgcgcac	tctacgcact	ctcagcctgg	acttacacac	tctcatacta	ccatgtcttc	480
tgtacgctct	cgagtttaag	cagacgcata	catatcacia	ctattccgtc	cctgtaata	540
cctttgttga	ccatttcact	ggttgtcaaa	ctcacctggt	acgatcgaca	tncttacgga	600
ctt						603

<210> 1192

<211> 594

<212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

```
<400> 1192
ttggactata ccttatgtcg ttggtgatat acccgttcct ttgagggcca tgacgtgtac      60
tgctgtaggc aagaactcat cgtgtttggc ggaggtgacg gtccggagta ctacaacgat      120
gtttatgttt tggatacaac aaactttcgg tggacaaagc cgaagattat aggagacaag      180
atgccctcaa agcgaagagc gcacactgct tgtctttata agaacggctc ttacgttttt      240
ggtggcggtg atggtgtccg ggccttgaac gatatatggc ggtagatgt tgccgatgtc      300
aacaaaatgt catggcgact ggtttcaagt tccgataagg cgagtcctgg ggaccaaaga      360
ctaccgtccc aaagcaagag gttatcacac ggccaatatg gtgggcagca aacttatcat      420
ttttggtggt tctgatggcg gtgaatgttt tgacnacgta tggggataac gatgttgacg      480
cgcaagtgtg gaaagcagtg gccatacctg ttgctttccg tcgcctgtca catacggnga      540
caatagttgg ctcatatctc ttcgttatcg gtggacacaa tgggagcgag tatic      594
```

<210> 1193
 <211> 1020
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1020)
 <223> n = A,T,C or G

```
<400> 1193
gtttgttaca tagtgaata gcgatggagt tctctttact gtgtttgttg tgtgtattga      60
cgccagtaat ggcctcgttc cctggaggct ttgagcttcc gtcttagctc aaattctctc      120
ctcctctcgc gcgcagataa ccccgttagc aaagacggca actgtggctc taattccgat      180
ttcaatgcaa catgcctcac atccactttt ggtaactgct gttctgaaaa agggttctgc      240
ggcaagactg tggcactact cgccgaaggc tgccaaagtg tgtttggtac ctgtggaaca      300
ggtagtgggc agcttgttag tacctcagga tcttgcggtg cgacatcctc tagcaacatt      360
acatgtcaag gaagcgagtt tggaaactgc tgctctgana agggctactg tggcaagact      420
tcgacgtatt gtggtgctgg gtgccaaagc gggttcggta cttgtgaatc cgatgatgag      480
tcctcttcgg ttactacagc cactacagca actcgtgaga cttcaacctc gatagcagca      540
tcagaaacga gccttggtgc tatctctggt gatggtaact gcggatccaa ttcaaacatc      600
agcgccatct gcgaangcag cgagtttggt gattgctggt cgaaaaaggg atactgtggc      660
ggaagctcga actattgcgg agcgggctgc caatctgaat tcggttcctg cgattcgaca      720
agctcatcag caagtccatc atctagctca gaccgcagaa gctcaccact aagctcagac      780
tcgacaagct cgtcnacagg ttcccttagc accggtgcca ccggttgga tcgcgatcgg      840
gtctgttatt ggtggcctcg gattgataag cttctancc tggtttttga tacngaagaa      900
naaacgaaag ccgatatccc agtgatggaa nttngtgaag aaaaaacca caatgccccn      960
aagtntgaac tgaaanggga aaatcatctg aattaaatgg aagaaggacc ccgctgaatt      1020
```

<210> 1194
 <211> 360
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 1194

gtgccgnttg	tcgagcattg	gtgcgccagg	tccagagcct	gatcaaggag	cgcagccaag	60
aggacgacca	ggtagactac	accaagcttg	gcgcgcacga	gttcaagggtg	cgggaaatgg	120
aacagcaagt	cgagatcctc	caattggaga	acgccttggc	atcggctcgt	catcgtttgg	180
gcgagatgcg	gaagatctct	taccaggaag	agtaagggtg	tgaatatggg	cttgntgaca	240
ggtattcgng	gtattccggg	gccaaagagt	gttncggctg	gccttatcat	cttgaggtag	300
atgttcaaat	taagacattt	aatcgcaggg	attctttgca	taanaaaaaa	natggtttaa	360

<210> 1195
 <211> 1424
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1424)
 <223> n = A,T,C or G

<400> 1195						60
ctcaattgtg	actattacat	tcattttcgg	ctttgccatt	acgatcattc	cagctctaca	120
gcaacttgcg	ttttctcgcg	tttcaacttg	aatactttct	ttagtgaagc	aaaactgtgt	180
cttgcttgct	acctgaactg	tggaatcgat	ttctacagcc	attacatcgt	atctacgttg	240
tcatagacaa	aactgaagct	accgcaaaaa	acctacatac	ccaaccttca	aaatgaagtc	300
cgctgcgcgt	agcatcggca	tgatcgccgc	cgtggccaac	gcctaccagt	tccccagca	360
cgcccactac	cgccgagact	acaacggaac	cgactctcag	accactctga	ccgtcaagac	420
caccgtcgct	gagaccatca	ctagctgcgc	ccccaccgtc	accaactgcc	ccagccgtga	480
ccagactgcc	attgctcagc	tccctgagtc	cgacaagaac	accctcactg	cgacccacac	540
cgctatcctc	actgaagttg	tctgtcccgt	ctctgaagcc	agctccatct	acacctccgt	600
ccttcacgat	gccgaaaatg	gtgggtgttac	tggcaagacc	atcactgctg	aggggtcccat	660
gaacactggc	ggtgcttacc	cccctcccac	cgagaagact	attgtctccg	actacaccac	720
tgatcagggt	gttactctta	cccagggtga	ggagactatc	accaccacca	tccacaagaa	780
catccagaag	actctgaccg	tccctgctgg	ccctganggt	caccaacgac	gggtccaagg	840
gcaacggtac	ccctgaggat	gacaccacca	ccaccaccac	caagaccact	actggcacca	900
tcaccaagac	catccagcgt	gttgatgaga	ccggccccgc	taccggtggt	gacaacggct	960
acagcactgg	taagggtgag	ggtgaggacg	atggctccaa	gggtaccggc	aacggtaacg	1020
gtaacagctc	caacaacggg	ggctccggct	ccggctccaa	caatgggtgt	aacggcaacg	1080
gtgagtgtgt	ccctgagact	gtcacccgtc	ccgctcctgc	ctccactgtc	tatgttactg	1140
ttgtccctga	ggctgccaa	accaacgggt	ctgatgacct	tactgtcact	ggcaaggctg	1200
ttgagggtga	tgactcttaa	ggatgatnat	naaggacgac	tccgccgagg	ataagatctt	1260
gcgacaccac	caccaccctc	gacgctaccg	gtcactgtcg	tccctttacc	cccgttaacg	1320
gcactgctac	cggtggctac	gccaaagcca	ctggcttctn	tcgccgtctt	cggtaaagtgt	1380
ncacggacaa	cttccatgta	tatgaagtct	tgtcagtaca	ttaatcacca	ctttgggttac	1424
ttntttgggt	aggcatctan	tgaagaaaag	gcttcctttg	gata		

<210> 1196
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1196						60
aagttccgac	taccctcaag	gacatctcct	ctgtccctga	cgggtactgcc	ggggctcaag	120
ccggactcga	cnataaactt	gcggggcttt	cgctgtcttc	tcgcgcagtt	catgccgata	180
atggtatcca	gtcacacagg	gcagttgcac	cggntatgca	tgtcagcacn	actttcaggt	240
acagcgacca	ccctgatgcg	ctgagggtcct	gggataacac	tgatcctnaa	aacctctcg	300
actctnatgt	ctactccaga	gcaactggtc	caaacactac	ccgctnnaag	ctgtcttgac	360
atccatcatt	ggtgctccaa	ccgtaactta	ctcgtgtggt	ctatccgctt	tcacgccatg	

cttacgactt	tcgnagcgtg	ctggttctac	atcgatgcc	agaaggaccc	tacaggcagn	420
actncaggat	ggngacatnc	attaccaaag	agtgctgacc	tcatnttcag	gagggtcaagg	480
aggtggctaa	tgggccgttc	atthttggaca	ttaatggngg	ccccgggctt	tgnccttgct	540
aanaccctgc	aggcaaaaat	tcnaggttgg	gttcttttca	acctttttaa		589

<210> 1200
 <211> 693
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(693)
 <223> n = A,T,C or G

<400> 1200						
cgctcccaag	ggagatgcta	tcactogcgg	atctgctgtc	cagaagaaga	accctctcaa	60
gaacaagcag	gtcatgcttc	gcctgaaccc	ctacgccact	gtcttcgctc	aggaggctca	120
gaagaagcag	aactaaaagg	attcccgact	tgctgggtgt	gcagcgggtt	tttacggaac	180
tgaatgacgg	gtctagcatg	gtttgatata	gaggcntaat	ggcttctttg	aagggttgagc	240
tttcttaaaa	atgaatcaga	gatttgatat	gaattacacc	aaaatnaaag	tgggccccat	300
cctcgacctc	ctccctcttg	gttactccaa	ggctcctcga	aaggggcgtc	tccctgagat	360
ccctctggtc	gtccgcgccc	gctgggtcag	ccgcttgctg	aggagaagat	caagcaggcc	420
ggtggtgtcg	ttgagctcgt	cgcttaagcg	aagcatcgca	actgttctgt	aaatgcttga	480
ggagtcgggt	gggcttgat	gggaaattct	acaaacggaa	aacaaaacct	ctccaacccc	540
ggtgaaaaac	aaagcctgcg	ggcactggag	aagaaaagg	ctccctgcgc	tggggaaga	600
tgggccaggg	acctaggctc	gtcggcttcg	ggcattgcat	cagggactct	tgcacggagt	660
taacgaaata	aaaatcgatt	ttcgcccatg	att			693

<210> 1201
 <211> 363
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(363)
 <223> n = A,T,C or G

<400> 1201						
cccgagcgtc	cgtctctcca	cgctattgtc	caggacacgt	tcgatcccaa	cgcccaggctc	60
ataccgccac	tatcactacc	actaccacta	ccactctcgg	tagacactct	ccatatctct	120
ccatctcgaa	atcacatccc	agtctgtcaa	catggcctcc	cgacaacctc	ccgctggcgc	180
ccgcggcacc	aacaccggtt	tcgcgcagtt	caagctgggt	cttctaggcg	agtctgctgt	240
cggaagaggt	tcaatagttt	tgcgatttgt	caaggaccaa	ttcgattcct	atcgcgagtc	300
cactatcggt	gctgctttcc	tgactcaaac	catctccctc	aanaaaaaaac	cccgggtcaat	360
ttc						363

<210> 1202
 <211> 501
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 1202						
gggaccagga	aacaacatcg	gtctcctggc	agcaaagaca	tgtgccactg	gagtgcgagg	60

ccgatattac	ggcatcgctg	ccgcagttgg	taaaattggc	gcttttgttg	gaacatacgt	120
gtttccgtac	atccaggctg	ccggaggaaa	caaaacacaa	agcgcacagt	atcccttctg	180
ggtgtcatcc	agtctttgca	ttctttccgc	actgattgtc	tttttctgca	tcccgcata	240
cggccaagat	acaatcaccg	ttgaaagacc	aaaatttcgc	cgaaatattt	acaaaacagg	300
gctgggacac	ggctccaaat	gggcctccaa	tacactgata	tccaaagcag	gttaccaggt	360
gactcccaga	actgaagaaa	attaaattga	ctttatataa	atcccgattt	gcnctgcata	420
ttcccattac	naagggagca	tttgancctt	ttcatcggtt	nttgcaatc	caatttttnt	480
ccttttaacc	cccggaatac	c				501

<210> 1203
 <211> 623
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 1203						
tttttttttt	gttcgttgaa	gactttgnga	tctattttcc	cttttcagac	ccgtctccca	60
tgatcagatc	cctaaccgta	atgtcgatgc	aagcaatccg	aatagactcc	acgtgtcgaa	120
atatgacttt	gtttccatcc	acgcgctctt	cgttaagaa	cggggcttct	ccttcttctc	180
cttcacaga	gcaaggagac	cgacaccaga	gaccttgacg	accttgaatc	gcacaccggg	240
aatatcacc	ttggccttgc	ccttgcgcaa	cacactttta	caacctttcg	aagtcttctc	300
tcaccaatac	cttcaacatg	tctccctgct	cttgctgtaa	ccacgcgcag	gcttcttgca	360
ccagcgcttg	ctnttgctgc	agcactaaat	tccttcttat	tattaatgcc	tgacaacact	420
tggtttacaa	ccacngtcgc	gacaatgtct	tctttgacac	attgaggaac	attcaggaac	480
aaagcctttg	ctaagcaagt	cggacagata	tgagaatgga	aacaatgaat	agaaatggna	540
caaaacatgc	gaaaagtagc	tgtgacggcc	aattttcgat	ggtagcgag	nggtagatac	600
aaaatggaac	ttgcattgcc	ttg				623

<210> 1204
 <211> 626
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 1204						
ctattccaaa	gctcttcgaa	gcagccacca	attgagtgcc	gcgacaacac	cacaagaatt	60
ctcaaaagac	ttcaaaatgg	cctcaattgc	gcgttcctct	ctgcttaggc	agaccgctat	120
ggcttctcga	ttggccactg	ctgctgtccc	cgcgaccgga	agcgctttca	tgcttagcat	180
ccgaactcag	cttaagagcg	ttgctgcttt	ccacaacacc	acccgacgat	ctgctattct	240
ccctcccggga	cctcagcgca	ttgaggggtg	agtcaacgat	cctgctcccg	ttcccagagcc	300
cagctccact	cacggttcct	accactggac	tttcgagcgt	ctcctcgccg	ccggcctcgt	360
ccccttaacc	gtcgctccct	tcgctgctgg	ctccctcaac	cctaccctcg	acgccatcct	420
ctgcagtgtc	ctccttcttc	actcccata	gggtttccag	caggtcgtca	tcgactatat	480
tccctcaagg	aacctaccct	ggtctccgca	agaacttcaa	ctggcttctc	aatattgcta	540
cggttcttgt	cggcggtggga	ctgtacnant	tcganaacaa	cgactttggt	atcaccgaag	600
ctgttcogaca	agtttgggaag	gcgtta				626

<210> 1205
 <211> 720
 <212> DNA
 <213> *Fusarium venenatum*

gatacaaaaac	notcaenggc	antacttgaa	ganaaagant	taccagccct	tccctttcta	540
nacttgntgc	caanttgaat	atgcacttgc	aaaggcgaat	aaaanaaatt	tgctgggtg	599

<210> 1208
 <211> 581
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

<400> 1208						
cttgactctg	tacaacaagc	tggtcctcgg	aatgttccac	ttcccgtggc	tccttacttt	60
cctccacgct	tctttcgcca	gtactggcac	atatctcatg	atgcagatgg	gttacttcaa	120
gctctctcga	ctgggacgcc	gtgagaacct	cgctctcgtc	gctttcagcg	ctctctttac	180
tgccaaacac	gctgtctcca	acctgtctct	agccatgggt	tcggttccct	tctaccagac	240
catgcgcgatg	ctgtgcccga	tcttcacccat	tctcatctac	cgtgtctact	acggccgtac	300
ctacagctac	atgacctacc	tttctctcct	tccccttatt	atcgggtgctg	ccatgaccac	360
tctcgggtgag	atgagcttca	ctgatgctgg	tttccttctc	accattctcg	ganttggtct	420
cgccgctctc	aagactgttg	tcaccaaccg	attcatgact	ggctctcttg	ctcttcccc	480
aattgagtcc	tcctccgcat	gtctcctctc	gccgctctac	aggetctggc	ctgcccactg	540
ccaccggtga	agtcagcgct	tcacaaaagc	tcatcacctc	c		581

<210> 1209
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 1209						
tttcaaagtc	cgatcagtag	cttggaata	ccactgatca	aaatgacaca	aacacaatca	60
accgacaacc	cggagacct	tcctctcccc	cgcattcttt	gtctacacgg	cggcggcgta	120
aatgcagaag	tctttgaact	acaatgccga	gttctcatca	agcatctgag	atcttctctg	180
cgttttgtat	ttatgcaagc	cccatttatc	tcggctcctc	atccagacat	tgtcagcggt	240
tacgggtgaat	acgaacctt	tcggcggttg	ctccgatggc	aaccgacca	tgaggagatt	300
gagccgagg	ccgcgcgcga	gttgatccgg	gaccagacct	gccgagccat	ggatacagat	360
cccgggaccg	gagagtggat	cggcattctg	ggtttctctc	agggcgcaaa	gattgctgcg	420
agtttattgt	ggacgcagca	aaagatcacg	gagcaattcg	gaccagatga	aagccttgac	480
tcaattcaag	gttggggtgg	ctcatggctg	gaagaagcac	ctntcattac	actgggacca	540
ccgactggaa	caatccacca	ccaattgggt	acgccggcca	tgctgagctc	aaaagttcaa	600
ggactggggc	tgagtccaac	aaaggggaa	cat			633

<210> 1210
 <211> 1027
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1027)
 <223> n = A,T,C or G

<400> 1210						
aaatacttgg	ccaatnggcc	tcttcctttt	cctcttttcc	tcctctccga	attgtttctc	60

taaccgccat	gcggtttcttc	cattcgettc	tctcctttgc	cttgcttgc	acaggcggtg	120
tggctgcaaa	aaantcctcc	gccgagcgat	tcaacgaatt	ccncgccaaa	cagatctcga	180
cgcctctcaa	gctcaaggat	tccacctaca	agtccttgac	atccacacct	cgagactaca	240
gtgttgccgt	actccttacc	gctgccgatg	cgcgattctc	ttgtcagtta	tgccgagaat	300
ttcaccctga	atgggaactg	ctaggcaaga	gttggaaaca	aggcgacaag	gcagccgaat	360
cgcgactggt	ttttggcaca	ctanatttcg	ttgacggtag	agataccttc	atgtcgcttg	420
gtctctcaac	tgctcctgta	ttgcttctat	tccatcctac	ggtcgggtccc	catgcatcag	480
ctaagaagga	acccgatcgc	tatgacttca	acactggacc	tgcatccgcc	gaacgagttc	540
agtcattggc	cgtcgtttct	cttcctgacc	gacctcacc	tagcgttaag	cggcctatca	600
actacgcagg	ttgggtagtc	tccatcactg	ctgtaattgg	agtcctcact	gcggtcatgg	660
gtgcttggcc	ctacctcgct	ccaattttca	aaagcccgtg	aatctcttgg	gctgctatct	720
cccttatggt	tatcctgggtg	gtcatcaagt	gggcatattg	ttcaaccaca	attcgcaagg	780
gtcctttatg	ttactgggtga	tgggcgcggg	tgggatcaac	tacattgtcc	caagttttca	840
agcagcaact	tgggcttaaa	gacccaaatt	ggggggccgg	cactttaatg	gngntctgtc	900
attctgcggc	atactcttgc	cattaaaggt	ccgncgaatc	gctgatgcc	agactaacia	960
gtcgccgcaa	tcgggtttng	gggggcttct	tctttcttcg	ggtacaagct	tnttggttga	1020
gcgnggt						1027

<210> 1211

<211> 654

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 1211

gacataacct	gaacaagagg	gaattccctc	agtactcggt	atgtgaagct	atgagaatcc	60
tccgcgccgt	tgaggtcggc	gaaccccccg	cttcgatcaa	gtacgagcta	cacatcaacc	120
tcaaaaccgc	ccgtaacggc	cctgtcatca	agaacacgct	ccgtctacct	cacctgtctc	180
aaagcgattg	gcaaategcc	gttgtttgcc	ccgaaggcag	cgagatcgct	cgtgaagcca	240
ccgccgcagg	tgctgtggcc	gttggtaag	agaccctctt	cgaagccatc	cgacaagaaa	300
agatcaactt	tgaccgactt	atttgccacg	aagccagcga	ggctgcctca	acaagggcgg	360
tctgggaaag	atcctcggtc	ctaaangnct	aatgcccagc	aagcgatgc	gaaccattgg	420
tnccgatgtc	gncaagncta	tgcgagactn	tggcgngct	ggcgaatatc	gngagagana	480
aggnggtatt	cgtctgggta	ttggacaatt	gggatactng	nccgacaggt	taaagaacia	540
cattaaggng	tgnttgggca	anatnaagga	gaagggaccc	ggaatttaaa	aggagggggt	600
taaggaagtc	catgagggtt	ttttanaca	acaaatggac	caggtnttaa	cttn	654

<210> 1212

<211> 640

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(640)

<223> n = A,T,C or G

<400> 1212

cctacatcaa	caaaaccgaa	cctcacaacc	atcctcacia	tgctctgtca	acgatccgtc	60
ggtcgcgctc	cttcgcgccc	taccgcgct	gcttctgtc	ctaagcccca	gcagactcga	120
cctgccgcca	ccacgctgc	tccgcgggt	tctcaccctc	ctgcccaggc	tatgcctcct	180
caggctgccc	gttctcagg	tcctggactt	ttcgggtcaa	tggccaggac	tgctgccggt	240
gtcgtatcgc	gttcctcagt	aggccatgcc	atcgggtggt	tgctcgggtg	ctcctccgag	300
cccgcgctc	ccgtccaggc	tcaagctgct	cctcaagagc	agtcctggaa	ccagaacaac	360
tgcgcgggta	ttgccagaac	tttaciaagt	gcatggacga	caacaacgga	aacatgcaaa	420
tttgcaactg	gtatcttgaa	caagctcaag	gnttggcagg	ctgcttctag	ccagtaagcg	480

ttgacttggga gattatacga ataaaaagac ttgggtatcat tatnnggaaaa ggaaacaaca	540
tcnnggggata aatccctgac aagcgggtgtg ctaatagaaa nctggtagga atactatgnt	600
acatntcgac caanccaatt ggттаатаса ааасаагаан	640

<210> 1213
 <211> 598
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(598)
 <223> n = A,T,C or G

<400> 1213	
caacacaatt caacatgacg acaaaagtтт ggagccgaaa cacacaagcc ggtgctgctc	60
tggagaaaagt ccaagaagcc attcnaaacc ctacagcagc gttaattcca aagccgcctt	120
ctgaccttga tgagatcaag gctgatagcg attcattcac tttggcttca ttcaccacgg	180
aggatgctтт cgagcttggc aatcttntat acgcccgcct ctaccctttc gctcttgagg	240
gcaagccaac agtgatttca attgctctcg caaacacttc tcaggttgtc tttcagactg	300
tgactggacc tggtagacg cctgacaacg agcaatgggt ccgccgcaag anaaacacag	360
tcctcagatt cggttgacg acctggттта tgcacaacaa actcaaaggc gatgaggctg	420
cctttgctgc aaagtatgct atcgccgact ccaacaaggg cgactacgct atccacgggg	480
gagctattcc таттсгттсг cngggcgттg aggnaattgt agctgntgcg ttngnagtgg	540
actgaancag gatgaggatc atggagтттт tggaaacgtc atcaaaaata ctggaact	598

<210> 1214
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 1214	
tcttcgacgg gttcaatgag tacaatttca acatcgatgt catggcagcg gcatacgact	60
ctatgaagca aggtcttaca cttgtcgaac aagagatgcc tgcattctatt tcattccaag	120
tgcccgatca gtatcacaag cgcattcatcg gtattggтгг ccagcacatt caacgcatca	180
tgaagaagca ctсagtcttc gtcaaattтт ccaacgctat ggatcgagga ggcatgggtc	240
gggaagatga tgacatcaag gtcgacaacg ttatctgccg cacacctgcg cgcaatgcgc	300
agaacctgga cgctgtcaaa aacgaaattc tggagatggт tgaccgcgct gattctgagt	360
acacctctca gattgtcagc gttgacgtct ctaccatcgc cagctcattg ccagactccc	420
cgatatcgat ggtttggaca gaagtacact gcaagatcaa cttccctagt actgancagg	480
ccagtgatga agtgactgtc acggтсctca gtggcaggтс ctattgtgt caagaatcct	540
gggtntggтс ctgataagca caacttgtcc tgctagaacc cngaattga	589

<210> 1215
 <211> 644
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 1215	
aaacgaagac cgcancctgc gcgttgacgg tcagcgatgg ctсactттта tgaacaagga	60

catgaactgg	ggctacaaga	cgacgcctca	ggaattcgct	gatagccgag	agctggatta	120
ctctcgcgga	aaaggtcttg	gtgggtccag	cgctatcaac	tttgggtgtt	acagcggttg	180
tgctcgtgac	gattacgaag	agtgggcgcg	tatcgtcgg	gatgattcat	actcttgga	240
gaagatccaa	aagagatata	agagtcttga	gaactttcac	ggtgctctac	ctgaggggat	300
tgacaagaag	tatgctgctc	ccaagagtga	ggatcatgga	agtgagggaa	aacttcatgt	360
tgggtatgcg	agtgaagtgg	gagaaggatc	ttcctnccgt	tcttgacctc	tttgaggatg	420
caggctttca	ctgaaccctg	atcacaaactc	tggcaaccct	cttggaatgt	ctggtctgat	480
caactcgagt	cacaagggac	gaaggntac	agctaatac	tggttggaa	ctaacttgag	540
aacttgactg	tattgacaga	ttcttntggg	cagcgagtaa	ttcttnaggg	naacaaggct	600
ntggagttga	agtcaatgga	aagaagtctt	tgntttnaaa	ggaa		644

<210> 1216

<211> 595

<212> DNA

<213> *Fusarium venenatum*

<400> 1216

gatttcgata	catcttcgtc	gctgagggac	cttatgggac	agcgaacatt	acagcatcag	60
tcggatgggt	accctgatgg	cggtgatctc	agcagtggtg	acgaagaagg	tgacgaaccc	120
gatgactcgc	ctaatacagaa	catctatgcg	accagccgag	atccaaaggc	gctgccaaac	180
cgctctcgac	aagctgccc	ccgtaccagt	agtgtctgtg	cggctgccgg	cactgctcgg	240
ggtgcaagca	agagtcacag	tggaaatccg	gcgttatccc	gtgatgatag	ttccgtcgtc	300
actgcgggcg	cggcggagag	tggttacagc	agcagtaacg	agagtcacctg	attctacgtt	360
gatccaatat	gtttgtaaca	tattattatt	ctgcatttca	cgattttttac	ttgggggtta	420
ggtttaatat	agaatgaaaa	aaaccggggt	tcttcacata	ttctatacag	gtcaggggaa	480
aaatttgaat	ctctgttttc	aagggaagg	tgcataagtc	gcatttagct	tggcctttag	540
agaagaaagg	tcatgattcc	ccgggggtact	ctttttatga	gatcaaagg	tgcca	595

<210> 1217

<211> 224

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(224)

<223> n = A,T,C or G

<400> 1217

nancgccaac	tatgctntca	gcgagactcg	caaccctgtg	cgaactctca	agatcgntgc	60
tcctaccgcc	atcatctctg	tgtccatcat	ttacatnctn	gtcaacatcg	cctacttcgc	120
tgtgtttccc	aangncgaga	tcattgcctc	cgagcgtctt	gcctgtcttn	atctcttcgc	180
caacgttatg	ggtcctgctg	ccgagcgcgc	catgtctggc	tttg		224

<210> 1218

<211> 776

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(776)

<223> n = A,T,C or G

<400> 1218

aattnttttt	gttttttttt	tttttttttt	ttttcattca	taaggctctac	cattatatat	60
tttaatccct	gggatgacag	gcgatattgt	ttattgtcaa	ggactttatc	tccataatta	120
ttcagcacat	ctgcaaccct	gaacgnggat	ccaaacctaa	cccagctatt	atgcanacgt	180
agggtaggnt	tagnggcaac	tntaatgaac	caatatntca	ttcctcctta	agctcaggag	240
taacggccca	gcgccttcca	taaaanacag	ngcccaaaag	ctganagcca	acgatgtntc	300

caaggtagn	tccaacaaca	atngtaacgg	gccanttttg	ccactcacga	tcccagtcga	360
nagggatagg	aacggttcca	agccacgctc	caaccactgt	tccgagaaaag	ccgccaaatg	420
tctgatcgaa	aggagcanac	acgccaacaa	cagcctgtag	gggaacggga	tccgatccgc	480
gaacgtanaa	nactgggtat	atcgcgagga	cggcaatgtg	agcgcanac	aanaatgtgt	540
ggggagcgtg	agtaaggaac	ggcncgcca	aaaggacgag	taaantatgg	agggcgggcg	600
tcaggatgag	tgccaaaaaac	aaanaaataa	cagnngtagg	gaaagacttg	cttccttccc	660
gtcagacttt	ttttttaccg	ggacccgggt	tnttanatga	aaatgaaaac	cccgtggagg	720
aanactcaca	ttaagtaaac	tgctgaacaa	gancactncg	gaaaaccaat	ttttaa	776

<210> 1219

<211> 452

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(452)

<223> n = A,T,C or G

<400> 1219

gaaaaacttt	gagaaaggaa	gccgagccca	tcgaaaattg	aaagcctcct	tgacgcactc	60
gattcttatc	agtcgttgta	acaacaccac	tatcattgtc	aggggcaagg	ccaaccaant	120
cacggttgan	aactcactcg	actctcctga	tcgttgacac	ccttgtttca	accgtcnacg	180
ttgtcaaggc	tcaaaattcg	ctcttcaggt	tatgggtacc	atccctaccg	ttatgcttga	240
ccagatcgac	agcgcacaaa	tctacttcng	caaggaaagc	ataggaacca	aggtctcaca	300
agcaaactcg	cgggcntcaa	ccttaacgtt	ntctctggcg	aggacaaaaa	tacagggang	360
tgctctcgcc	ccncaaactc	ctcttctnca	acaattccaa	gggananttg	gtcnccaaat	420
ttntgggtccc	cccggcta	acaaaaggcc	tt			452

<210> 1220

<211> 366

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(366)

<223> n = A,T,C or G

<400> 1220

cggaaaaagc	cagcagtctt	gccatcttgg	tcgaccctgt	tattgcaact	ggtggaacct	60
gcgctgctgc	catccaaacg	cttcgtgaat	ggggcgaga	acgaattctt	gttctctctg	120
tcattggagc	taatgagggt	gttcagcgag	ttgctgccga	gtggccggag	ggatgtgaag	180
tctggatcgc	ggcgggtggac	aacgagctga	ccagtgtatg	tatgttgaag	cccggntctg	240
gagatgttgg	tgacaggcta	ttcttgacca	ttggtaaata	agaagcgtca	acgaattctg	300
tttagatgtt	gattccaatt	gcataaacat	aaaggctagg	tagaatacat	ttgntatata	360
ccatt						366

<210> 1221

<211> 202

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(202)

<223> n = A,T,C or G

<400> 1221

ngggcnaata	ctgctcgtat	gctcnctnac	tcgttggggtg	ttgctgggtgt	taaacacatc	60
------------	------------	------------	-------------	-------------	------------	----

atcactgtcg	accttcatgc	atctcaaag	cttggntttt	tcaaagtcc	ttgtcgacna	120
tctacatgca	aagnccatcc	tccaaaatgg	atccgtcaca	acgtgtntaa	ctggcgcgaa	180
gnggttgtgg	cttcaagaat	gc				202

<210> 1222
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 1222						
caccaatttt	cgaactcata	tactgggggt	aaccatccaa	ttggatattg	cgctcagctc	60
anggctggga	ccaagctgtc	aatatgtcgc	tctttctaaa	catgatccgt	gacagattca	120
tcacgatacc	agcacaggaa	gaagactgca	caggcaaaac	attcggtgtg	acaggagcaa	180
acagcgggtat	tggccttgaa	acagtcgcgc	atcttacaga	acttaaagcc	gccaaggtga	240
tcttgacatg	tcgaagtatt	gaaaaggggcg	agcaagccaa	gaaggacatt	gaagaatcga	300
ctgggaagca	aaatattgtt	caagtttggc	atctagatct	cgcttcgtat	gacagcgctc	360
gggaattcnc	ttctcgcgtc	aacaaattgg	agcgtgtcga	tgcttctatc	aacaacgctg	420
gccttctcga	tttcaatcgt	gagatgattg	aaggccatga	atcaatgttg	gctgcaacgt	480
aatatctacg	actctgcttt	cctccttgct	ttgcctgccc	taagctaaca	gcgatgaggg	540
tcaatatcgc	tcctcacctt	gtcattgtat	cttccgaenc	acttttgatt	gccgcctcct	600
ttangngac						609

<210> 1223
 <211> 587
 <212> DNA
 <213> Fusarium venenatum

<400> 1223						
aaaacggccg	atccatgtga	agcccaaadc	gcgacatcgc	catatttaat	acaatacaat	60
acctaataat	aaacgatctt	tcaatatggc	agcttccact	cgaagcctcc	ccagagcatc	120
agtcctacgc	gcctcaaggt	tgacacaggg	tctgacctct	cgccgaccct	tccactcata	180
cgatcatcca	ccaccaccag	gaccatttgg	cgatgcagaa	aattccatcc	tgccgcccgc	240
ctacaagcac	gtacccgaac	tcggattctc	tcagaaagct	ctcggtcgtg	gagcaagaga	300
tgccgggttat	ctcgacatca	gtgcaagcgt	tatccccgat	ggcgcttttg	gcctgatccg	360
ataccatcta	actatccagc	gagaagcttt	ggcagctcgc	agcagggaaa	tctttcctga	420
tacagatcat	ccaagtgttg	cggcaagagt	agaagctctg	acatgggagc	ggcttatggg	480
caacaaggag	attctggggc	gttggcaaga	agcattggcc	gttatggcac	aacccagcta	540
cgttcccagag	tcctaaaaag	acttgccaaa	ctctcagaca	aaatttg		587

<210> 1224
 <211> 312
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(312)
 <223> n = A,T,C or G

<400> 1224						
ccgactccct	caacaccgat	actatcaaca	attacatata	ttgaggggaag	cagaacgcga	60
ataaagccac	catgtctgac	ggagttttga	agcccagaaa	ggacttctcg	aaggaggttg	120
atcagcagct	ccctgaagct	gagaagctgg	ctgcgtcaaa	caacctccaa	ggcgccattg	180
agaancttgc	tgctctcgaa	aagcaaacc	gacaagcctc	cgatcttgcg	tcaacatcac	240
gagtactgat	cgcaattgtt	acctatgtta	aaatgcangc	gactgggant	cttttgaacg	300

acagaccttg gt 312

<210> 1225
<211> 254
<212> DNA
<213> Fusarium venenatum

<400> 1225
cgaagctctc ccacaatggc tcgctgctca gcggccaagg ccactgggtga tgccaggaca 60
aacttttatgg cccctgggtat ggaggaggat aagcctatgg gtcagggtcga gtatggcgta 120
taacgtggtg gttgtaaaag aatagaaaga tctgctttgt tttattgcgt ctgggaagtt 180
cgtagtatgt acatattgga cgtctgacag agggctaaag gtagataagt tgaataccta 240
attccttcgc tacg 254

<210> 1226
<211> 680
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(680)
<223> n = A,T,C or G

<400> 1226
gacgaatcga cgaacgacac ctcaatcgaa accaccactc gtcattgtga attatttcgc 60
ctgtcacaaat gggatatctgg gacgctttca ccgatattgt cgaggctgtg accccatgga 120
gcgttgttga ggccaaggct cctgctgagg agccccagga ggagaacgag tccaagaccg 180
aggagtccaa ggacgagcct gaggaggagg aggaggatga ggaagaggag gaagaggagg 240
aagaggacga ggaggatgag gaggaacctg tngaccccaa ggagaccctc gaggaagagt 300
gcaagaacgc tccccaatgt gcccccgcca agcaccactt cnacgagtgc gttgagcgtg 360
ttcagcagca ggagagcgag ggtggcgcca agnaggactg tgtcgaagag ttcttcacc 420
tcgcccactg tgcgaccgct tgcgcgcgct ccaagctctg ggntcagctc aagtaaatta 480
acatcacggg gttatcggtt cctacgacga tggaatggct acatacacgt cgaaaagata 540
cctgagccgg aacgaggcag gacttttcnc tacggaaaagc tgcttccttg tacgaatgct 600
catctgttgg gtgtcaagtc gtccagaggt ttntntgatg tcggctctct ctgtaccata 660
cgctcttacg cctgaataga 680

<210> 1227
<211> 565
<212> DNA
<213> Fusarium venenatum

<400> 1227
ggcaacggta cctacaaccc ccccaagcct cagcccccca aggagacata ccctgtcccc 60
gttcccgttc ccagcaagcc tgtcaagcct gagcaccctg aacagcctca gcctcctaag 120
cctgagcacc ctgagcagcc tcctcagccc gagcagcctc aacctcccaa ggagaccaag 180
cctggtgtc agcctcctgc cgagactcac cctacctacc ccgttcctcc tcagcccag 240
caacccgaga agcccgagca gcctgagaag cctgagcagc ccagcctcc taaggagact 300
cagcccgttg cccagcctcc tgcctcctcc gctccttcca agcctgtcga gacgctcct 360
gttgttcctc cttctccag caagcctgtt gagacttacc agtccctcct gcttcactc 420
ccactgagcc cgctgaagtt gtcaactctg ctggacgttt ccgtggtagc atccaggctg 480
ctctcttcgc tgccgggtatc gtcgctttct tcctgttaac aaacaatatt tgttattcct 540
tctaagctca tgaaggagca tgatt 565

<210> 1228
<211> 504
<212> DNA
<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(504)
 <223> n = A,T,C or G

 <400> 1228
 ccggtcactt ctaaaactac tcaagatcgt tgtgccagga tggcgcagta aagagtcaag 60
 gctgttgatg agccacagtt tcttcttggt tctcaggacg ctccattagtg tgcgcgtagc 120
 tgagatggat ggtgctatat ttaaagctct ggtgaagggt aacggggaaa ggaaattttg 180
 aaacgtatag tatggtggat gctgattggg ggtcccga ccttcaccaa ctccatgcta 240
 tcatatcacc aaccgagtta tctctgaagt acgatcacgg ctccaccaata tatcccgcaca 300
 aatatctatc caacctgacc ttctatgggc attcggctct ggatgatcga ataaanaacc 360
 cgatcngttg aatgcgggtg angtttcaaa attctcta atcctgcnga gctatacaca 420
 atttanccaa ccncgtnaga tataatatat atactgggtc tttccaaaaa ctcngtggtg 480
 aangtgtctc tcctgtccct tggt 504

<210> 1229
 <211> 640
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

 <400> 1229
 cgctaacgtc atggggcgggt cagtcgttct caatcctcta tcatctcatt acaagactct 60
 caactctcta tttcgggagt ctccaccataa cgagcttttc atcgcagacg cacaagtgtc 120
 cttttccaac tcgagcgatt ttcttgagcg aacgaggatt ctcaatcgaa atgctctcgc 180
 tatggcaaac tttcttgaca aggccatata ctctcccaac tctcctgtca tcaacgtgca 240
 atatccgagc cttctagata acaaggcaaa ctacgatgcc atcttacggg aaggacacc 300
 ggatcttcca gagccagggt atggatgtct tctgactgta gaattctcta ctgttgaagc 360
 agctacatcc ttctataata gggctggatt ttacccaagt cctcacctcg gaggccatgt 420
 cagcaatatg ttgccatata atatgatggg tttcagcaaa gaacctgaag agaaggcata 480
 tatggatggg gttgggcgtc agaanaacca gcgtaccgta tttcacccgg ctggagagtg 540
 aagaggactg attgatcctt accagatgcg ctgagggcgg nacagacctc ganggttgat 600
 taccaaaaga atactaagga tcttaaggat acttanggct 640

<210> 1230
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

 <400> 1230
 ctctccacg agtaacctcc cttgtctcct ctccattgggt actttgtctg ttgggtttgt 60
 atttcgaacc tctctcttct ttctcccca tctctccac agcctgttct acaggtcttc 120
 ttcatcgcc atggcctcta ctcatagttc caagcagcgc cttgcgctcg ctatctgcga 180
 tttcctttct gctcaacaa acgatggtag ccttaccgcc gacgacaagg actccatcga 240
 tgttgccatc aactgtatcg ccgagtcctt caaggctcgc ctaccgatac tctgccgtct 300
 cagcagcatc ggatcgcaga aactccttca aatttactcc gtcttcgaga aggccgcgct 360
 gataagccgc cgccgctcct actccgcacc gtcgtgctca ccgangaaca gaagaangaa 420
 gccgaagctc tgaagtcgaa gggtaacgct gccatgncc agaagganta cagtgtgctc 480
 atcaacttct acactcaggc tttgggcata aacgccagca acgctgtcta cttttccaac 540
 cgtgctgccg cccactccgc caacaagaac acgcttccgc tcgctctgat gct 593

<210> 1231
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 1231
 tagcaaataa ccaccgaggt tcttaagcga cgagggttaca agcaaaccat tctgangggg 60
 ctttctctct actctcttgg cgccatcctg ttctggcccg ttgccaaagtc ggccgactcc 120
 aatgccaaacg gacgcgcagt attcggcggc ttctgcgcgt gtacactcgt gattgcttgc 180
 ggcttgcca ctctcgagac ttctgccaac tcttatgcag tcgtcatcgg tgaccagca 240
 agtgccaacg ctgcctcca gttctgccag tcttggaacg gtgttgccctc gttcattggg 300
 cccttgatcg cctccaagtt cttcttctact ggtgagaacc agaacagcct taccaatgtc 360
 cagtttgtct acctgcgtgt cgcctgtgct ggtgccgctg ttgctgttct tttcttcttt 420
 gcaagcttct gagatctccg aggcgtgttat cgaggatgan gcttggaacac agcaacgagg 480
 gctccatttt ggaaacaata caacatgtgg gtcgccttng gngctaaatt ctgctacgtt 540
 ggggcccagn taccatcgcc acctttttta tnaactacnc taaaaaaaaac nggggggtct 600
 ntactgcct 609

<210> 1232
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 1232
 gcttaaactt ccacttctac tatgctcaac aatcgcaaac aagcgcatga cacagattca 60
 cctgcgagat ccattaccgc ctaccttttc atttttgccc ttccgttact agttctcttc 120
 atttggaata aggtattcag tagcaccaaa acggagacca caaaagcaaa catgtcttca 180
 ggaagaatcg ccccgctcgt ttttcctgcg gcatcccagc acacagctac agtcatcttt 240
 gttcacggtc tcggtgacac tggccatggg tgggcgagcg ctggtganaa ctgggcgcgcg 300
 gcgacagaag ctggatgaag tcaagttcat cctgcctcat gcacacaaat ccccatcagc 360
 gtgaacatgg ggaatgaaaa tgccctggatg gtttgataac aaacaacttg ggtgggaaan 420
 gtttactctc tcgttctntaa cgaaaattnn aaggctccag gctcanccaa aatncttccc 480
 naatctcttc aaanaaaaaa tgggntcccg gaaatttccc ctnaacngca tngttctcgg 540
 nggnttcttc angggtgggt gccatnttct ccnt 574

<210> 1233
 <211> 486
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(486)
 <223> n = A,T,C or G

<400> 1233
 cgtcaatatg aagaaccgaa ctcagaatgc tccgaaagcc gggcgctgcc gaaccctaaa 60
 gaaacgggaa cactaacatt tgggtaaact ggggggccac ttccgggtgg gttgaagaaa 120
 gcaagcgaag ggtatcatca ncctaacggg tctgttccgc caaccgaaac aagaaaccct 180

tgggggccggg	cgctcccca	cgatgccatc	ttcaacactt	tccgcccga	ccaagtccca	240
agatcttctt	ctggctccct	cccatggttg	ccggttactg	gatgatgaac	tgggccatcg	300
agcgaagcga	gtaccttaac	tccaaggctg	gtcgtgccga	gttcggtgac	gaagaagant	360
aaatttggtta	tattctggca	gcaaaaccat	ggcggatgtt	ttggggtagg	tcctctggac	420
tcattgttca	tcatcaatac	ctagatcagg	aagtgcata	gacatttgtc	caatatttct	480
tttttt						486

<210> 1234

<211> 505

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(505)

<223> n = A,T,C or G

<400> 1234

cacgaagccg	gtcattctca	aggacctgca	ccattgactg	tcaactcctc	caacttctcc	60
ttgagctcgt	tagttgattt	gagagtgcc	tttgtttcag	cctctccgtt	cgtaagctcg	120
gcaggcgtct	ctccgttcgt	caatcccttt	ctgatggcga	ggacactgtc	aacaatgaca	180
gcatcgatgc	cctgcttgac	ctgacgctgc	accaaattgtc	agcgaattca	cgttgtttct	240
atcatgttta	gtaaggctta	cctgaacat	gataggatcg	ttgttttagca	cgccatagct	300
gaagcataca	ataccgtttt	cctttacaat	cttgatcaaa	cgggggctgt	tgatgaaagg	360
ctccgcagcg	gcaacgatac	ctaaaaggtc	cagcgactcg	cgaacgaat	agcttcctga	420
agcgacaaac	ccgaatgtcc	atacatcaca	acagcctgcg	tctgtnaagg	aanaaaatag	480
gaatagaaag	gcgcttggtta	cctca				505

<210> 1235

<211> 419

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(419)

<223> n = A,T,C or G

<400> 1235

ctcctctccc	accacaatct	cctccatcac	agcctttaca	atgtttgcgc	gaacagtagc	60
ctcgtccctc	cgacaagccg	cccggcccat	ggccgtccgc	tnaacagcct	ctgncttccg	120
cacccccatc	gtccccctaa	cacccttnca	aaccgctntt	ctntccgacc	aaacccgatc	180
cgcacgaca	aagccgtatn	atccgcccc	gtcgtgctct	tnatgaagg	aacacccgaa	240
acccccagtc	gcggtttttc	gcgcgcgcga	tccaaattct	cggtcttnag	ggngcaaccc	300
cgacaagttc	gctgctttta	cgtctcgagg	atctgactgc	gcgaggggat	taangagtac	360
tccgactggg	ctacgattcc	caagntttac	gttgaaaaag	attcatcggg	gggacggat	419

<210> 1236

<211> 962

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(962)

<223> n = A,T,C or G

<400> 1236

ttcatctttg	tttctctatc	ttgtaattct	tggtccaacc	tatcgactgc	gtcttttctc	60
tattataaac	tccttctccc	cgtcataaaa	aaaccaccac	ctgcataatc	attctggtct	120

ctccgatctc	gcctttttgt	ggcccaacaa	ctccccgcgc	cagcgccgaa	ctatcgtaac	180
attgacctca	acaagaaacg	ttaaatcgtg	cagcgacatt	ttttggatac	atcacccgtc	240
aaacgcaact	gtactcattg	cgcacatca	ccctcaaagt	atagcttcta	cgacaagcta	300
gcttctcaat	tgcctttttac	tcgcgacggc	ctcatcggtt	cagggtcgct	anaatgaacc	360
tgaacaaggc	cgctcgagtc	atcctctttg	gtgcccctgg	tgttggcaaa	ggaacacaga	420
agcgagcgct	tgtctctcg	cttccctcaa	ctcaatcaaa	tcagtaccgg	agatcttctt	480
cgtcgaaatg	tcaaggatag	aaacaccact	cggcatcaag	gtcgagaaca	ccatgaagct	540
ggtggccttg	tggctgacna	tttaatccta	cgacttattt	ccaacgaatt	ttatactcgc	600
ggctggcttg	ccaagaatgg	ctctaattgtt	atgacctttc	atccgaagcc	acagcactcg	660
aacattcttt	caacaacaac	gctgggtgctg	aatctttcat	caacgctgctg	cctttcctcg	720
acgggcatag	acatctgctg	cctcaacnac	cctcagcttc	gtttatcctt	gacgggtccc	780
tcgaacagca	tcccaggccg	tcccttgaca	aacttatccc	atcaactggt	ctctcactca	840
aaanaccgtt	ttcgttttct	gaacccttct	cgaacttngg	tcatnaacct	tccggccgtt	900
ntacacacan	ttcaaccccc	caaggtcccc	gaaagangaa	tccccgggaa	ccctgatcaa	960
cc						962

<210> 1237

<211> 269

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(269)

<223> n = A,T,C or G

<400> 1237

cgatcgagct	caagttgttt	atcatgagat	gccgggggtg	aatacaccga	ccacgaacgt	60
gaagaccttn	agtgatcttc	ccaagcaggc	gcangactat	gtngagttca	tcgaaaactt	120
nattggagtc	aaggtaaaat	ggattggcac	tggccctgac	cgaacgagta	tgatcaagaa	180
ataagtccgg	cggtggacgc	cataccageg	acgagttgtg	tgctcgctatg	atggttagaa	240
caccaatttt	aaagaccaat	tgtcncacn				269

<210> 1238

<211> 643

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(643)

<223> n = A,T,C or G

<400> 1238

ncaccgnatg	gggggcneg	tggacgtgac	cagcttcttg	cagaggaagc	ttcgaacctg	60
gtatacgcbt	aaaagccctg	ttgaactatg	gctggacctt	ttgaggacag	cagaggtctt	120
tgaagactgg	gaagaagccg	cgtctcatct	tgatnacctc	ctcggncttg	acttatggag	180
gaataaccca	gcttctaaat	attatgactg	gagactcatt	ggcgaacgtc	tggactcnet	240
tgcgacagct	cgagaagatg	ccaactttca	gcagctcgtc	aatctattaa	gatctggctt	300
ggtccggaac	ctaggggaac	tcacctcacc	caaactttac	gaccgatcct	ttgttggcgc	360
caagtatctt	atagaagagt	acattaccca	gattgctgaa	gcagtggag	atattcgtgc	420
ccttcctacg	acgccatccg	ctgtccatga	ccatgggcca	tctctgacga	cacagataaa	480
gctagattgt	atacatgata	cgagacaggc	tttcgggaga	agcaccctcg	ttcttcaagg	540
cggtgccata	tttggcatgt	gtcatttggg	cgttgtgaan	gctctcttct	tacgcggggt	600
acttcctcgc	atcatcacccg	gtcagccacg	gcgccttgat	agn		643

<210> 1239

<211> 470

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

 <400> 1239
 ggtcgcactca cagacttgga gtttcttgct cgacgccttc gtaccggcca gtctcccaag 60
 caggctatgg aggagattgt atccgagaca gccaccgaca tcgtgcgaat ctaccttctt 120
 ggcaagccgt ccgatattga gggcaagaag ttctctcctc aacaggcctg gcctcttggt 180
 aaatctcttg cgaaaaaccc gaagctgctg tacaacgaag tcgtactctc cgcgccattc 240
 tcctctgccc ctctgctgg ctctaagcc gatgctgcta tcgataacct cgtcagtgcc 300
 gaacttattg cagtcaaac gtaccaaggc cgccaatgac tatcacaagc cggcaagccg 360
 ctgcaccaag ccgcgttctc tggctcttctc catgaacgcg tgcttcgcgc gaagatggat 420
 tatgataccc tgnacgactc atccaaagcg gaggctcggt cgattgagaa 470

<210> 1240
 <211> 472
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(472)
 <223> n = A,T,C or G

 <400> 1240
 gagaacgaga tcaagaaggc ntaccgcaag atggctgtca agcttcaccc cgacaagaac 60
 cctggcgact ccagggctga ggagaagttc aaggacttgc aggaggctta cgagaccttg 120
 agtgaccctc anaagcgtgc tgcctacgat aacgggtgat accttatgga ccctaacgac 180
 atgttcggtg gcggcgccat ggggtggagg atgggaggca ttgacctga gatccttttc 240
 agcatgatgg gccagcaggg nttcggcggg ggaggcgccg gcttcgcgac tgcttgagg 300
 cticctggtg gtggccggng gggcccactt tnaacttttg nggtgatccc anacaacagc 360
 gtggaggata ccttggtggt ttcnacttnt tatgaccata tggcgctgat gatgacgatg 420
 accacnttga tagttaaagt gaggaccaan gctcnttttc tttgacgagg gg 472

<210> 1241
 <211> 578
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

 <400> 1241
 atcacctcc actctgactc tgaggttagt tacgacatcg caacttttcc tctttcctga 60
 ctactaccaa acaaaaaaca ccagtttcat ttccccccac cactcgcatc acccacattc 120
 cggagctttt cgcaatggct ggcaacaaga agagcgacaa cagcaagaag ctcagggcaa 180
 cgctcgcaag gcagantccg ccgccagaa gcaggccgcc gaagacgccc gtcaagaagc 240
 caatgaagcc gataagtga acaaggagc caagagcaac gccnagaaag aagctgctgc 300
 tgcaaanct gctgaagctg agaagaanaa gctgagaagc tgctctcgaa gccgangaag 360
 atgccaaaca tccctcaaag ggcaccaaga agtcaaaagc tctgtcnag aaagcgcgtg 420
 ggcttgaact ttcccaactc gacgacgana agccttcagc catcaacgcc tctggtatcg 480
 ataacgccct cgatgccctg tccctgacag gcaacaagga cgatggcaag gtcgaacgac 540
 accccgaacg aagatacccc gccgcatacg cccagttc 578

<210> 1242
 <211> 595

<212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(595)
 <223> n = A,T,C or G

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<400> 1242
caggcgacag catctccatt gccaaaggcac cccacgatga gactgggtgag cgtatgttca      60
ccatcatggg taccgctaag gccaacgagt cggcactttt cctcttgtat gagaacctag      120
aggcggagaa gatgcgccga agccaacttc aagaggccga atagccgact ttcagaagaa      180
atctcgttga tttttgcttt tctcgtgctc catgcgactt gctaaaataa gtttttggca      240
ggatgggctg gggcatttca gatctgactt gccgcgaggc ttgtgttttc agttaggacg      300
ataccanatt gcagcattac gagcgactga atccatttgt ccgacccatt ccccttattc      360
aaccgccaaa accctccatc ataaaactcg tntcttttcc tgattcttac ccttctcaat      420
atctttgcta catcaattag ggtttgacta gtgtcgattc cgactcgagc cttactgtca      480
catcttcgcc ttttaaaccg aaccagcttc ttttttttgg gcgagcagat cgctnccaaa      540
cactgcagct tgccgtctat atcagcttcg cccacctgga gtttttggca atggc          595
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<210> 1243
 <211> 336
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(336)
 <223> n = A,T,C or G

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<400> 1243
gcacccgctg ccatgttttc aaccacctca atgggtcttcc gggccggcgc tcgtcgcgtc      60
gttcgacgat ccatccccgt cctccctgcc atggggcccca gccctaccgc atacctcgcc      120
ggtcgaaaca acttgcgtcat tgctagtgtg agccagcaac ttcagcgacg tggttatggt      180
gccganacaa accccaaccc tccttttggg aagaanaatg cttcaaacga tggctctact      240
cgaattggtc taataggcgc ccgaggatac actgggttcag ctttggttga gcttcttaac      300
gagcacccca acatggagct taccaccaat ttgggn          336
```

<210> 1244
 <211> 414
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

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<400> 1244
aatctcgtac gcgtcggccg tgggcaacaa gctgatgctc accaagacgg gcacgggagg      60
tctctcagag ctgggtggcg agcttgacga tggtcaggct cagtacggtt acgtgcgcgt      120
cgagtacgcc aacgacaagg agagcactcg tgtaagttt gcgctggtgg tctggattgg      180
agaaaacaca aaggtcatgc gcaaggctcg tgtagcatt gagagcgggt atgtcaagag      240
gcagctttcg catcatagca ttgcggtcac gacgggggat aagtccgagt tggatgagag      300
ggatattgtg gttcggttga ggaaggctgg tgggtgctgat tacaatggag gacgggggta      360
atcgactact actacacata catacatgca catacggagt acacatgccn aata          414
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<210> 1245
 <211> 586
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 1245

tgcaggtaca	ggcgcttctc	tccggccacg	ctgaacaaga	tccccgagcc	tggcgcggct	60
ggcttcgctg	atgcttttgg	gaagcttgct	gatggcgagt	ctgagtggga	tggtgagggt	120
ctcaaggacg	ctgtcaccat	gcccagggt	gtcgttctgc	gtatgtgcga	tggtgactgc	180
ggaagcaaaa	ccgtcgggat	ggtcaanaag	gtcctcgcgt	ggaaggcctc	aaacgccgac	240
gaatccaaga	ccctttggga	tgaactgcag	aaacgtaacg	agcaattgat	tgccactctt	300
aacgccggcg	atggttgaca	gctgcccgan	aagatcaccg	ctgtgcgaga	gaagattaga	360
gagatgggca	gcgcgagcga	agttcccatc	gagcccgaga	gccagacaga	gctcctcgac	420
gctctcagca	ccgtcnaaag	ggtctatggt	ggtgttgctc	ctggtgcagg	tggttacnat	480
gcactggctc	tcctactgaa	ggacgatgag	gagacaaanc	naccaataaa	agtgtttttg	540
ganaagtggg	cagaanaaaa	tggtacaaag	gtcaaaactgc	tccgcg		586

<210> 1246

<211> 629

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(629)

<223> n = A,T,C or G

<400> 1246

ctgtgccctt	ccagcttttc	ttgttctctg	aagccctcct	acgccagttg	gccttgcttc	60
tgagacccca	aagctcagtc	tccgggagtc	catcagcggt	ctgagcagtt	ctttggaaat	120
ttggttgatt	ctcattccat	tcggcgctta	tgctggcttc	ttcaactcaa	tctcttctct	180
cctcaatcaa	atgctcacac	cttatggcat	tagtgatgac	naagctggta	tcggnggtgc	240
agttttgatt	gtcgttggtc	ttgttgcatc	cgcgatatct	tctccgatca	ttgatcgcac	300
aaagagtttt	cttctgacac	tcaagatcct	cgtccctctc	gttggtatca	gctacttggt	360
ctttatttgg	atgcgcgaaa	ccagggatgt	agccggccct	tacgtgggtc	tcgctatctt	420
ggggcctcct	cgttttcact	ggccctgtcg	cactcgaatt	ccttatcgaa	ttgagccatc	480
cactcagccc	cgaggtcact	tcaaccngng	catgggctat	gggcaactct	ttggcgctat	540
attcatcatt	ggtaagagat	gcgcttgacg	cggcaaaagat	gccaatcctt	caaanaacat	600
gaaaaacca	ttggtctttc	aagcngtct				629

<210> 1247

<211> 827

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(827)

<223> n = A,T,C or G

<400> 1247

taaaccataa	tatccactta	aacttttagat	ccaaactcgc	attgtttttc	tttctacttc	60
caaaactaac	ccctccatca	aaatatattat	ataaatcaat	tccctctac	tccccacca	120
aaacctctaa	acttccatca	ccaccaaaac	accaacctaa	acctcacaca	acctcatccg	180
aaatggccgc	cccttctgac	tctgtcgtcg	tgagatcac	ctccaaggct	caattcgacg	240
agcttgtcaa	gaagaccccc	tacgtcgccc	tccaggcctc	cgccctcgty	tggtgtccct	300
gcaaggccat	ctcccccatc	ttcaagaagc	aggccgccga	gcacacctcg	gaaaagtctg	360
ctttcgccaa	attcgacacc	gacgatgtcc	ccgacctcgc	ctttgagatg	ggcatccgat	420

ccatccccgc	cttcttcttc	ttcgagaacg	gcgacaagga	cagcgacctg	atgggtgccg	480
tcctctccaa	gctgactgcc	gctatcggtg	gctacgccaa	gaaggccaag	ggtggtgatg	540
aggaaaagcc	tgctgaggac	aacaccctca	agaccgatga	gaacttctaa	acgagaactt	600
ttcttaaaga	acaaaaaaca	ttacaaagca	accggctttt	agaagcgag	gtttcgcaag	660
ggatacccct	agaaaacgag	gcgcaccaag	acaggcagca	ntatattacc	cacaatttcc	720
acaagattca	ccattgagct	aggaatacga	ctttagccat	gcgaaaagca	tagttttaag	780
taggatggcc	cgcgccgggt	agctaagaat	agatcacatt	ttacttc		827

<210> 1248

<211> 578

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(578)

<223> n = A,T,C or G

<400> 1248

ccaggcteta	gacgtgggt	ctatcaacgg	tgtcatatgg	gctgttcccc	agaaaccgcg	60
taccaacttt	gacatttcca	agacttatcc	tctagctgat	ggttcaatca	tcagcgtcga	120
aggtcttctc	aatgataccc	accacactt	ccgccttcg	gtgttcgcac	cccaaagagc	180
cgtcttggca	catcccaaca	ctgtattatt	tctacccac	gggggtgggt	caagtgccaa	240
cgagactctc	ttccaacggt	caccagtcct	tgacgggggc	tacttcttag	atcagctctg	300
taacagcgct	cgtctcgcag	catcggggcg	cggaacgtct	cttgacaaat	cttatctaac	360
accgtcctct	atcgcatcgg	ccatcaaaaa	catcactct	gacaaggatg	gatcgttcac	420
cactaacgcc	cgcgcgatgc	aacgcataca	atcctcaatt	ccaagcggaa	acacctcgca	480
gctgaactca	ttgaagaagt	catggttagat	canaaatccg	gttcgcnacg	gcgttgactg	540
cgcctatgca	tctgcagana	gcgnatatgc	cctgccga			578

<210> 1249

<211> 594

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(594)

<223> n = A,T,C or G

<400> 1249

ccgccttcag	ctgctgcgcc	agcaatccct	ggacgaggac	ctccagtacc	gcctccagga	60
aggagcagca	ggcttgagga	agacaacgcc	gatgggatcc	aagcctccac	ctcctcctat	120
agggaagaaa	ccgcctccgc	tgcgcacatc	gcggaaaccc	tcgtctatgt	cgctgccacc	180
tctgcatect	caccaaactt	ggtaccttca	gctccccctc	ctccaccgcc	ttcgagtcac	240
gcaccagctg	ctcctcctcc	acctcctcca	tctgcggcac	ctccgcccc	tagtcaatcc	300
ccaggatcct	ggtcctcggt	accacctccg	ccgcctctc	ctccgcctgg	agcaaaccat	360
gcaacatcat	cccttgctgc	gcaggctacc	attcgtgctg	ctgggtcaagc	atcaccaaac	420
gccgcacctc	ctccccctcc	aagcgagtgc	gccttcacct	ccggccacca	acaacacggt	480
ctcgangctc	ctcttctccg	ccactccatg	tttggatcca	agtatgttta	ctttgaccgc	540
aaacggaaga	aaagtcacca	agttcctacg	cattcgcctt	cgcaaccacc	tagt	594

<210> 1250

<211> 644

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(644)

<223> n = A,T,C or G

<400> 1250

caaaccac	ttcaaacaac	ttcacttcat	atattataaaa	tgtgacaggc	gatatttcgg	60
gataataaga	tcaatttttc	tatatgcccg	actttaacaa	tgccgggactc	tcgcccgcga	120
ccattgagtc	tatcgctggg	ctcagtgctg	gaactgtctc	aactttgacg	gtgcatcctc	180
ttgatgtagt	caagactcga	atgcagatct	atcgagcac	agctcctggg	gcgggccgctc	240
caacgacggt	gtctatcctt	cgcgcactga	catctacacc	tcacccgatc	gcctctctct	300
accgcggtct	aacgccaaac	cttggttgaa	acgcctctag	tngggcttct	ttcttctttt	360
ttaagtgcgc	ctttgaaaac	gctgtcgctt	cttgccaaag	ccgcccggat	ggacgcccaa	420
caccgggtga	ctacttcgtc	gcgagcgctc	tgccagggcg	ttngacgacg	acgctgacca	480
atcctatctg	ggttcttaaa	gccgtatggg	atcttctgat	cgcggctctc	aagggtttac	540
ccttntatgc	tcgccggngc	tcgctntatt	nttcaaaccg	aaggcatcgg	ggctttttatc	600
gcgggttggg	gaatctnttt	ggngggcgct	atctcacggc	gctn		644

<210> 1251

<211> 981

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(981)

<223> n = A,T,C or G

<400> 1251

ggctctgggtg	ctgaggggctc	tcgtcgccga	gcttctggac	gtgcccgga	acgtgaacgt	60
gcccgtgaga	ccgcaactgcc	cgcactgggc	gtgnagtca	taentgagtg	tcattgatttc	120
tgaaacgctt	actgacaatg	ctacagnagg	gtgccgagaa	gaaggagggc	gaaactactg	180
aggctgtgtg	tgccactgat	gatgctgcta	ccgcagccgc	tgccactgcc	accactgagg	240
ttcaaccttt	gtccgatatc	acaaacaaga	tcaacactga	cgcaaacgca	aagacctcta	300
agaccacaac	tcgccctcag	cgtgagcgcc	gtgagcgcg	ccctcctgct	gacggaattc	360
cttccaagac	caagggtcatg	gttgccaacc	tgccctacga	ttctgaccga	ggacaagctc	420
attgagcttt	tcaaggctta	tgagccctct	tctgccaaga	ttgctctccg	acctattccc	480
cgattcatga	tcaagaagct	tcaggctcgt	ggtgaggccc	gcaagggtcg	tggtctcggt	540
ttcgtcactc	tggtctctga	ggagcttcag	cagaaggctg	ttactganat	gaacggaaag	600
gagattgagg	gccgtgagat	cgcggttaag	gttgctattg	acagccctga	taagaccgac	660
gaggaacacc	acgaggggtga	tgctaccaac	ggtcaaaaag	anaacatccc	cgccactgag	720
gctgcccctg	cggctgctcc	tgctaccggc	gccgtggctg	ctgcccctgc	cactactgct	780
gcggctcccg	ctgcggctcc	cgtcgccacc	aaggctgntg	aggccacccc	tgctcttacc	840
actcccgcca	ctactactgc	ctaagttaag	gcacggcgcg	agtttcacgg	acatgaacct	900
cgtattatgt	catgatgatt	actctaacga	ttggggcatg	cgatttcaac	gatttctntt	960
acgggagatt	ctcctacaac	n				981

<210> 1252

<211> 654

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 1252

caagatctct	gatcgagctt	gttcgcgcca	cgccagactc	gcccgcgaacg	aaacaatgac	60
tgaccgcgac	gttctccccg	acaatgtcaa	gcccgaagcac	taccagctgt	ccttaaggga	120
ccttgagttc	accaactgga	cttacaaggg	aaccgtcacc	atcgactcgg	aaatcaccaa	180
gcctacaaaa	gaaatcatcg	taaacactct	cgaactcaag	ctctctcgcg	ccaaggctct	240
cgctgactcc	aagtctgcgg	aatcgacaaa	gtttgactat	gacgccaagg	cccaacgttc	300

taccatcacc	tttgacgagg	agctccccgt	cgcttccaag	gctgtcatca	ccattgagtt	360
cgagggatc	atcaacaatg	aaatggctgg	tttctaccgc	agcaagtaca	agcctaccga	420
gactccttcc	gcttctgtcc	ccaacgatgg	cgaatggcac	tacatgttca	gcactcagtt	480
cgaggcttgc	gatgctcgcc	gagctttccc	tgcttcgacg	aacccaacct	caagggcacc	540
tttgactttt	gatattgaga	ncccttctga	ccaggggtgn	ttttgagcaa	catgcctggt	600
caaggagact	cgctccnttc	aaggatgggt	gggaacaatg	nggtaatttg	agan	654

<210> 1253

<211> 505

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(505)

<223> n = A,T,C or G

<400> 1253

gcgaggcatt	cttggtgggt	gctatgtcta	aagcacttgc	gactatcgcc	actcaacctt	60
tgattgtggc	caagggtggc	ctccaatcaa	agccaccccc	ggctcgcaat	ggcaaacctt	120
ttaccagttt	cggtgaggtt	atgaagttca	tcatanaaca	tgaaggcatg	ctgggtttgt	180
tcaaaggcat	tggggccacag	attctcaagg	gccttctcgt	ccaggggtatt	ttgatgacag	240
caaaggagag	ggttgagttg	atgttcatcc	ttctgattcg	atatatcaag	tccattcacc	300
tccgcaaaat	cagccgtacc	gctgagaaac	tgacgcagca	gcagcagctc	acagcgtgcg	360
gcgaaaccgg	tgacaagtac	ttagattagg	gcnacagctg	gtgaggacaa	tcacaacaac	420
gggtcatttn	gagaagaagg	tttttgcaaa	antggataaa	acgatagtag	ttnttngttg	480
ctattctcca	taatacgtga	atctt				505

<210> 1254

<211> 871

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(871)

<223> n = A,T,C or G

<400> 1254

cctctagtca	atcgctacct	cgttgtgcct	cttacctacc	ttaattaata	ctcagtcatt	60
ctttcaatca	caaacaacct	tccaaccttc	aaaatgaagt	acactatcgc	taccgtcgct	120
gccttcgcca	ccatggccct	ggcccagccc	gctttcacca	acaccaagtt	cgacctcact	180
gagggcaagc	cttacaccat	caccttcacc	ggttgtgatt	ctgggtgcac	tatcattctc	240
cagaacggag	agtccaccga	cctcaaggac	tacaagacct	tgaccagctc	cgctgaggggt	300
gactctttca	cctttactcc	ttctcagctc	ccctcggaca	cctacaactt	caagatcacc	360
gactctgctg	gtgaggccaa	ctacagcgag	cagttctcct	acgaggggtc	ttacgacgct	420
ccctccgtca	cctctgctac	taagaccgct	gcggagacca	ccgccgctgc	tgagaccacc	480
gagaaggcta	ccactctcgt	caccaagcct	gtcgatgaga	ccaccactgc	taagcccatc	540
attcccactc	acgtcccgtt	cccccaaga	acgccaccac	tcccattgct	acccccacca	600
agaccggcgg	tgctgggtgag	actgggtgtc	ctgaggttcc	cgtcagcggt	gctaccgcga	660
tgacctcttc	ctggctctca	ttgctgggtc	cgccatggcc	atgggtttacc	tcaactaagt	720
tatggacatg	atttttctgc	acgaataccc	gggatgaaaa	gagcggtttg	atgagaatca	780
agttttcggg	gtataattct	actttaatga	tggctttgtt	tattcgtttc	cgggtacccc	840
acgaaggcgt	caccggccgg	gttgtntctt	n			871

<210> 1255

<211> 876

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(876)
 <223> n = A,T,C or G

<400> 1255
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 tggcatacca aggatcttcc ctccaaggac atcaccagca gcgttaccca cgtcatgatg 120
 tccttcgcca actcatctct cttcaccacc cagcctgggtg gaaagtagca gcccttccag 180
 cccctcgaga cgggtgcgtgg cctcttcgac catgagatta aagtgtgcct tgctattggt 240
 ggctggggcg acaacgccgg gtttgacgag agtgccaaga ccgatcgag tcgagagagg 300
 ttcgccagga atgtcgcttc tactcttgac cgactttggc tttgactgtg ttgatatcga 360
 ctgggagtag cctgggtggt acggacaggg actacaagca agtccccaac tccaagaaga 420
 cctacgagat caaggctttc cccaagcttc tgaaggagat caagaagttc attggagaga 480
 aggagctttc cattgctggt ccagctcttg atcgtgatag gatcgcttac attccttctg 540
 agactcctct catcaacaaa tacgtcgact ttgttaacgt tatgacatat gatctcttga 600
 accgtcgtga ccattacact acccaccag tcttcatcca aggggctgcc cgtgccattg 660
 acaagtacat ttctcttggc ttctccctc caagcttgct tcggaatcct tttacgccaa 720
 atactacca ccaanaagg accctgcact gagctatcgt tgcctacgag ctctgagacc 780
 cgagacgaac gaacggaaat cggttctgat ttgaggtgca actcctgcgc ccaanactga 840
 tactctacga gcanngtgtg tgtactctca atccga 876

<210> 1256
 <211> 1120
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1120)
 <223> n = A,T,C or G

<400> 1256
 tttgcgacac ctactgttct gcatctactc ccttattatc gactgacctc taaccatcgc 60
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 atataccggc cgacgtcttt tctacattct ataacctcaa cctcgcacat caattactag 180
 catattcacg atggatcact cacacatgga tcacagcggg atggaccatg gagatatgga 240
 tcatggccat ggaggaggca tgaaggacat gtgtngtatg aacatgctct tcaacttggga 300
 taccaacaac ctctgcattg tcttcctgca atggcacgtc cgttcaacaa cgtcactcct 360
 cttctctctt atcgccgtca tctcctctgc cattggctac gaagccctcc gatctgtctc 420
 ccgtcgttac aaacaagctc tcgataaccg cgtccgctcc gcccccagta agctttctat 480
 ctcttctctc cgtctctgca cgggcattgc acatatctcc tatccaggaa accccaagga 540
 caaaagaaaa cagaatgcta cgctgtatcc tcttgcccta tctgtctaaa gtctttgggg 600
 aaaatataaa atcgcacctc tgctaagtct taccgtgagg tctgtctgat gctcctgtta 660
 ctgaatcgac tcccatcctg tcaggacaat cccatggaca agccgaccag cgcgcccacc 720
 tcatcaaggc cgtcttgtac gctctgcaga acttttacgc ctttatgctc atgcttggtt 780
 tcatgacata caatggttgg gtcattgatt ctgtttctct tggcgcatct ctcggaattt 840
 tgttcttttg acaagaact tcggccacaa aggaaaacgc atgccactaa agacgaattt 900
 tgtaagaaaa acgattgtgg tangggccat gcgttatgcg gcgttacggt tggaacagct 960
 attagtttga ttgaagtagg taatcacgta cctgcggggc cgggcgaaat cccattcaag 1020
 acagcacagt aactttgggg ggaaccctc ggtaaagcta tgcctcagaat acacttanga 1080
 taaacaaatg agtaaagaac aagccaaatt atttccgtat 1120

<210> 1257
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(588)
<223> n = A,T,C or G

<400> 1257
ctaaccgtca cgggtcaagga cggagatagc tcacgcgaaa tcagtgtctg catttcagcc 60
ttgccagcac agcacagctc tgctcagaggt ttatttgacc gcgatactac cctctggtgt 120
tcctgggggtg tcaagtcttg tggaaagtcg gtttggtttg gcggcgacac aggtaccga 180
actgtcccaa gtcttcacc cggaaactgat gattacagcg ccgagtagca ccacctccg 240
aggtgtcctc aattcaaaca aattgggtgaa ctccgtggac ctttcgacct ggggtctgata 300
ccgatcggtg cataccaccc ccgagcagcc ttctcgtctg ttcattgccga cccaaatgat 360
gccgttgaag tcttttcgca cagcaaatgc cagcgagcga tgggtataca ttggggcacc 420
tgggcgctca caatggaaga agtcttgat ccccccaagg tactgaaaga agcattacgc 480
aagaaaagca ttccggaaat cgggggtgttt gatgtgtgtg atattggtga agctagaaag 540
tttagctgaa cctgaagaag acntgcagga attataaaac nacatgtt 588

<210> 1258
<211> 614
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 1258
ctactactgc ggactacggt atcatcagcg ggccggcccg ttctgggtgt gtcaagattg 60
ctcttgatgg taccagcaag gagatcaact tctttgtcgc tcacttgggt tacactcctt 120
atggacctta cgacacatgc tttgacctt accccgtcga caagatcatt gagcgtgagg 180
ctcagtctgg tcgcactcct cagatgaagg ccactcttgc tggatgaag agtcagcttg 240
acaatgccga cgacactccc gttttccttg ttggcgactt caacgcccc tctcacctcg 300
actacaccga cgggtcttaag gacaagaact gcggttactc tggcatcaag tggccacct 360
ctgttctccc tgaggaagcc ggctcattga ttctttccgc gtccgccacc cgatcccgtc 420
aaggagcang gtatcacttg gtcttccatt tacatctgga acggnngccg ncgtcgacct 480
gnacctnttt gaccgtattg actttgttct acacaanggc aagggtcttg aaggtagacc 540
acttccaaac tgtgggtggt ggtgaanccn aaccttanc caancacaag gagaatgagt 600
nggttntttg acct 614

<210> 1259
<211> 636
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 1259
gcatagcaag acaacagtta agctactctg tcacttattt cttctatctc agaccctctc 60
aaccagcaca attatatatt tcctctcggc atagccgtca aaccgccacc atgtttaaga 120
aagaaatcca gccttcgccc aagcagaaag ctcaaactct ccgtccagcg aaacctccg 180
caaggatcta ctgcacacat accctctcct caacacctat atcgacnaga tcatgcccac 240
gaaaggccac cttttcgagt atgaagctta ccgaccgcaa caccctctac gttctcgact 300
cgacacccat cttcttccag caggacctga caggaatcct tattccccac ctccgacttg 360
tccatcgctt ccctcaagcc ttccctagca tcgcataaac gtggtgctat ccgcttcgtc 420
ctctctggcg cccctcatgn tctctgactt actccgtggt tggcagantg ccgcnacgg 480
tcgcccgaag gtgtgcccag gacaaaatga ccnaaaagga caaaattccn atggattnaa 540
attggtcagg gtgagccgtg tntctaccaa ggcaagaaaa gctntgtgtg gaaactccnc 600
ngaacaagga gtaagcaggn aggggcgnat nagaac 636

<210> 1260
 <211> 576
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(576)
 <223> n = A,T,C or G

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<400> 1260
ccctaattct ctgaacaaca ctcccttctat cgctggagcc caagttcacg atgatgtttt    60
tggtgatatc acagatgaag gtcccaacta ccgagctgtc ggatggattg gtaccgncnc    120
ccttatgatg aagacccaaa tcggtcttgg tgttctgtcc atcccagctg tctttgacgt    180
cctcggaatc gctccaggta tcatctgcct catcgttatc gccgccatca caacatggtc    240
cgactacatg gncggcgtct tcaagcgcaa ccatcccaa gtatacggta tcgacgacgc    300
gggttacctc atntttggtc gcattggacg tgagatcttt ggcgttgctt tctgcctcta    360
ctggatcttt gtcgcagggt ctggtatgct cggctcttct atcgggtctca acgcggctctn    420
tctcacggta cctgcacagc ttgttttcgt cgctgaacaa acatttgngg cttntgcctc    480
gcagggtccc gacccttggc caaataacat gctcgctttg ggtcggtntn ggcttgnatn    540
aatgaccgct tttnttcacc gtcaccaatc gaagtt    576
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<210> 1261
 <211> 604
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

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<400> 1261
ccgaactctt caagccttgc gcaaaattct ttcgacatat gccgccgaac ccgacggatc    60
agcgcccttg acatttgtgc tgatgggtaa ctttactcag catgctgtgc tcgcacgcgg    120
aggcagtggg ggaagtatcg aatacaagga atactttgat tccctggctt cggctctcag    180
cgacttccca acactacttc attcgtctac gtttgttttt gtccctggag acaacgatgg    240
ctgggtctct tcctttacag cgggtgcttc cgtaccattg ccccgaaaagc aagtaccaga    300
catgtttaca tctagaattc gtcgtgcttt tgcgacagct aatgccgaag ctggaggaaa    360
gacagatggg acggcagttt ggacctcgaa tccaagcccg aataaagtct tttcgggcct    420
aaccacgagc ttggtctttt canagatgat gtgtctgctc gtctgcgcgc agcctcggtc    480
cgtctnaagc ctnaagccaa cgatctagta cagatgagac acaaaaagttc ggatnctnat    540
ctcccgcagc acgttcaagc catggatatt tgagctgntc atcatgaagn accgactgnt    600
actg    604
```

<210> 1262
 <211> 649
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

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<400> 1262
aaaattgata aatacttatt ttataacaga gacgaggaaa aatgggtaac gaaaagctca    60
tttgcgatc tggcgcgact gggtaaccaa ggcggttcag ttgcccgctc attcctccgc    120
gcagggttta aagtccgtgg tttgaccccg aaacccatcc tccgattcgg ccaaaaattt    180
```

gaacgcggct	ggtgctgaag	ttgtttcagt	cgatttggat	gacatagaga	cacttaaaga	240
agcattcaag	ggcgccaaca	tcatcttcag	tgtgacgaac	tactgggagc	ccttcttttag	300
acccgattgc	cgactgcagg	ctgccaaagga	aggcatctcg	tgtcgcaa	ttgcctacaa	360
tgtcgaaatt	cagcaaggaa	agaatatcgt	cgatgccgct	gcaactgtgg	ctgaagggtct	420
tgacaagaac	ggcttcttag	tctcaacgct	gagtcaagct	gaaaaatgca	gtgaggggaa	480
atccanggat	ttgtatcact	ttgatgcaaa	ggctgatgtg	tttcccccat	atgtcgangg	540
aaaaatatcc	caacttgctg	ccaagatgtc	atgcattcac	acaggctact	tcttcaccag	600
ctttaacatt	cttcccgacc	tctatttgac	aagtgtgnt	ggctttgag		649

<210> 1263

<211> 628

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 1263

cagaacgact	cggtatttat	tttctgaaa	ccagtatcgt	ttaagtttat	attagggata	60
cggaataaaa	gttttcgaat	cctataccgc	ctcttgagtt	caagatgcct	cacgttcctt	120
catcaactga	agctganaat	caaggcgatg	cgctgaact	cgtctttccc	cctgtcacca	180
aagaccatat	tcaaaactgc	tcctacgact	cttggtttcc	caagtatagg	agctcttgtc	240
tcaagtctcg	tataattcct	ctacccccag	ctttcattga	ataccttcac	gaagatggta	300
ttgtctaagg	cggaacgaca	tgagcatcaa	gacgaaccag	aggaagagtg	gcatgcatca	360
tccaacacat	ctgcgacacc	acaagcccaa	gnatccagaa	tcatcagacg	acgaaaatga	420
tgagcccgag	agattgccac	caaaccaaaag	attcccagag	acacataatc	tcgtcaagga	480
gacgattgct	gaattgggtg	gctcaagtgg	cacaaaagt	taaactgggc	atcaccaaag	540
gatgcgaagt	ggatttcacc	tcaccagaat	acactcaa	gcacgacacc	caatggattt	600
ctatnctgct	tctcagtcgt	ctttcttt				628

<210> 1264

<211> 355

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(355)

<223> n = A,T,C or G

<400> 1264

gaaataattc	tttcagaggt	tgctacatca	cgacagaact	ttgcaagaga	gcttggtgct	60
acacgtgtcg	tgaaccgat	agtcgagaac	atcaacgagg	tcgtactcgg	tttgactgat	120
ggcaagggtg	ccgatgttgt	gtttgactgc	gccggtgtac	cgatgagtat	caaaagtga	180
tgcaagttg	tcaggcctaa	aggcactgtc	gtcaatctcg	ctatctggga	gaaggagatt	240
nctttcaacc	caaactggat	cacgatgaag	gagagctcgt	acaaatctgt	tctcggatat	300
gctcnggaag	acttttcaggc	tgtcatcgca	aatnttgctt	aggtgctatt	aagcc	355

<210> 1265

<211> 647

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 1265
 cggtatccga ggtgagcgcc ctgagcgcat tggtgacaag tgctggttgt acttccccga 60
 ggacaactgc cccttctacc gtgccaccat cttctccaac tactctccct acaaccagcc 120
 tcagaaggat gccaagctcc ctactctcta ccttgccaac ggtgagaagg ctgcttcttc 180
 cgaggccaag gagggctcctt actggtccat catgcttgag gtttctcagt ccaccatgaa 240
 gcctgtcgat gttganaacc tcctcaagga cagcatccag ggtcttatta aactgagat 300
 gatcaagcct gaggacgaga tcgtctccac ctaccaccgt gctttcgacc acggttacct 360
 cacccccact ctcgagcgtg aggggtgtcct caagcaggtc ctccccaaag tcgagtccat 420
 ggacatcctc tcccggtggc gcttcggcag ctggcgatac aaggtcggta accaagaaca 480
 ctcttctcatg ctcggtgttg aagctgtcaa tgccatccac agcggggctg tcgaactgac 540
 cctcaactac cccgactttg tcaactccc ccaaaacact tgagcgttgt ctcacccaaa 600
 actttttttt cacacttccc aaaacaacgg aatcccaacc attcaa 647

<210> 1266
 <211> 672
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(672)
 <223> n = A,T,C or G

<400> 1266
 gcatcattag caaacatggc gcgtggatgg tttgtcaatt gcgctgcctt tctcttggt 60
 ttgaccgccg gaggaacgc gtaccgtctt cccgccctct ccgctcgcgc cagagacagt 120
 ggtcccaaag ccgtcaacat cagtgttcct gtcgatcatt tccacaatga caccatctat 180
 gagcctcact ctgacaagaa gttccctttg agatattggg ttgacgcca gtactaccgc 240
 aaggcgcggtc ccgtcatcat tctcgcgtca ggcgaaactt caggcgagga cagaattccc 300
 tacctcgagc atggtattct ccagatgcta gccaacgcca cgggcgggtat cggcgctcatc 360
 ctcgagcatc gttattatgg aacgagtttc cctgtgccag acttgaagcc tgagaatatg 420
 cgcttcttgt cgactgagca agcccttgcc gacacagcct actttgcgca gcatgtcgag 480
 tttcccgga tggaggacac aatttgactg cttccaccan cccttacatc atctacggtg 540
 gctcctacgc cgtgtctttc gctgctttcg cgcgcaagat ntacccgaac tcttctgggg 600
 cgggatntct tcaactcggg gttaccgcaa ncaatgtgga attactggaa gtactttgan 660
 ggcccacgtc tc 672

<210> 1267
 <211> 460
 <212> DNA
 <213> *Fusarium venenatum*

<400> 1267
 aacttgcgcc ggcaggcgga cgatatggga agggaaactcg aagagcaacg tgaaatgctt 60
 gatcaaatac aactgatgc tgatcgtatc ggtggacgat tggcgacggg catgcagaag 120
 ttgcagcatg tggtagcgga gaatgaagat cgctatagca gctgctgtat agcggctcctc 180
 atatttgtcc ttatactgct gctaatacat cttcttatca tataatgtct gccatagact 240
 tcaagagtca gatgttttag tcctttacag cgtttacgat ataaccacat gtgggattgg 300
 agtttgaggat ggggaattgc ttttcacgaa ttatcgtact ctttgaccaa gaaattttct 360
 tatctcactt aaacgtgtac tagaactata tatagagtag cagcggcggg tttattttcc 420
 aaagttgttg tgttatctaa aggtttatca aacaattgac 460

<210> 1268
 <211> 547
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(547)

<223> n = A,T,C or G

<400> 1268
ttgacgcacg acttctgttc tggtagatc gttttacttt atttctctgg actagtttca 60
tttcattatg ctgggtaagt tcctagtgtc cgctctggcg gttgttgctg gactcaaccc 120
tgccgagget caacagcaaa acatcttcat tactggtgtt ccagtccact gtggaagtgc 180
cgttcctgct cgccgcaaca tcaatgacct tatcaactnt ggtggtccca ctctggacct 240
ttacatgcga gccgtccgct ccatgtacga tgccaaggag accgattgga agtnttattt 300
ccaggttgct ggtattcacg gcaagccatt catccagtgg aacggcgggt gtggccgaaa 360
cggcaacggc tgccctggata ctgctcacg gagagagcat tttctgacct ggcaccgacc 420
ttacgtctgg ttacgaaca aattctcgtc gagcacgcn agcgactcgc caacctttat 480
tctttcnaag taccgggccc antaccgttg atgcaccaan aaactgggag cttcctactg 540
ggattgg 547

<210> 1269

<211> 591

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 1269
attgacacag ccgacacctt tacacccaaa atgcccagct catgtaaaga actgcgcgag 60
gcactcgcgc agtgtctcca agaaatccga gtgtgtcatg gttcagcgca atagcgccgg 120
cgactgcctc cgcaacccc tcgtcgacac tctcccccta aagtgcgcgc agctgaagaa 180
gggcttcggc gaatgcaagc gtggcatggt cgatatgcgc aagcgattcc gcggaatat 240
gcccgtggct taccgtacga tggagcaggc tgaggagggc catggatacc agctctacgc 300
tgggcgggcg gcctttgcag gcggtgtcna gaagacggac ggaaacgagc ccattcccca 360
agattggaga gaatcgagaa tgagaagtgg aaggccgagc aggcagcaat ggcacagcag 420
aagaaatgag agaacggaat tctgatctca aaccaggcgg ttcgcttcg tcgaatcact 480
acagcaatca acgatttacg aanacatgtc ggaattaaga tctaataatga agacaacaaa 540
tcggaaaaaa cttgctcact gttttgatca gtcactctctg ggacgtgcat a 591

<210> 1270

<211> 678

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 1270
gcaccgactg cccagccagt caacacccaa gcaacaatcg caagcaacag caacatcagg 60
gaagggggcg cgtcccaatc caatcaagtc tcctggcgca aaaccaaaca aaacgggcaa 120
ggtgcccccg acgggccaag caacaagcaa gcaagcaaag accacgatta tgggatacaa 180
tcaaagctcc ataaagcccc gaagttacgg ggacgaattc catgaagctc acacgatnat 240
caaaaccttc caagcatcaa taaccttatt aaccaagccc caagcaagca aaatgttcan 300
ggtaattcct ataacaacgg gcaagaccaa tccgcaattt ttagccgcta cgatagataa 360
tcaccgacca caaacggtca gtccctggaac tgatcccgc aatcctccagc agcaacagca 420
gcaggctatg ccacagcctc cacagcaaca acaaccttct gacaaccagc aatctcaaca 480
acagtaccaa caacaagcaa gcaaccgcag gcgcaagcag caacctcaac aagcagtcct 540
aagcagtttc aacaacaagg aacaccaagg aacaagaacc aagaacgagg tacaacaagc 600
aagccacaac aacaagcccc gtcaagcctg gtcaccagta tactaaattc cgtcatgcgc 660
gtcacgaaaag gnaagtac 678

<210> 1271
 <211> 247
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(247)
 <223> n = A,T,C or G

<400> 1271	
agagtgtgct acagcgtgga gagaagatcg acgatctagt ggccaagagt gacggcctaa	60
gcgcccacaa caagatgttt taccagcaag ccaagaagca gaactcttgc tgtattttga	120
tgtaatggac catttcattt ttcctggcgt tggacctggc ttnttttcag cacataaggg	180
atgtcggcat tgagattggt tattcgtgtg gcgcagatac ttccaatcgt ttatttaacc	240
caccaaa	247

<210> 1272
 <211> 594
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 1272	
ggaacggtag cgggccgccc ggttgctcgt cgtatggagt tcggtcctct atcgcggcct	60
tcaagatcgc aagcgcgaca taatcgcaaa ctacacctac cagttcgtcc tgtcatttat	120
gaaccagaag gcatgaagga aatggccgcc gagcgacact ttgaaatcag tgccaagtca	180
tgtttccacg ttttgtttgg tgataagagt ttcgtgttcc cgaagctgta ctttgagcga	240
cgagcccaac agatcgccca aggaccgtgg gtgctggtag atcagggcag gatgagggcgt	300
gacttccagt tcaagggtga ctataaggat gttctgggtc ggtcaaagac ggcggaacgtc	360
aacgactatc agattatcga tgttttcagt gaccatgtta cgtacgtggt gacacncgtc	420
aagacgcctg gcatctacct cactcaagct gggtcaaggt tgtgacaaaa attgtcatca	480
cccatgtggc taaaatccaa gtgcaagctg gcttatctac atcaaaacag attgggtngaa	540
agaaccagct ctatccaaga acctgattga ccgtcaggca atccacgacc cngc	594

<210> 1273
 <211> 502
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(502)
 <223> n = A,T,C or G

<400> 1273	
gctttttccag aagctcaccg tgtccaagga gtcctctgac atcaaggagt cttccaacga	60
gttggtttct ttcatacaac gtgcgcatcg tgaccaggtc gtccccgaga atgttatcga	120
gggcttgaag aagcagctcg ccaacaagaa ggacgcgcgc gcccgtagaga aggcttgctg	180
tgccatcgag gctatcgctt ctacgcgcga ggtctccgct gccgtcgagc cttacctcgt	240
tgtcctnctn cccgctgtcc ttgcgcgcgt ggcgacaaga tcaccgctgt caagaatgcc	300
gccagggtgc tgtctcgnca ttgctggcgg catcaacgcc aacgctgcaa ggntgccttc	360
ttacgtcatg gagtccatcc gaagtgccag aatggcccga aaagatggcc gtcttgactt	420
cgtcgagtac tcgtaagaac tccctgntaa gttggctacc gggttcctga ctatcctgga	480
tttcgagtca ttngggaacc aa	502

gttaacgtcg	aatcaagac	ccaagttgag	atctggggca	gtaacctcaa	cttgaaagac	420
gcgactgtag	attgcgtatt	gaangcttgg	gacattgaga	caggaaaaga	aactaccnca	480
aacagtgtct	tcggactcgt	tctcanacaa	ccgtcacaaa	g		521

<210> 1277
 <211> 619
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 1277						60
ncttaccatc	gagcaccctt	caggcgcacc	ccctcctcct	gtgcctgtca	acccaagcg	
cactgccaat	gtgaccaagc	tgcgcgattc	tggtaacaaac	gaatatcgca	agggcaagtt	120
ccctgaggcc	gttaagttct	acacgctggg	tgtgcagatg	gccatgcagc	gccctatgtg	180
ggagcctgct	gcgctcgtgc	gggaggagat	caagcggact	gcttgccaac	cgggcgcagg	240
cgcacatggc	gatgcaaaac	tgggctgagg	gtgccgtgga	tgcgcagtcg	agcgtcgagg	300
cgcgctgggt	cagaaaccca	aaggcttggt	ggaaaaaaag	aagatgtctt	ggccgagatg	360
ggcaaatttg	aaagaggcta	gggactggat	caaggagggg	attggagggt	tgagggtgaa	420
aaaggaaaac	tgggtgcactt	tttgaaggag	atcgaaaaga	ggatttgaga	agcaancagg	480
cttaaattaa	ccaaanaatg	gttgagtgtg	gntagaatca	aggcttgctg	aaagnttgaa	540
acaaaatggg	aggattcacc	cnagacatga	tanttnggtg	tnagctttaa	agggcaacga	600
ttagnagttt	ttaaggttt					619

<210> 1278
 <211> 570
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

<400> 1278						60
gtctcttgaa	aactacgcc	aggcaactag	ctgctaccga	accgccggcg	ctacatggtg	
gcaggagtgt	ctctacactg	cggcccagca	gcaacctccc	atgtcttctg	agtctatggc	120
tgatctcgcc	agcaaccttg	cggatgcctt	ctgggaagcc	aaggattact	cgtctgcggc	180
taccatccac	ctcgagtacc	ttgactcaat	cgacatggct	gtcagttgcc	tctgcaaggg	240
ctatcacttc	gctgatgcca	tccgtcttgt	cgtccaacgc	aaacgtccc	atntcctcaa	300
caacagcggt	gacaccggtc	ttgctgacgc	actgggcact	acaactgagt	tcctcgcaga	360
ctgcaangct	caactcaang	gccaaatcct	cgcgtcgctg	aacttcggcg	caaggtatcg	420
aggacctcct	gcattctacga	agganaccgc	nctgggtggat	ggacatccc	acnattctcn	480
gttgctgata	tcnctttcac	acaatgatca	tcttanacat	aacaggaagg	cggaatttgg	540
aaactggana	ggtattcaca	aaacaaaact				570

<210> 1279
 <211> 565
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(565)
 <223> n = A,T,C or G

<400> 1279

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 1282
 ctttcagcat ggtgtgaaga cggatcttgc cctactgccca cccaagtggg atgagaaggc 60
 actgggcctt aaggaatcaa gtgcctcggg ggcagcacc atgccctgta agatcctgaa 120
 naatgaagtt gaagagggcc aaacagtaca aanggggtgcc cctcttgtag tgatcgaatc 180
 aatgaagatg gagactatta tccgatcgcc gcaagacggg gtgatcaaga agctggcaca 240
 caaggaagga natntttgca aagcaggcac agtgcttggt atgtttgaag aacccccgaag 300
 gaaaggatgg agatgcatga ttgatttgga tataatgata taataaattc tggcggttaa 360
 t 361

<210> 1283
 <211> 930
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(930)
 <223> n = A,T,C or G

<400> 1283
 gtcccatctc caatctttca tcatgcccg aggcggtgtg gccgnccctn actatgaggt 60
 cgacatgatg tccgagtacg ttgccganat ggccaccggt gtcgtcacac ccgaggctgn 120
 tngnacttcg ccattccgca agttcgtgtc tcaaactctc acctngacac gattgcccag 180
 caccactatc ctcttggaa tgaactatct cgccaagagg atcaacacct tgaagggaca 240
 gggtccttat aaagcttntg agggacaggt ctggcggttac ctgaccgttt ntttgcctnt 300
 ggggaagtaaa gttcctcgat gacaacacct tccagaaccg ctcttggtcc gaggtgagtg 360
 gcatcgcccg tctctgagct gaactcactt gagtttgagt gggtcgagtc catgggctgg 420
 cgctctatg tcaatcttga catgagcaag gattaccagg ctgggctcga gaactggcgt 480
 gactggcaga gcatgaagaa gcgacagggt gcccgaggcca gccgcgagag ggtcgcattt 540
 gttgttcccg ccatcgatac cgacatcgcc aggtattttg gtcacccgcc agtcttctca 600
 atcgcgttac ctccaggaac aggttggcga atacgagcgc taccaggcta tgaagtccca 660
 gcaacagagc taccgccacg cgagtctggc tggggtcaca ctcttgggg agctcctnta 720
 attccccgat ctggctatgg cactcagact acgctatgct gntacgtnga gcaacgacgg 780
 tcaacgatgg gttttnaagc cgccgacaat acgcaatcga taccctaact ctgntataga 840
 cttttaccca attgggccta antctaaagg gcactncctt ttacnaaaat ntggacttgg 900
 ctgttaanga ntctgggtgg tganccanaa 930

<210> 1284
 <211> 578
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 1284
 gccaccaaaa gcaaaacgcc ctgtcgatcc attaccgctc cactttgggg gaacagttct 60
 aggaccaaaa aaagaaatat caacttgatc gcccgcgaa ttcgagtttc actcaattcg 120
 cttttataaa accgggacga ctttgcgcat atcgctcttt gtcgactttt tctaaagatt 180
 ctcaacaagtc gacaattgtg cgttgcaact tttgtcgcag aaacgcactc tttttctttc 240
 agaaccgccc gacctcatgt ttcgacgata cgcgctcggc ttctcgagcg tcggacgaca 300
 gctctcaacc atgagctctt ctagcactcc cgttgaggat atgattcgcg caaagatcac 360

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 1290
 ctatgattga ctcagtgtaa gcaattttaag cgatagtgac cattttcttt cgtgaacaat 60
 gtatcttcgc attccaaaat tagaccgcac ttcgggtattg cggagatctg gactcctcac 120
 cattgcatga gcagacctca accgtacca cagacagttc aaacgcgatc atcccctgat 180
 aaaaaatgcc attcatcatt caaggctcag tcattctggt tacagcaggc acgtctgggc 240
 ttggtctcag tgtagccacc aaactcgtcg aactcgggtgc aaatgtcgtg ataaactacg 300
 cctccaacaa agaccgtgct gacagtgccg tttctcaact ccaagaattg tcaaggaaac 360
 aagatccctt tcccaagtcc atcgcaattc aagccgacgt cactaagana tccgaaattc 420
 ancgttgggt agccgaaacc gttgctgcta tgggcaagct tgacgggtgtg gtgtcnaacg 480
 ccggctggga cccaattcgc gaacttttct gatcttgaca ataatgtcna tgaaaaagtt 540
 ggggataaat gttatgcggg caacgtcaan tca 573

<210> 1291
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 1291
 gcgacaacgt tgctcagcag cttgctaata atggaacatt ggctatcatt caaaacgcca 60
 ctgcgcgcgg ccggcctaag attcatgaga tggcccctgg tagccagggt agtcattttc 120
 tctacaaatc ccgggcccaac gtgcagttct gtatggcatc attggagcca catttcactg 180
 gccttggtgc ccgcaggaga ttaatgacaa cttaccatga gctacatgca tcaattcacg 240
 ccaaacactc gcaccttaaa gtgttgcatg cagttgggga tgatgcaact tccctggcat 300
 ggactacgcc tgtttccaag ttttactgtg taccagggcc taacgtgtca aaaacaacca 360
 taacacaggg agcaaacaaa atcattcaat gggcaaagaa gggaagaaaa acgccttttt 420
 attattggaa gcggtgtgtt ctgaagatat acctcctatc gaagtctggt ttctctntcc 480
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<210> 1292
 <211> 539
 <212> DNA
 <213> Fusarium venenatum

<220>
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 <222> (1)...(539)
 <223> n = A,T,C or G

<400> 1292
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 cccagaagtg ttcaccaagc tcattcataa cctaggcatc tccaagaagc tcggtttcta 180
 cgatgtctac agcgttgacg agcctgagtt gctggccatg attcctcacc ccgtccacgc 240
 cctnatTTTT atcactcctg cgcctatgtg ggctcgcggt cgggaaagtg atcctggttc 300
 aaaagagtta acatacgatg gctntggcca natgaaccgg tcatgtggta tanacagact 360
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 tttttaaccc anactgctct aacnaatcat naggagacac aggaccttaa ncccttgacg 480
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<210> 1293
 <211> 599
 <212> DNA
 <213> *Fusarium venenatum*

<400> 1293
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 gccccggctg gactgaccca gccctctttg ttgaagagct ctgtcgcgtt caggcaaaaa 180
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<210> 1294
 <211> 400
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

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 tgaggtagcc cagtgtctcc atggccatga gcacgatgga gatgaatctc actccacgc 240
 tgggtgaaatc cggctaccgg gccaggatcc cactgatgtc agtgacgaga ccagagaggc 300
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 gcgaanagga gaatttcaag gnattctttc ttnggcatct 400

<210> 1295
 <211> 565
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(565)
 <223> n = A,T,C or G

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 ctgcacgggt atatacaaat ccacaaccat tcaactgccaa cttgtaccag ccgaaataga 180
 atcttactta ccccgtttcc ctggaagtga ttgaactccc accgctcaat aatctaacca 240
 caaattcgtc atcatcatgg cgtccgtatc gtcacttgat aaagacttgc gcaaaatgcg 300
 cttggagaaa tacacgcctg ctgcagcgaa cgaagcgcgc tcatggattg aagacatgct 360
 aggggagaa cttccttcgt cagatctgct agaaggcctc aaaaatggaa tcctttgtgc 420
 aagctcgcca atcgcgcct accgccccca ggaatccgat tccagaaatc cgccatgccg 480
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 cttcnacaac acaanacatt cccga 565

<210> 1296

[illegible]

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gagatacctc	tccaacctaa	ttgacgacct	catcactgcg	gcaaggaccc	caaggatact		180
tttgaggata	ttcccctcga	cactcggcat	catgttggtta	agcccaagcc	gcaattcccc		240
aaggagtggc	gcatgaccnc	tgagcgtcga	cagcagcttg	atgagcaccg	gtcacgtttg		300
gncattgaag	atgtgaagat	ggctganagc	ggtcagttga	tcgaccngt	tcaagccatt		360
gaccaacact	tggtganaac	ccaccgagga	canaagaagg	ccaagnttgn	ggacntgttc		420
tt							422

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<221> misc_feature  
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<223> n = A,T,C or G
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gacggtgtct	tcattcaggcg	gccttcattc	ggtcaagaag	agtagaaaac	ccaaggcagc		300
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aaagaacatt	taccttgcc	caaagctcaa	ggggctgcag	tccggcaaca	ctcgatggcc		420
gtcagtatcg	ttgtccatga	tatcgaggac	taccgatcc	caagaacaaa	gagaggagct		480
cctcatgaag	acccttgagg	aagactatng	cgagtcgacg	cccaagtccg	aaatccaatc		540
ccggnactgg	gtcggccggt	gcgtctttga	acagatacaa	tggttgngac	gaccaatttg		600
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<220>  
<221> misc_feature  
<222> (1)...(742)  
<223> n = A,T,C or G
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cgtacaaaata	aacagacaga	caccatggcc	tcaccacaga	agctccgaac	tcccatcacc		180
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aagctttggcg	ccgcccgtctc	caacgctggg	ggctctcggg	tcattgggtg	tgctcggctat		300
acccctgcaga	tggtgcgcga	gc aaatcgcc	gagctcaaga	gcttctctga	cgacaagaac		360
qctcccttttg	gtgtcgacct	gctttcttccc	caggttgggc	gtagcgctcg	caagactaac		420

tacgactaca	ccaagggtaa	gtcaacgag	ctagtcgata	tcatcatcga	ggagggcgca	480
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<210> 1299

<211> 579

<212> DNA

<213> Fusarium venenatum

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<221> misc_feature

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<223> n = A,T,C or G

<400> 1299

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<210> 1300

<211> 596

<212> DNA

<213> Fusarium venenatum

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<222> (1)...(596)

<223> n = A,T,C or G

<400> 1300

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<210> 1301

<211> 663

<212> DNA

<213> Fusarium venenatum

<220>

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<222> (1)...(663)

<223> n = A,T,C or G

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aat 663

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<211> 601

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

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<210> 1303

<211> 617

<212> DNA

<213> *Fusarium venenatum*

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<222> (1)...(617)

<223> n = A,T,C or G

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<211> 549
<212> DNA
<213> Fusarium venenatum
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cttgacacct	gccagcacgt	tctcgacggn	aagccgnttc	gacggagcaa	aatctntggc	360
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cggcgctgat	gtcacatttg	aatgcactgg	aaaagagggt	tgtatgccca	caagcttgna	480
cccaaccaa	gctggngggg	aaagtcacat	tggnaggcat	gggaactcta	tncaaactnt	540
tcctttgng						549

<210> 1307

<211> 686

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(686)

<223> n = A,T,C or G

<400> 1307

gggaagggtg	gcaccttggg	gcaacgactt	tgtaagaac	aagggtaggg	gtaggatctt	60
tctccttcac	ggtgccccag	gcgttggaaa	gacatgca	gctgagtga	tcgccgagct	120
gaccaaccga	cctctcattt	ccctcacgag	cggtgattta	agtgtcgatt	cttaccacat	180
tgagaacaac	ctcagctatt	tcctcgagct	gggccaacgc	tatggcgctc	ttgttctgct	240
cgatgaagcc	gatatctatc	ttgagcgctg	ccgctccagt	gacatcaaga	ggaacggttt	300
agtatctgtg	tttctccggg	ctctcgaata	ctaccgagga	gttctcttcc	ttactacaaa	360
ccgggttcaa	tcattcgaca	gtgctttcct	gagtcgaatt	catgttgcc	tgcactacaa	420
gaatcttggg	cacgaggacc	gggagcgcat	ctggagtc	aacttcgacc	gtttgagccg	480
agactccaat	ggctttgggtg	catgtttcca	acgcagttcg	cganttttgc	ttggatagtt	540
gangatgtcc	gtagcctcaa	gtggaatggc	cgagagatct	gcaatgggat	ncaaactgna	600
cttggttgg	ctgagaacga	tcanaggaag	aaagaccna	gaatttnatc	nttggtngaa	660
gcacntttgg	nttgtggnta	aatga				686

<210> 1308

<211> 639

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(639)

<223> n = A,T,C or G

<400> 1308

ctcggaagt	ctggtcaatc	tgagaagctc	tttgccactt	gtatcctcgg	tgtggttaag	60
ctcagttccg	cttacctttg	tgctttcttc	ttgggtcgact	tcacgggcg	acgacgctcc	120
ttgtatgggtg	gtatcacat	tcagatgttt	tctattcttt	acatcgccat	cttccttagc	180
attgtcggca	cagaagctct	cgagaacgga	accttgaccc	catctcagaa	gcatgccggt	240
gtgggtgctg	tcgtgatgct	ctacctctct	ggcgtaggat	ggacaatggg	ttggaactcg	300
tttcaatacc	ttgttaacgc	cgagatttgg	cctcttcgct	tacgagcctt	gggaaagctc	360
catgacgatg	tgtctacact	tcgccaatca	atacnggnac	acaaangctg	gtccgttatg	420
ctcctttcca	tgacaagcgc	ttgcttcttc	ttcttctggc	agtgggtggct	acttggttta	480
ttgggtttgg	cattggctct	gaatggctgg	ccgatcgta	gacctgacna	gtggctctct	540
accttgncca	anatggncgc	atggaatagg	nttgccctgc	aatgaancct	attgcaagga	600
taaagggttag	taaggcaaat	gttaataant	tggcccaaa			639

<210> 1309

<211> 623

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 1309

ctccaagctg	cactctacag	gaacctcgac	ggagtctcgg	gtcatgctgg	ttggcaatgg	60
ctgttcatca	ttagcgggat	aatgacgata	ttctgggggt	tcattgggtct	acttgtcatt	120
cctgactcac	ccgccattac	aagagctctc	tggctcactg	acgccgaaaa	agagcttgct	180
cgtcttcgca	tgaacgactg	tggtgcaaaa	cgtctggcat	catccctctt	aaaactctcg	240
ttcacaaact	caaacttctc	gtcatgagtc	cattgcgtat	ttggttctcg	cggcataatct	300
tcaatttgca	tggagtcagc	gcgcgaaactc	ttacttcttg	ctcttcctca	aaggactaaa	360
caatgcggat	ggaacaccac	gttattcaag	tatacacctg	aacctgatcc	actcggcgga	420
tatgctatca	agtatagtct	gcaatattgg	cctcaacgcc	ctcancgatt	ggaaagcgtg	480
gcgttggcag	gtaagtgcgg	cncgccaat	tcaacttatc	gcaacattgg	tctttcagnt	540
ggncgtgatta	tggaggaaat	catgggcttt	acttcctact	ttgntactgg	anttggggan	600
atgcatactt	gntggggggg	cna				623

<210> 1310

<211> 512

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(512)

<223> n = A,T,C or G

<400> 1310

ctacaactcc	agcaccgtta	atgacgtgca	aaatgtaatc	acacaatggg	ctganactct	60
gccggtgata	aatgacgang	aagcggcgcc	ctatgcctat	gcatacttgg	ctgagctgat	120
tgaaaagcaa	cacccagctg	ttgttaacca	ggctggcaag	gttttcgttt	tcattgcca	180
agcccttgag	gcggagacac	ttgtaggcca	gactgccaac	cgcgtagtcc	aagttaccaa	240
aggactcctg	cagtgcactt	cagttgatcc	ttcgccgctg	ctacaacagt	tctctcccca	300
ggcgcaacaa	acaatcatgg	gattcttcaa	ctagacgtgg	acctcatcag	tgttggttat	360
cgcgaantgc	cgcgtggctg	ggattcaatg	aacgtcnatg	gtagttattc	ccataaagtc	420
ncgaagcatg	aatctaaaaa	attangtcng	attgataagc	tncnaathtt	acgaaggaaa	480
natgaatttg	ttccngatga	taccaaataga	tc			512

<210> 1311

<211> 625

<212> DNA

<213> Fusarium venenatum

<400> 1311

cttttcttca	atcaacctac	acttcacga	catactcagg	ttcttaacct	taacgcatat	60
tctacgactc	aatacatata	ttcagcaaca	tggctcctcc	gccaaacccc	aatcttcttc	120
tccaggaaga	gacttatggc	tcttgcccaa	acccttcagt	tcggttggtt	tgctcgacac	180
ctcacctca	tcctcgcaac	gattcgatat	ggcttttctt	ggttgagaat	gaactactat	240
acccgcatgg	cccagttctc	ttaccgaaca	gcctttgtcg	ccgcgcgcgt	cacctatggc	300
atcgtcgtct	acaagacaat	gcgcgctcgt	gctaagagcg	gccagcgtgc	tgctccact	360
cccttggtta	tgcttgccga	tgagaacatt	caatacctcg	ccatgtctct	tgtttggttc	420
ttctgcccc	aatatcctct	cgccttgatc	ccttatacca	tttactcggt	cttcacggt	480
gccacctaca	ctcgcgccaa	cttgatcccc	gctgttctag	cccccaagcc	tgctcccgaa	540
gctggagggt	gctactccca	gccgctcgaa	acaagcgtcg	aacacctctt	tgctaaccaa	600
aatgggcgct	tttggttaaag	gagta				625

<210> 1312

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(856)
<223> n = A,T,C or G

```
<400> 1315
cccagcccca ggtccagaat ggagttaagc ctgaaggcag ttatgtcaag actgagtctc      60
ccgtacccat caagcaagag cctggttttac agggtaaccc gatggcgat caacagtagc      120
ccaaccccaa cataaacatg aacgacaaga acaacgtggc tgccgcccgc gctgccaac      180
aattgcaggc tcaatatggc cagcgtgctg caggctcgat caacgctttg catcagcaac      240
aacaaccaca cccccaacag ggccagcagc agcagcagca gcagcaacaa cagacacatc      300
atcaacagca acagcctggc caacagtcga acctgacca gcaacaacaa catcaacagc      360
agatgtatcg tcagcagatg gcctctgcaa ctgcccacca acaacaacag caccctcca      420
atgggtcaacc ccacatccag aatggccaga ccgacggtgc tggcgacgtg gacgactacg      480
agggtgtgct gatgcagcgg gctgcttctg gtgattttcg cgaacttgga cgggttgaga      540
tcgaccgcat gctgcacgaa cagatccttg gccaaaggta anagtttgga ggggtggcggg      600
ctgatgggcc cctgaagga agccaccgca cactcgtcag cttcaacatc acgcaaggcc      660
aagggaaagc aaccgcgcgc gtttgacgga ggtgatgacg atgaagaaga cgatgacgac      720
gcttttaact cggaccttga tgatcccgag gatgaccgcg aatgatgatg atgtngacga      780
cgaaggactg ggcacatent gctgtgcatg tatgacaagg tncaaccngt caagaaacaa      840
ntggaagtgc ccactt                                     856
```

<210> 1316
<211> 1669
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(1669)
<223> n = A,T,C or G

```
<400> 1316
acttctccct ctcgttccag gtcaatatca gtcaagattc ttcattccaa cacctcacac      60
atcctctccc cagaaaactct aggccagtcct cacttcgtct cactctcaca cgagatcgat      120
cgcttctggt gtcacatatt actactccga tccaatcaat caaaatcgtc aagatgaagt      180
cttctctcct caccgttttc ggccctgggtg ctgccgcccgc tgcccagagc tccggcgacc      240
tccctcagtg tggtaaaact tgtgccagca acatgatcag cgctgccaag tcccaggagc      300
ttggatgtga tgctggtgac gttagctgcc tttgcaccaa ccaggacttc atctacggtc      360
tccgtgactg ctccgctgct atctgcaacg acgagcaggg cgctgctggt atcgccctacg      420
gtcttgccct ctgccgccaa gctgggtgtcc agattactac tggtagtgct ggctccgttt      480
cggcctctgc tactggcacc ggtgccgttc gaactgtcct cagcaccctc gttgagagtg      540
acacaaccat cacttccgcc gtctccacca tcagcggtag tgccactggc ggcaacgaag      600
acgacctctc cgctcagcacc tacactagtg ttttcaccaa ctctgcgggt gatgaggtta      660
ccagcaccat caaggagatc ctccggtggtg ttgccctgac tacctacacc tctggtggat      720
ccaccatcat cgagcctgtc gagactgcct ctgcctctga ctctgcctct gcctctgcct      780
ctgcctctga cgggactgag tccgctgagg tcaactacct caccaccgac ggcaccgagg      840
tcgtccgaac tctcgtcacc gagactgctt ctactgactc tgccgactct gctgaggtca      900
ccactttcac caccgatggc accgaggtcg tccgaactct cactaccgtt accaccggta      960
ctgagtcgca gtccgagtcg ggatccgtgt cggagactgt tactgacgcc tccaccgtca      1020
ccgagggctc tgacactgct accggcactg atgccgcggc cagcgccacc tctactgaag      1080
ctgacaacgc tgccgtcgct cagatgaccg gtgcccctat tggcgtcac gcagctgctg      1140
gtatcgctat gtcctcctt taaatgaagg atggaccgga ttttgatggt taatgctttt      1200
acgttgacac tgtttgttac ataattcacg cctgtacctc gatcttttg gaccttagca      1260
tatttcctcg gtgcaaggag tcggtttcg gaagaatctt cacattatgg agaaatggaa      1320
acgaagtga tggacatgac aggtcaggtt ttttcgaggg tttaatgacg gatacggctt      1380
atctctcctt taatggacac gacaagaaat gttagagaac ggatgggac tttgatgttg      1440
```

```

tttgtgaggc gaggcggtgg tatgacatgg gagacaacga cgggagacgg catgctcgtg      1500
ctgctgtcac acaaggcctg tgtcgtcttt gatggttaca tgggttctgg gatggtggtg      1560
atacccggcc tacggcctga cttcgggggg ggactttact tctcacattc attgagaatt      1620
agtaatatagat aatcttcttc acacaaaaaa aaaanaaaaa aanaaaaaa      1669

```

```

<210> 1317
<211> 584
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

```

```

<400> 1317
cagcataaca cagcacagca cagtagatac aaacagatac gtacctatat aaaactggct      60
acatctcaga tcacacctcg attctgtctt ttgagttacc tgttcattct catcatcatt      120
ggctctgttc aacaaccaac tgtctatata aaccactcaa taaccactc cactccatt      180
cagatctata ttctcaactt gacccagaaa agtgacaacg atcatcatgg ctgactcttc      240
aatcactttc ctgcccctcg gcgccattat tcaatctctt gtcgtcaacg gcgtcaacat      300
cgttcaaggc ttccccgccc aagaagacta tgagaagcat aactctccct actttggcgt      360
gaccgttggc cgcggttgcca accgtatcaa ggacgctcga attgacagcc tcaatggcaa      420
ggaagtcatt cttgccgccn acgatggaaa gaaccatctc cacggcggca gaattggctg      480
gagcactcgc gtctggggang gcccaagccc gttggcaccc gtgaagtcct ggtggtgaag      540
gtctggaagg cggaaaaanc gttgctttta cttactagc gagg      584

```

```

<210> 1318
<211> 551
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(551)
<223> n = A,T,C or G

```

```

<400> 1318
agccattgag actctctctca ccaagactga atggctcgccc aagcgcactt tgatcctcgc      60
at ttgggttc gacgaanagt gctcttggtc ctcggtggcg tgccaagaat ngaagagttn      120
tgacggagcg atattggcna taatggaatt cccttcattt ttgatgaggg cggttcgggga      180
gttcatntcn tcgacgacac gctctacgtt ctttcttagt gcaggagaaa ggcgcgattg      240
acatttgggc tgaactccgt gtcaagggcg gtcacaggnt ntatttctna cccacacacc      300
gggcattggn atnatttccg agattgtcaa gtgccctcga agcaaaaccc ctactngcct      360
ggtttttgtc aaggacagtn cccgtgtacn ancaccttgg tgtgtttgna cgttaattac      420
canatgccca cccaagttn agngaactct taaanaagga cgaccttgaa aaaggtgact      480
ttttgncttn aattcgtttt tgacccaagc gcaaaggtta ccattttaaa aaaccgcaag      540
ccgtggaaat a      551

```

```

<210> 1319
<211> 342
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

```

```

<400> 1319

```


tatacgtata	gaagttatng	ctttttacaa	tctgccan	aaatatgaaa	gctttccgat	120
tcgccaatgc	cgncganggg	ctcaaactat	gcgacttgcc	agtacctgag	cccagtgaa	180
ggttcgcgct	tatccaaacc	aaagcagctg	gtctctgtca	ttcagacaca	catgtcttac	240
acggcgggcgg	aaaagcttgg	atgtgcaacc	tgcccatcac	tttggggcat	gaaatgtcag	300
gggttattgc	caagttgggt	nataaatcct	ccccttttca	aatcaatgat	cntgtggcaa	360
tggcctgtgt	cgggcacccc	attgaagaac	gaaacttctc	ggaatgcctt	ggtgttggag	420
tccacggaag	atatgccgan	taccggttgc	gccgttcaaa	tacctg		466

<210> 1323
 <211> 654
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(654)
 <223> n = A,T,C or G

<400> 1323						
agcttattgc	agcctcagac	aaatctgatg	ccgacaaaga	tttcattggg	cgcgcccttg	60
aaagatcaag	agagcagtct	ctatctcgct	acgaacagcc	cggtacgac	gaggagaccg	120
gtgaagggttc	tcgcgggttg	tactcatacg	ttttcaagaa	ctctcatatg	gccttcgata	180
gcgagcaatt	ctctgtcttc	agagccttgt	ggaaatggag	agataacaca	gccaggaagg	240
aggacgagag	caccaacttc	gttctcagta	ccagggacat	tgcggaaatt	tctcgcatca	300
acccaccgga	cgcaaaagcc	ctccacagct	tgctgcctct	taatgcacg	ctagccaggc	360
cgcgcttcaa	cgagatctgg	gggtacatca	aggagtccaa	ggccaagggg	ggccgaagtt	420
tgcttcactt	ttttacttcg	atggcccaga	cagtcttatg	angaatggcg	tcctattggg	480
ggcaggaaga	caacaaaagn	taccagacct	tgatggagan	gncacaagca	gtaggnttga	540
ctcgatcgca	gttatttttg	gagatatgnc	cgattaagta	cctcaagnng	gatgttttga	600
ccccgacgtt	ccnaaacttg	aggagggact	tatttccgtt	nccctggnaa	naag	654

<210> 1324
 <211> 488
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(488)
 <223> n = A,T,C or G

<400> 1324						
tagcaagcca	cgtttcttta	caaaactcgc	gtaatagcta	ccgtaggctc	aagatgccta	60
tctgcacga	atgcaggcac	cccgtgaaga	cgctatggac	agcatattct	ggcgcagggg	120
acaaagcaag	tggacataat	attcgactta	ctgtctgtcg	caactgtggc	tgcttctgcg	180
acaagtatgt	cgagcatgac	tttgtcgttt	tattcatcga	cctggttctt	ataaagcctc	240
aggtgtatcg	acattttacta	tataacacgc	tcatgcgcga	cgatgatcga	ctagatcatt	300
ctatcatccg	tctangtata	ctgctacttc	tctttgatgt	gtacttaaca	tgggcacggc	360
tgganaaaca	gacagtgcct	gacgctcttc	caggaacgan	caatctaggc	aaattggcac	420
aacaaccaat	tgtccttcaa	tatctttctc	ctaataatctt	gcgccctctc	aaccgcanca	480
ttccatgt						488

<210> 1325
 <211> 455
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(455)

<223> n = A,T,C or G

<400> 1325
cccttcagta gagatactcg agatgatgac attatcgagc cgattttctcg tacctattcc 60
aactccatca naacacttcg ccgtcgacgc agtgccggtc ttaacctgtc ccaagttcgt 120
tcggnanaac gtgtcgctac cgttgcttcc tcgctgtttg ttatcggcaa tactgctcaa 180
ggccctaagg agcgtccgtt ggcgagagct ccgacacttg ctgtagggga tttcccgaac 240
ttgtcgcgtg aggtgacaat tgggcgcaat tccatattcc acaacttgtc atcggaggac 300
cgagatgagc ttggcgggtat tgagtacaaa agttttaaagt tactcctcaa gatcatcggc 360
ggatactatg ctttctctcca attcctgggt gctgtctgcc tgataggatg ggtcaaccac 420
nctcccagca agtatgttga ctacatcgct gaatg 455

<210> 1326

<211> 578

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(578)

<223> n = A,T,C or G

<400> 1326
cgcctcttca aaccgctcac aactcactca actaaacgac tcttcagtag atctcggttc 60
acaatgggag ataatatcaa gcgcaatcct caccgggatt tcaagggcgt cgaggcttct 120
cgccccgagt ttgacaacac ctctgagttt cactacacca agactgttga tgcgttctgg 180
gctttcgggtg cgggtgcgaa caagcttggg aaggatgatg ccgataagaa gcacgtcact 240
ataaatcctc atgaggaggg tcgtcctgag ggcttcaact acaaattcct catctccgcc 300
atagttcccc gtctatcgcc ctttgtgagc agtcaagcac ccgacggcac tcacaagaac 360
ttggcgccct ttagctactt caacatgatg aaccacgatc ctcccatgtt tgtcgttggc 420
ttctcatcca gtctcgctgc tgccaangac tctctacgca acgtcgttga ttcggggcgan 480
tgtgtcatca acatcatctc cgagcacttt atcgaagccg caaactcatg cagtgtgaat 540
gccccacggt cgtctccgaa tggganattt caggcctc 578

<210> 1327

<211> 590

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 1327
ccagcccata ctcaactgaa gtatcgtcag gctgggtcaag gtgggtgatgc cgacgaacat 60
cctactcgcg acctcgctgc cgagcttctc gccgctgaaa gccgcccatt tcaccaagaa 120
agaacggcgc ccctgctatg atcgacgatg ccgacgagga cgacgangcc agcgtttctg 180
gtggtnccaa acgagcgctt ccaaccacag atggagaagg agaagaccta gaagcgaaaa 240
gacgacggat nttagcagag acaagagata ttgatgccga tgacgacagt gaagaggacg 300
aggaggacag cgacgacgac gacgatagcg atgatgattc tgatgcggag ctacagagag 360
aacttgatcg cgtgcgaaaa gagcgagagg agagaaaagaa gaaagangaa gccgagcgtc 420
tccnagaaga acaagatgct cgagaacgaa acnttgccct cggaaatcct ctctnaacc 480
agccagattt ccaactgaag cgccgttggg acgacnattt gtcttccaga ancaagctcg 540
tggcnccgaa gaaaagggcc ngaagaagga ttcgttaacg atctcctccg 590

<210> 1328

<211> 465

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

<400> 1328
 tggtgaggct gaagaccctg cccttcagcc cgacgacaac tttttggttc actacgccgt 60
 ctatcaccac ttcagatcgc ttggttgggt tctctgtggc ggtatnaagt ttggtgttga 120
 ctggatgttg tacactcgag gacctgtttt tgatcatgcc gagtttggat tgattgtcat 180
 tccgcctact ctgatgccct ttggaaggaa agcggaaagc agaagccgna aaagacctgg 240
 caatggcttn atgggactgt gcgcgtcctt tcacacgtca ccaaaagtct tgtgctngtt 300
 tatngtggat gtgccacctn catccaaatc gaacaggctt ttgagcaagg tgtnggncga 360
 ggccctgagc tatncaaagg naaagaaatg atggtcaanc atggcaagca atcncacaga 420
 gatgatgagn ttacgcttat ganaaacntt gaatggatng aaatt 465

<210> 1329
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 1329
 gatctactgt ataaacaggc attgcgactc atactaatcg ccggccttct catcacagtc 60
 aaagatgcat atcctcgtaa ccaatgatga tgggccgcca tcaccacatt cgtctccata 120
 cgttcactgt ctcatcagc agctacaaca ggccggccac actgtttctg tatgtcttcc 180
 tcacacgcag aagtcattga ttggaaggc acacatgatt ggtcaaaacc tcaagcctgt 240
 gtactaccgc ctttcacccg tcgtccatgg tgatgattct caaggtagca ctcaccatcg 300
 accatctcct gaaggagatg ttgaagaatg gatcttggtt gacgggacac cgctcttgc 360
 gttcagattg gtcttcacca cttcttccaa gatcgaagaa ctattgatct tgtcgttagt 420
 ggtcccacta tggcagaaac accactgctg tctttgctct tattcangaa ctctaagtgc 480
 cncctctgga gcgctgtttg tcaaanaaat tcaattgcct tgaactttgg cttttcttcn 540
 ccaggnaaac acaaacccgg tcatcattca aag 573

<210> 1330
 <211> 328
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 1330
 nnggggttngg ggggtttncca atccattgag gntggaagcc tgggatccaa ncttggttgg 60
 nttgttacca accgaaacct taanttcgag ggaggacctt gaccagcccg tctntaatgt 120
 catggttaag gaccttgtca ctgntcctga gaccgtcact ntcttgaagc caacaagatc 180
 ttttcaagtc caaaaagggc aagctcccta tcgtcgacaa ggactccaaa ctctgtcttct 240
 atgatctctt cgtttccgac ttggaccaag aaccancatt ttcctaatn gctttccaag 300
 ctttccgaca gnaaaagcaag ntcctctg 328

<210> 1331
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 1331
 gctcaattga acgctgcccc attcgcccaa catgttcgtc gcacgacaaa gggcagcctt 60
 cgtggctcga cagctgcagc gaacagcagc aacctacgcc tccgacgccc acgctcacca 120
 caaggccgcc gaagttaacg agtcgttcag caccggatct ctctcgtctg tcagcggttt 180
 cttcggctcc gttctcattt accagtttgt tcccgcgcng ggcgagcaat cttcaatcct 240
 caacttcatt aacaagtaca cttcgcgcag caaggactgg gaggaatca acgctcttca 300
 caccaaggcc atggagcagg ctggatacna ccgaaacctt ttcgagaacg gnggcaacaa 360
 gcaccgattc gtcgatgttg cataccccga ggcaatctct tcgtatgcta accgaaacca 420
 cattgntggc catcttgcca acatggacta cggtgntgag cactaccgac aacagcacct 480
 naaggaggag gagcgaaaag cggccaagtt ggcacaaaag caggaataag ggatgtncac 540
 tagacgtgaa ttgatacttg aattcatttt tcattggggc caaaaa 586

<210> 1332
 <211> 736
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 1332
 naggaggnga tggaatnctg acatggatca tgagctntgc ntccnaacc ngatgatctna 60
 actaccnaat cnatacnatg tgtctgtgat actgtcgtng caacatgnaa gcataacaat 120
 ttgggcaaac ttcttgatcg agancaactt ntaggaggan ngtcaacaca nccnagactn 180
 caagctttga gcttgagcga gatgcccatc tcatatcgcc ccaacataca agtacgatgt 240
 ggggactggc cattatgaca ccacgtgata agagacgaag ccaccgcttg gtgtgatcga 300
 ctgcttcaca gaggtcgcgg tcgaatataa cagtttgact acagacgtca cgaggttcga 360
 agtgaagcga ccaccgacct gtgacaggaa cctttaatct ttgggtcaat aagggtcaacc 420
 ccaggggtag agcaacggcn tggatggaaa gtcagcaaag ctttgaggat atgcgtgaca 480
 aggaaacctc tgaggataag ctctgcttcc tgagagatat ttgcggattt gacgaagcaa 540
 cgagcaaaaag gctcatnaaa gaaagatctg nanggcgtga aaaccgcacc ccgtgcgcac 600
 ttgaagtga tgccatatca taccatatca tatannagac ggcttggnntt aatcgtcaaa 660
 acgaggaaca tganagccct natngattgg ataangttaa tcggantttt aagggtattg 720
 ggcggtttga agatac 736

<210> 1333
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 1333
 gcactgaact tcgantcttg attttcttan ctcttcttga tctttattga accattcaag 60
 ccctcagcgc tgcctagccc ctgatattga ctgtctctgg ctattgacct gcataattca 120
 aacaagactc atatccaaca ccccaataa tctttttttc atgtcagcaa tcatgcctta 180
 caataccaca gctattcccc ctcgtaagga gcctacagga caaaaccaac ttccgctctc 240
 aagagtcaag aagattatcg cacaagatcc cgagatcagc ctctgctcca acaatgcagc 300
 tttcgtgatc acactcgtcg ctgagatgtt tgtccagcat ctagcagagg aatcacacac 360

ccaagccaag	ctagaccgca	agccccgtcg	aaacatccaa	tacaaggatg	tgcctccgc	420
cgctgcacat	cacgacaacc	tcgagtttct	cgaagacgtt	gtgccaaaga	cggtgcccta	480
caagcatatc	aaagccgctg	ccaaggcaac	acaagcacgt	cttcaagggg	agaatggtag	540
caaccagacc	atcaactttc	ccgtgggcga	aangcaccna	gaagctcac		589

<210> 1334
 <211> 952
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(952)
 <223> n = A,T,C or G

<400> 1334						
gtgatagtc	tgcctggggt	ctgacctcat	ataacgcttc	gctcataatc	caacctgtct	60
cagtgaatac	aatggcagat	ctcggtcttc	ctttccactc	catctccggg	cttcccaact	120
tccgggacct	cgcaggccgc	ccacttccta	ttaagtcacg	ccccgaccac	acgatcaagt	180
ctgggtctcgt	cttccgctca	gcagagccgt	ctcgtctcac	cgaagacgga	atcgacgcgc	240
tgcagaatct	gaacatctct	cacgtttacg	atctgcgctc	ccgtactgag	attgagcgct	300
acgccacggg	aactcgtgag	tggccaggcg	cgaacgctgt	ttttgttccc	gtcttcctgg	360
atgaagacta	tggcccagag	gctattgctg	tacggttcaa	gaactacacg	gctgagggaa	420
gcgaaggctt	tgtggaggct	tatcgaggaa	tctgggaaac	gggaacgaaa	cctatcagaa	480
ctatcatctc	acacctggcc	aggccagacc	cttcaccttt	actcatccac	tgcacggcag	540
gcaaggacag	aactggagtc	atctgtgcat	ttatcctgtc	aatctgtggc	gtagatgata	600
agaccatcgc	ccgcgagtac	gccctcacag	aggtgggact	tggtgatttc	ggagacgagc	660
tttcaaagca	gtgatgaaga	tcctgaact	ccaagagaac	cccgaagggt	ccaaacgaat	720
gcttggagct	aagcctggaa	acatgctggc	agccctgaga	acattaaaaa	aacagcntgg	780
ctctgtgagc	aataccttgt	caaagtactg	nggctgtcaa	aaaacnatct	cgaccagggt	840
cggaaaactt	tgntcgtccc	catagcaacc	aatagcctca	gccnttaagt	ntncccatgg	900
atgcaaaaga	tcaancgtcc	ataatcaatn	tcaagatcnc	nttttaacca	nt	952

<210> 1335
 <211> 427
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 1335						
atgaaacatg	cgatccgact	acacaactcc	ggctcttctca	cacctagcga	tcccagcagt	60
gctgagatac	tgcaaaaagt	tgaacacaaa	tcaggactgg	aaaacatcgc	anaaaccttc	120
aagattaagc	gtgtcggtta	tgcgcatcaa	gcaggatctg	actcattact	tactgggaag	180
gtctttttct	ctatgcgcga	caagatcttt	gccggtgaca	tccttgatga	gcacgttggt	240
aaagtttggg	gtctcggatt	ccccgactcg	acctctaaca	ttatgtcgat	gacgaaccag	300
caaagcaaca	atgacggcag	acaaatggca	acgcacccag	cacacccaac	actacgagtg	360
tcgggctggg	actacccctg	gacctcangg	cacaatggca	tcctcaacac	angactatga	420
ccctgga						427

<210> 1336
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(573)
 <223> n = A,T,C or G

<400> 1336
 nttctcatct aaatnagtca acatgaagct gtccgctgtc acccttctca ctcttgccac 60
 cggcattcatt gccgctcctg tcgctgaggg cagcaaggag gtccgttctt acggcagcta 120
 cgagcccccc aagtccactt acgagcagcc caagactccc aaggaggaca agccaagaa 180
 gcctgagtac aaccagccca aggctcccaa gcctcaccac gagaagccca agaagcctca 240
 ccacgacaag cctaagcact acgctcctcc tcaccacgag aagcccaagg ttcttaagcc 300
 tcaccacgag aagcctaaga agcctgctta tgagcagccc aaggccccc agcctcacca 360
 tgagaagccc aagaagcctg agactcccaa gaagcccgag tacaaccagc ccaaggctcc 420
 ttaagcccca ccacgagaag cctaagaagg ccggaaactt ccaaaaagcc cgagactcct 480
 aagaagcctt tnttacgaga agcctaangn ttccaaagcc ttnatcatga gnaagcccaa 540
 gaagcctgag accccaagaa gcctttctta cga 573

<210> 1337
 <211> 574
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 1337
 atcattcccc gctacgataa cggcaaacat tcagaagggg acgagggttta cttaaattctc 60
 tccatctgca ccctccctaa gtcattctct ctcttcttta ttcaccaacc ctaaaagata 120
 ccccagattc caacgtctac taccctcac tcaaaatgtc caacggtaca aacggcacca 180
 acggcgctc gccgcaatca aagttcgacc ccaactttac agaccatgtc attggcctta 240
 tgagccccga gaccgagcct agacagcgcg agatcctcac ttccctcatc cgtcacatgc 300
 acgacttctg cagagaagtt gagctcaagc aagacgagtg gatcattggt gtcaactaca 360
 tcaactctct tggtcaggcc tacaagaaga accgcaacga gacatggcgt gtctgcgaca 420
 ttctcggtat tgaatcgctt gtcgatgaga tcaaccacaa ggtcgtcacc gacggtggga 480
 aaggtcccac atcctccagc atcctcggtc ccttctggtc tcccagagacc ccttccgcga 540
 actcngtgggc agtggtgttc aggacatgcc caag 574

<210> 1338
 <211> 625
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 1338
 tcttcgcaag tttccgcgcg gtgaaagatg tccagaatgt ggtgctaggc gatggtatatt 60
 ggaaaatggt ctgcgtttct gctccaacgg acatcaagtc gagggatttg ttcaattcga 120
 tataggtagc gaggtagatg ctggaaatct cggaagagta gccagaaagg aaaagggaagt 180
 caaagaaaaa gaacttcgac atctcattgg ccaagcagga aggaatctct ttctcgaatg 240
 cctgcagctg gttttgagaa accaactttt atggctcata acaagcaaag gtcacgaggga 300
 agaacttgag actgtggtcc gcgacctttg ggatcttcgc acccgcgggc gtggtgcgct 360
 tcccgtggga gaagagacgc aagaagcaga acaggatgaa ggtctcgcat tggtcagctc 420
 tcagcctaca gctgatgcga agatcaaagg caacgcgccc aagaaacaac acacaagagc 480
 ccagagctgg aatccagagg agaatcccga ctggccaatg cctaggatga ttgacacact 540
 ggctttgtgc taccttgggt gcttgcgtgc cagaatacct acagncatcg gtgaactgng 600
 tctttggggc aatgctggag gaatc 625

<210> 1339
 <211> 883
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(883)
 <223> n = A,T,C or G

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<400> 1339
caagctcttt gttttgtttt gttttgtaat acaatcaa at acaaatttcc tatacatgca      60
gacttgattc ttctccctgg cactcggtag ttgaacatgc aacgtttcgg tgcgtcggc      120
caatgccgat tcgctgcacg tcggttgacg ctgcctcggg atgtcgcgcc ggtaacagcg      180
acggccctga gggcttcatt tctgtcgcaa aggacatttc atacctctcg taccgctcta      240
tcgaaacctg agggatcatt gggcgtcaac ccgaacaact tcgaagagcc caccgatctg      300
gcacgcaaga tattctccga attcgttttt gcatttgagt acgtcaatgg accttcatat      360
atagttcctt caccaatatt gatggcgtct tgtatcaggg ccgtaacagg gtggacggag      420
ctgataaggt tatcaaaatg ctcaagaagc atggtattag atatgtattc ttaacaaacg      480
gtggctgctg tcccagagagc aagaaagaag aaagtttgca ggagcgactt cagattccta      540
agcatgaaga cgccataaag ggaagaatga ttctttcgca caccgcaatg aatggttgga      600
gtgaggatat aaagaaagat ggcacgattc tgatcacagg ttctcatcct ganaaagccc      660
ggcagattgc tcttgattat ggctttaagc gcgtcgtccc ccancaaana ttnttgctga      720
gtngngngat gtgttccctt ttgagcgcat cgagggngaa aaaaatggca aacctgtgcc      780
ttttctgatg gcaaagcgaa tcctttgctt aaaagatcct attncacgaa catncccgca      840
aatgccctaa aaatgaccat ntttttatct ggaaccaccc aaa      883
```

<210> 1340
 <211> 578
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

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<400> 1340
cctcgaccaa gtccgtctcg tctgcgagct cgttggcacc ccaacagacg ataattggcc      60
tggtgtcact aagctttctg gttatgctgt ccccggccaa caccctgtgc gtggttaagga      120
ctggtagcag atgcgcttcg gcacggtcgg ctctgacggg ttggacttgc tcatgaagac      180
actcatcctt gaccccaaga agcgtatcac cgcccgcggt atgctcgagc acccctgggtg      240
gcactccgag ccaaagccca cgcgcaagca agaccttncg cgaaaggggc ggacaggagc      300
tgatgacaag atgggtgctg atctcaagcg acgtccaggc cgtgattgat gatgatagag      360
gggtccaagg tgctcgcaag cttgactttg gcggtatgaa ctagatacag gtagatttga      420
catggatata atgggcgcaa gancatatgg catgaacttt tgggggattc ttttggcggt      480
tgggtttgcc aagtagatgg agagcaatat gtcacatcta gtnaaacaag tcaggtagca      540
tgatgcaaaa tgagaaatct attagacact tcaaaaaa      578
```

<210> 1341
 <211> 591
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 1341

attggtcaga	cccatctatt	aatcgtttcc	ttacaggctc	attcttttct	cgtcaaactc	60
tcccctcaca	tccatccac	catgcgtcct	ttcgccctct	cgacagccgt	ctttgtgacc	120
gggaccgctg	ctcagaatgc	ctggaaaact	tgctacgatg	gactgttcat	gatcgctgca	180
cgaggcacga	acgaggataa	aggatctggg	agaattggag	acattgccga	agctgtcgcc	240
aagcgtatca	atggttctca	cgtctacgga	ctcgactatc	ccgcgacatt	tcaagaaccg	300
gactacgagg	aatccgaggc	tgatggcgta	aagaagctga	aggacattct	cggcagctat	360
ttctaccaat	gtccaaacaa	caaggctcgt	gtctttggct	actcccaggg	cggccaagtt	420
gccagtgatg	tcttctgcgg	cgggaagtgg	ggggatttcc	caaccaacga	acccgttaca	480
gttaaagatg	tcgaaaagaa	cgtcattgct	gtcatcacat	ttggtgacct	aagccacgtg	540
gcaaacgtct	cgtacgaant	aggaagcaca	ttaacgacgg	tgttttccag	c	591

<210> 1342

<211> 629

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(629)

<223> n = A,T,C or G

<400> 1342

gcaaggacca	aagccgngct	ccttctactt	ataatgatcg	nggcaacaac	aacatgggcg	60
gcaacttttg	tggttctgga	ggcggctttc	gaggaggtag	gggcgggttac	aaccgnggtg	120
gcatgaacca	gggtggctac	aaccgtaact	tcaacaacaa	catgggtgga	ttcaacaaca	180
acatgggagg	cggatacaac	ggatctatgg	gagggtggtg	taactttggc	ttcaacaacc	240
gcggcggaat	gatggggggg	ggcatgcgag	gggtcctgg	tggtatgcga	ggtggctgag	300
gaggcggcat	gatnaacatg	aaccgatgg	gtgggatgcc	tatgggtatg	cccggcaaca	360
tggttatggc	atgatggctc	ccaatggtat	gcccggnttt	caaggatatcc	tcacagcttc	420
aaccggggct	ttggnntcaa	ccaaaaccag	ggtggcggtg	gcnattgggg	gaacccccat	480
ggagccaaaa	nacctagggg	tgaataccca	ctntttgaca	ntgnctataa	accccaatcg	540
gtgggaatna	natgctgcca	accacaactt	gaaaattttc	tgcaacaaaa	aacttgcgng	600
ggaaactttt	nttttccccg	anggttggg				629

<210> 1343

<211> 616

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 1343

cgtcaacgag	gccctcctgc	gattgatgat	ccccctggt	ctcctgacct	aaggctccga	60
tgagganaag	gccaaggctg	ctgccccaaa	agcccttaca	caggccaaga	tcaccagcct	120
cctggagaag	attgccaagg	cctacgatgt	taacattgtc	gagagcacca	cctngtggct	180
cttcgatcac	aatgagatcg	aaggcagcaa	gaagatcgtn	ctttccccct	cagagggctc	240
caaggggtgag	ggtgttcccc	aaattggtga	ggtttggggt	ggtgaggtcg	gtgtcaatct	300
gggctccggc	aagggtcaagt	ccattgacca	gcgtgccacc	cttnaccgnc	gcaccaacca	360
aacttatggt	ctgaagcgac	ctacttcgcg	caagatctna	acgaggncca	aaanaagttc	420
ggtccttccc	cttcacttgc	cacaactgga	ggatgaaccg	tnatgcccac	tctggtgttg	480
tccagtgtgt	cccaagaaat	gttttcccc	atacnaactt	gtttggcgaa	aaangacaac	540
tttttttgtg	gcccgatcct	ttacaacntt	tgttttacca	aaaacggttt	accaagctng	600
gggggccccc	ccctct					616

<210> 1344

<211> 419

<212> DNA

<213> Fusarium venenatum

<400> 1344
ccacactatt atccctctac acctcactta acacaatgtc aatcccaaac gaagctcttc 60
aaaagttggg gcgggagatc gaaagccagg ccttggtggc ccagcagcag attggcctcg 120
cccgtacaca aatgacttca aagcagcgcg aacagcgctt tgtgaagctg actatgaatg 180
agatggctac tcttccttct gacgcggtgg tgtatgaagg tgttggaag atgttcgtct 240
cactgcctgt agactctctt cgacagaagc tgcagggcca gacgcaaact ttggagggag 300
aggtggacaa gctcagtcag aggttgctgt acctggaaac tacacacaag aatagccgcg 360
agcatattga gcagatgctt cgcgccaaat aaagctagca ataaaaagct tgcaacatg 419

<210> 1345

<211> 588

<212> DNA

<213> Fusarium venenatum

<400> 1345
atcacgact tccatccgct caaacccctat cgcccatcct caacctttcc ccttcatcat 60
cagattccaa gacctatcgc gaccaactcc aatacatccc taccgtttgg acgcctaact 120
actcgactgt cgcgtcgcgt tgcctctcct gtgcgcagca ctatcacctt ccgactgcgg 180
cccacaaaaa ctccacgctg acgcaatctg ttcctttgac ttcaagcata agagacgaaa 240
ttaggcgatc agcttatgtt ctttaaaacca gactccttag gctattttatt ttataaccct 300
aagagacctg ttcccttttc ggccctcaata tgaagtattt accagtacaa gacttcgaag 360
cgggtgacaag cagctcaac ttcaacactc ccgactgcaa cgttacgggc ggggtgcgatc 420
tttacacaac gaaagcatca ggcaccgata agaaactgta caaaaacatc gacaatgacc 480
taaattcgca acacgaagct ctccctgaagc ttggcgctag cctctcacca cctgaacgcg 540
ctcacatgct agccacatca ccaagcatgc aaatgttttc gcattcaa 588

<210> 1346

<211> 805

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 1346
cacaaataac actttattga tgcatatcc accacgacaa ctctctagcc accccccact 60
gctcactcat actttcgata ctttgggcta cacacttaca acccgtcgcc caccatggct 120
gagcgcaacc tctcccagat catttctcag ctcaagcatt cccctccat gagctatact 180
gatgccaaag cctcctctc aaaggncaag ctgcgtcttc tcaagctcaa cgccctgacg 240
ccctctcctt cgactccac gcaactgctg cctctcgccc gtgagaccta cgancagggc 300
gccttatttg ccatecgcgc tgcgaatccc gaagccttca cccgttacgt tcagcaactc 360
cagcctttct acgaaactgcc cgcctccgtt ctcccaccca accttctcga gcgttacaag 420
gttactgggc tgagcttggc ttcttctctt gacacagggt cgaatatgcc gagtttcacc 480
ctgagcttga aaacttgag aacgtgaggg aagtggcggt gacttcaaaa cgatcgatac 540
ctgggctatc ctatccgttt ggagagatgg ttgatggaag gatcctacca acgggtntgg 600
aanggcataa anacaccaag tgcttgcgac gaatacagcg tatttctgan atcttaanaa 660
caaatccggt ctgaaatgct tccacaggaa cgcgcgnttc ccacttacta ttactctaca 720
aatcctctc tcttgatcc aaagnaagtt ntctctttgc cccnccctgg tggatgttcg 780
caangcactc tattcccaag ccctn 805

<210> 1347

<211> 288

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(288)
 <223> n = A,T,C or G

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<400> 1347
ctttggcgat gttgatgcgc ctccgggttcc tgtgacctac cctattccca ctgggtcccag      60
gaaacagctc accgggtacg acgattaaga tctcgaatta aagacaaaca aggaagattc      120
acggctcggt atgacagaaa agaggaagcg agcacacant nttgtacaaa ccacggcgctc      180
acaagagcag cactacagng ggggnggagg aatatnatag atgaattcnn gggacaaaga      240
gtcgacgtcc aagatctatc agcaattgac gctccaattc ggttttct      288
```

<210> 1348
 <211> 548
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

```
<400> 1348
gacgcatagc atatcacgcg atgtttatgt catgagccat accacacaac actccatgga      60
tcaatagact tcactttaat cacagactgc acgaccttcc acaaaacatc ctccctccaaa      120
cgatataatg gagaacctat ccataacga tgccctccca cagggccgtg gtgcgcgcga      180
accgctacct cagctgccgc cgcaaatggt cacgactgcc gcgcagctcc tggacctcac      240
agacaagaag ctcatggctc ctttgcgcga tgggaagaaa cttatcggag tactgagaag      300
ctgggatcaa ttgcgaaatc ttgttctcca atccacgatc gaacgtatct ttgcgccttc      360
tcccgactca gcaggtagcg accggccaac tgggtctctac gcagacataa accacggcac      420
attcctcgtc cgaggcgaga acgtactact ccttggtgaa atcgacctcg acagagacga      480
cgatcccccg cctgggtttcg agttggccga cttgnaagtc gtcaaaggag atcgcagagg      540
agaagaaa      548
```

<210> 1349
 <211> 667
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(667)
 <223> n = A,T,C or G

```
<400> 1349
ggtcattgcca atggctgtgt naatggagac nccaacaagt cccgtcaaga acaaattgat      60
agtactgcnc cgggcaagcc tccncctaac ntgtggaaca accntgcaaa aatggntctt      120
tgctttgcca actgatncgg atgctcagcg agaaaaggca agcccttcta caagctgaag      180
ttgaaaggag atggtacaga agttgagtca acggcctggc cttggcaaga aacgggcttg      240
tatttgcaen ttgcgatctg ctatgtgcca acgttatcat ccacgaagat gacnatgcag      300
cacctacagt cgacttcacg gactacnant atgctactcc ttcacctgcc gcgtttgatg      360
tggcgaacca ttttgagaa gtgggcggga tacgactgcg attactcagc cgtccctaga      420
caggaccagc ggcttgcttt cgtgacagag tacatcaagt cctactttgc gttaacaggc      480
gagagtgtca acgaggaaga agaagtgcgc aaacttatga ttgaagtcga tgcctaccga      540
ggagtgccag gcttctactg nggtatcttg gtcacaaatc cangccgtca tctnaaagat      600
tgacttnact atgctcantn tgctgaactg cgtntgaccn gagtctggnn atacaaggct      660
naggagg      667
```

<210> 1350
 <211> 622
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(622)

<223> n = A,T,C or G

<400> 1350

gttgagcttg	agtttgacaa	gtcctacgac	attccaggga	ctgagggtgc	aactgtcacc	60
atgataccag	ccaaccactg	cccggaagc	tctctntttc	tcttcgagaa	gacaacaaat	120
cagggggcca	atagtcgtgt	tcagcgtata	ttacattgtg	gagattttcg	agcttgtcct	180
gcgcatgtca	aaaatcctct	tctcaaacca	aacatcatcg	actccatttc	tgggaaggtc	240
aaacaacaaa	agattgatat	ctgctatttg	gatacgacgt	acctcaatcc	gaagtactcc	300
tttccacctc	agaacgatgt	catcaaagct	tgtgctgacc	tttgtggatc	aatgtctcct	360
gatcccaact	gtaaagacga	tatttgggaa	aaggccagtg	ggcagggcac	tccagcagtt	420
agcaagtctt	tcccgaacgc	aaagtctgat	ganaaagaca	aggtccacac	caanaaaaag	480
catcctcaac	ggttacttgt	aatttgcggc	ncctactcaa	ttggtaaaga	gcgcatttgc	540
atcttcatcg	ccaaagccct	caaatctaaa	atttccaaca	cctggcaaga	acaaaatntg	600
aaacaacttg	gcgacccaaa	at				622

<210> 1351

<211> 620

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 1351

caaaacccgc	tccttggttg	tttaaagtag	tatttatttg	tgtecgctct	tcccatggc	60
tgcattcttg	accaccatgc	ctcgaatgca	atcttcgctg	ccattctttg	caaagctact	120
ccttttcgct	tgctcatcg	catcgaccgt	tgccgagtcc	atgacgcttt	ccgacgatgt	180
cctacggaat	attccttcgc	caggcgacga	ctttgatatc	aagaatggca	agctgctcgc	240
tcctattttg	atcccacgtg	tccccggcac	tgagggacaa	gtgcgcaccc	agaaacactt	300
tgtegacttt	ttcaaggaga	acctccctga	atggaccctc	gagtggcaga	attccacttc	360
aaagactcct	gtccatggaa	acaaacaggt	ccccttctcc	aacctngttt	ttcgaaaaga	420
tcccccatgg	gcgcaaaatg	gggatgtcag	ccgactcacg	ctggttgcac	actacgacag	480
caagtatgaa	ccaaaaggct	tnattggcgc	aatcgatagc	gctgcaccat	gtgccatggt	540
gatgcatggt	gcgaaggagt	gtcnaaaatt	ccctcaangg	cgaagtggaa	caaagatgca	600
aaaaggacgg	ggccatggat					620

<210> 1352

<211> 1500

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1500)

<223> n = A,T,C or G

<400> 1352

gggcgtgttt	gacgtaagct	gcatataatg	atgcatgatg	agcccgaaat	caaacaaact	60
attcttgtct	ttcccatctc	tacctttcct	acatgtatag	acattgtgtc	acactgttta	120
cagtgtgaca	gacaaccctt	acataacact	cggttcacac	attccactcc	tatatccatt	180
cctctctcaa	gatacatcac	ttgcaatcat	gcacgtgaca	gccacaaagc	aggacaagac	240
tacggtcgta	ctaccagacc	tgttcaaggg	ctttgttgtt	caaacacccc	gtatcaacaa	300
aggctatgag	gcagtcaagc	cagtctctga	acaatggctt	tcagaaaaat	gccagttctc	360

```

ttctcggatg aaagaaaaga gtcgagttct gcgactttgc tcttttcatc tctattgcag 420
cttctgatgc ccttggtgat agactcaaga ctatgtgcga ctggggtaac tgggtatttc 480
cttttggatg atttgtttga tgaagggtca ttggaagaat gctcaaanag caggctcaat 540
tcgttatcga cagtctcatg gcagatatgc ttggtaaaac atttaccaac aagaagaatt 600
cgtgttgngc aagcncatga tgatatnttt cgaagagttt ccgaggggctc aacaagttgg 660
cgctcggacg agatttgctc tcgcaatgag agactataca gatggagtta ttcattcatgt 720
gaagcatttc tcttccaaca gtattccaag tatcgaagat atgcttcata ccaggagact 780
atcatctggc gttacgcctt tatatcacct tgttgaatat gctcatggta ttcaattacc 840
tgatgagggtg tttgagaacc ctgtcattca aacgttagaa cgtcttggtg tggactttgt 900
cttattggca aacgacgtct tgtcttactg aaaagaagag aatgacgatt ctcccttcag 960
catggttgcc tcttgcaaga atggctggcc aatctgcccga ggaagccttt gacaccctg 1020
gggcgcactt ctcgaaagag cgacaccaag aaatgggcag acagtcctag cggaactacc 1080
aagctgggga ccagaaattg acgctcaggt gacacgatat gtcgaaggca tccgaaacnt 1140
gtccaagcta atgtcacatg gagcttccaa tcgggggaagt actttgggaa acaagcccaa 1200
agaaatttga caaacntcgg ttgggttgac gtgatgatca accccccta tctgcatcag 1260
cngggagcaa cagcagcgac gtcatgcagc caacaattca tttgggtcac tggccaaaga 1320
gtcttttctt attggttcag catgtatcct ggtcgtttnt tttgagcctt gtgatcatct 1380
gttactttgc cgtgattatt cggcattgag tgtatgtaga tagagtcgat cgacacgggg 1440
atctgattgt gatctgattg ttgattcaga tagtgagaca atataagcaa ttgctttcat 1500

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<210> 1353
<211> 977
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(977)
<223> n = A,T,C or G

```

```

<400> 1353
caccctcggt gtcatatcaa atctgtcact cgtagacca gactaccatt cccactttcg 60
cttttaaact actttactca actaattcta ataccaactc caaaaaccat caacatgcgt 120
ttcacatcaa tcttcgctgc cggcgctttc gccaccatgg ccgctgcccga gagcaagacc 180
gtctccctcg accctgctca gcagctcag gccagctgcc tctccgactg tgagcctggc 240
gatgtcaagt gccagtctta ctgcatcact gttccctctc ctgacgagaa gaacatcgag 300
gaaaccacca agtgtgttgc cgcctgcccc aagggaagg gctccgaggc cgacactgag 360
aagtaaccg tttgcatgaa cgagtgtatc gccgacaact actggaagtc cgttgatggg 420
accccccggt gcaccgacgt ccccgatgtc aagagcaagg cctccgaggc tgcctcctcc 480
gctgctgana aggccaccgc caccggtact gctgctgagt ctgatgctac cgccactggg 540
gcctccgcta ctgagtcoga gtcgggtccc gactccagct ccgaagagac cggctctgcc 600
tctggcactg ccactgggtac cgctgctgag gtctccgaga ctggtaacgc cgctcttcc 660
ctcgttgggtg gtgtctcctt cctcgggtctc gttgccgcta tcttcgctct gtaaattggg 720
tttctgctt taggataatc tgatttggca tgacggagaa ggatttaatt ggttttatta 780
cagcggtaat gattggagtt tggatttcaa gatgtgacac gttggacagc atgataaggc 840
ctacgggtct gatcaatttc atggacaaat tttgtttttt tgggtaataca tttcgcgttc 900
acatatggct cggcatatga gcatgaatac aatacctctt ttttgcgcct ccaaaaaaaaa 960
ataaatatna ttnaaaa 977

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<210> 1354
<211> 399
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

```

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<400> 1354

```

tgaccttgca	aacaagtgga	aggatgctaa	atttgagccc	agcgctaagg	accttgagaa	60
ctttactgca	aaccagaagc	ttgtcttcct	ggctgaagta	caacagtccg	gtgatctaac	120
tgcagaccga	gctcagctca	tgggcaagac	gtacgatttc	ctgtcatcgc	agaacgtgga	180
aatcctctcg	gcgtactacc	tgattgctct	acaggcaaag	gattctgcca	ttaccaaga	240
tgccgccact	ttctcggagg	ggttggtcgt	atgaagtttg	tgcgacctnt	gtccgncctt	300
aacaaagga	ccgacagttg	cctggaccct	ttganaaaac	aaggnttttt	tatccatttc	360
caggntttgt	aaaaaaggat	ttaggtttta	agttggggc			399

<210> 1355
 <211> 638
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(638)
 <223> n = A,T,C or G

<400> 1355						
gtttcgcgtt	atggatggcg	gaaagaagct	tgtcaaagtt	cctaattgctc	tcaactcgtc	60
ctctcgaacc	cccaagactg	ctatcattgc	tgggggtcaag	ttttaccgaa	caaagacagg	120
caaccttgtg	gcgaatcgca	ttgttaacga	ccagcggcga	tcgggcgcgg	tcaagaagat	180
tgatcaactt	tgtaaaatct	tctcaacgac	tggtatttcc	tctttctatg	actggagtgg	240
tccacgcctc	catcatccga	accggcctag	tggccatggg	acaaaactaa	catataattt	300
ctgccagggt	catgcactaa	aggccctcag	tgccgctata	ttcacgatcc	caacaagggt	360
gctctctgtg	aaaacatcct	gaaagacgga	caatgtgtna	acggcgagtt	ctgtgatctt	420
tcccatgaca	tgacttccga	gcgcacacc	aactgcttgc	acttngccaa	aagccattgc	480
gccaaaggatg	aatgncctta	tctcacttca	gancgtccct	gntggtnntag	tgtgccgaac	540
tttggttna	atggctactg	nganaaagg	gcangttnta	ctgaacgtac	cgtttttgag	600
tgtcctgctt	tancaatccc	ggccgatgta	agancaag			638

<210> 1356
 <211> 563
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(563)
 <223> n = A,T,C or G

<400> 1356						
ccaaaagtcg	agagcgctcat	tgtccagatc	tacgcccctg	agttgtcaga	gatataactca	60
tatttgata	tctggtcac	gatccgaaaa	cttaccatc	caattttctcg	cccccgatcc	120
gcgattaata	nacccccccac	tccccatoga	aatcccagg	ctaagttcca	agacaagaca	180
agtccagtct	caactaccgc	gactcgacct	tgcttntttt	tcctcctgtc	ttgncaacaa	240
cagtcaagct	acccgagcct	atactttcaa	cantggcttc	aacactcaca	acaaccgagg	300
cgcaatgtcg	ccgccgnnaa	caataccatg	aagccgatgt	cgtcgttgta	ggagccggtg	360
tattcggttg	cactatggct	ttcgctctcg	ccaaccaagg	ccgatccgtn	cttntctcga	420
gcgatggctc	aaggagcccc	atcgattgn	cgganaactt	ctccagcccc	ggggggcacc	480
tccttnaaaa	gcttcggcct	tggacactgn	gtngagggca	tcgacgcaaa	agccttgnta	540
cggatcncca	ttttctacca	tgg				563

<210> 1357
 <211> 418
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(418)
 <223> n = A,T,C or G

<400> 1357
 caccaagact tgcctntgtg gtacaaagac ctcaagaagt accatcttgc tcatcacttt 60
 ctcgattacg agcttgggtt cggagtcacc agtagattct gggacaccat tttcggcact 120
 gagcttattt acnacaccaa gaagacaaaa taagctcact ataatgcgcg caatttctgc 180
 ctggcggtga tcttataaat tcaagctggc acactgtata tatgtcttgc tatcaagtgc 240
 ttggcgacac ctgggttgta cggagcagtc atgattaatg gatggtaatg aacatggngg 300
 gccctggcat taatggatcg aacagcataa atagttttaa tggntgggac tggtagcccc 360
 gacattnttn tttggacaga gtcacttttt aataatatac ctcgtntnaa aaaaaaaa 418

<210> 1358
 <211> 675
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(675)
 <223> n = A,T,C or G

<400> 1358
 caacaatcta gctccttggc taccaactct attacaactt agtagagctc aacgacactc 60
 aacctcttcg ccacatcctt tacttttgta gggacggctc ccttgccacg atatcacaaa 120
 ccacaaactc acaaacactt tgtcaacatt gtgtgcaagg atgcaattct caacaaccaa 180
 cgcaccccat tgtctggtgc aagatagttt cgacgacata aaccccaagg acttcctcag 240
 acaagaattc aagtctaagc gaccacgaac tgccgatatc cttctcgagg agctaccaca 300
 gggctctgtt caggatgctg aagcaacaga tgacacagga gatttcttct cagccaagtc 360
 tgagtttagag tcagaccacg aggaacaact ccccgacgga atcgaagaga ccgaggaaga 420
 gagacagaag cactgggttcg tcggttagcat cgaccaaggc acaacatcaa cccgattcct 480
 natcttcaac ggacatgggtg aacctgtcgc cagtcacag atggaattcg agaaccttta 540
 cccagctnt ggatggcatg agcatgacct tatgacctn ttgaatctgc cgagatttgc 600
 atcgagaagg cactgaaaaa ttctgcgcca aggacacagt gtcgaagaaa ttctntnttt 660
 ggtatcacaa atcaa 675

<210> 1359
 <211> 989
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(989)
 <223> n = A,T,C or G

<400> 1359
 tcagaattca gcagctttac aactcattta attaatataa acaacacaaa aacctcctct 60
 actcaaccaa tcattatccc tgctaccttt ttaccactta aacaaaaaca catcaacaaa 120
 atggccttct tccttccccg tactgtctac cataccagg ctcccctgaa cccactctac 180
 tatcttctca aggaacttga ccagtctgtt tcacagcccc agcagcctca gcagcctcag 240
 caaagaagcc gatgccagtc tcaacagaag agccaggctc aggctgaatg ccccgcttat 300
 cgggtgacaa cccgaccatg ggagccccgc tttgaggctc atgagacgga ggactccttt 360
 gttctctacg gcgagcttcc tgggtctgaac aaggaaaacg tctctgtcga attccccgaa 420
 cctcgcaagc ttgtcgtagg tggcaaggct gagcgtttca cagaagcctc caaggcagct 480
 gaaacagtca ctgagcagac cgctcccgtt nccgtcattg agtcagacaa cgaagacacc 540
 cagagcagaa gttcatacca agctactgtc gaggacgatg ttgatgatga agtttgaggt 600
 cttaggccac acatcacaaa aagtcagaga ccgtagtca accacagtct gagactttta 660
 gcgagaaggn caaagacaag cagcctgagc aanccaagca gctgagcaac ccaagcagnc 720
 tggaanagcc aanacgttnt gggttacacca aggagttttn acnctactta ctttccccac 780

ctacgtnaac	cacgaggnag	taaccggcca	acctttaagg	atgggctcct	ggactggcat	840
tggtcccaag	gctactccca	agtctcgcgc	atcctcatta	actagaggat	cggatattgg	900
tttccacatt	gaatngngata	ttctttggat	tanatatgtt	tangagttct	taagctgggt	960
tcttaantaa	angggtttnt	aaaaaaaa				989

<210> 1360
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 1360						
aagttagaat	agggtctttc	aatatcttga	tcgtcgacat	gtcgtctgga	aatgacatga	60
attgggatcg	tatctttttac	cagcctgagg	ttgaagcgac	agttgatcta	ttcgatgtat	120
ggaacccagt	caatgacacc	gtcgatcctc	agcaattaaa	cacaaccctg	actctgggtg	180
agaaccatgc	cagtaatccc	actcaggctt	ccgagtcaat	caatagtatc	cctaccgccg	240
accaaaagcc	cgctacaccc	attgctcaaa	gaccagggaa	acgcctttct	ctagcttccg	300
tccgtgtcct	caataaatgg	ctcacaaatc	atacgcatca	tccctacccc	actgtcgcag	360
aagtcgaatc	tatcatcagg	caaacaggcc	taagcaaaca	acaagtccctg	aattgggttg	420
ccaacgcccc	ccgganaaag	aagtttgctg	ctactgtagc	gccgttgacc	cgaagttact	480
cattttgaga	ccataatcat	gaactttgca	acaagaagga	aagaaatgag	cgaanctttt	540
acagaaaaga	acatctgaga	cagcatctcc	gattgggtaca	cngatc		586

<210> 1361
 <211> 616
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 1361						
cttggttcaga	tgaaattccc	attatttttac	caacaagtaa	tacattcatc	tcattgacaa	60
tgccctcgcat	aaaagcccct	tcaaaccctc	ctgaactcgt	caagactact	tttacaaagg	120
ccagatcaga	gggagatttg	cactacttcc	ccacccaagt	tgccgttctc	aatgtcgact	180
ctatcccatt	tcaactacgc	ttctccccat	ccctggccaa	caaacccaag	cctccgccga	240
aagacatctn	caagcctcaa	aagccatttg	atccttttca	gagcccccta	cctgccctca	300
aagtctcaga	tcttgccccc	tctcactact	gtgtcttgaa	caagttcgct	attgtacccg	360
agcacttnat	ncttgccacc	aaagacttca	agccccagac	tcacgttctt	gaagagtctg	420
atctagaagc	tacactggct	tgcatcgagg	natacgaaa	ctgntagaag	aactgaagcc	480
gagcaagggc	accgggacng	agcattgggc	ggnggagatg	gctttacgca	ttcttnaact	540
gngngggatc	actntggggg	caggcnacct	nattgacaca	ttcagntact	tcccaattgg	600
aagggtgaaa	ggatgg					616

<210> 1362
 <211> 287
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(287)
 <223> n = A,T,C or G

gatggcacca	tcaataggta	ctcaggtggg	cggatgatgaa	ccgacatacc	gagtttgta	180
cgggagtcga	ttggcgtctc	tttgncatgg	gtggatggnt	ggctactgtt	ggctggggat	240
gaanagagng	ttattgtggg	atgccnecat	gctaattgggc	cagngaatac	nataacatca	300
anattcncct	tgttanattg	ncgttactng	gagt			334

<210> 1366
 <211> 628
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 1366						60
gctcaaccgg	acagtgacaa	tagcaatggc	cgcgtcgtcg	gcgacctggc	ctgtcaatcg	120
gactcgtacc	tccaaactct	cgagacaaaa	gtaattttctt	gcgaaaaggc	tcctaagcgt	180
gcgcaaaagt	caaaaaagca	cgatgcacgc	cacgaggagg	ctgagtgggt	aattgagtgt	240
tctgactcgg	tacttttccc	tgaaggcggc	ggtcagccct	gtgaccacgg	aacaatcact	300
ttgctctcgg	gcgacgacca	agaccccat	cccatcaaaa	atgttcaacg	agaggggtctc	360
cgggtgtgtca	tccactcacc	aaagcctatt	tctcctgggtg	tggaggtccg	ccaacaaatt	420
gcttggaccg	tcgatgggat	cacatgcagc	agcatactgc	cagcaccttt	gnctgcctaa	480
tgatgaagaa	tcacgagctc	aagacgctgg	ttggggaatg	gtactgacgg	aggcttaact	540
atgttgactt	naaaggaagc	cgcagatgan	gagatgcagg	tatncagata	gctgtgcgga	600
aaagatcaga	gactgtaatc	aggtgagacg	cagatacnca	acatgcaant	cctgggctnt	628
acaancttac	gngtttgagg	tatcatnt				

<210> 1367
 <211> 615
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 1367						60
ggaaagatgg	acgaggcaga	tcggaatccg	aacttcgagt	tcttaggcgg	caacggngga	120
ggttttccct	cgcccatatg	cggagacttg	gattttcccg	ttccattaac	agtattgttc	180
atatacttct	gtcnaatgaa	tcgttccatc	gcggaatcgg	cttcgtcaac	gtcaacgggc	240
acaggcggct	tgccatgttc	agggttgtat	aagttgttcg	atgtaatat	tccaaccttc	300
ctcatgttct	gttggttggtg	taagctgaga	gatactcacg	tncgcaaatac	tggtattatt	360
ctcgttactc	acatcgactt	gctcgttggt	ccagctgtcc	atactcaagg	acttgacttt	420
ggaaatgtgc	gtaccaagct	ttcgnggat	tcgagcacat	ctcatacata	anaaaacgcc	480
gagctaataa	cgaagttagt	cagaagtcga	tttcgggnac	gccatanaaa	tgcttacact	540
ccatgatgcc	catgctaaaa	gatgacagtt	cacgttanca	aattccgaac	gttctacagg	600
cggcccatg	angaacttca	ttgnatgtct	ggggggacct	ggattacncc	catgacagtc	615
tgccacatat	tattn					

<210> 1368
 <211> 549
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(549)
 <223> n = A,T,C or G

<400> 1368
 gggaactcaa gaactcagca caagtctgct ccatgtcatt caagaggggtg ccgtcttccc 60
 tgcagcaatc attacgattg ctgctataaa tgacgctgat cattatctga tattcatttc 120
 gtagcctaag tctccattgg catgccgtct gggatcgcg ctccggatac ctcaaactca 180
 tctgctatct tttccaaggt cttcatctcg tcttccgaaa gctggcagcg ttgagcattt 240
 tcctctactc tggccgcccgt ggttgctcct ggtgctggga ttatagtagg caatccgtcg 300
 tggccattca gacctctcac ccagttaatt gcgagttgnc tggggttaata tccttctttt 360
 cagccacagc cttgacctgc tcaacgagct tgaggttggt ctggaaccct tcgggttgga 420
 aacgaagaaa cttgctggca attccttgac cctggaactc anagctgtta ttaaagcggc 480
 cagnaanaaat ctgtttggtc gntagttgct taaattttca gatgaagtnt atagatntnc 540
 ttaccccc 549

<210> 1369
 <211> 618
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 1369
 tgcactctgtt agactctgact ttggcatcgc ttttctcgca tatactatac ttttgactca 60
 gagtcttttc tcttcattcc tctcttcaat tgncccttt tacgctactc gctganacaa 120
 agcctctcct gtgccgtctc taggtccggt cacgaccccg ccaaaaactc ctatccccac 180
 caaactcgac accgccatgg ctnaagaagg catcttcagt gccaacctcc tctcttctga 240
 ggtcaaggcc gctcttctctg agggttacac tctacgcgct ttgcgcaagt ccgacttcaa 300
 caagcggttt cctcgactgc ttacgcgtct tgaccacggt cggtgatatt accgaggccg 360
 acttcgttaa acagtacnat gacatggctg ttgctggcag ctactacatt attatcattg 420
 aggacacctc gcgcaaagan aatcctgtcg cagaactggt gctttgatca ctgagcgcaa 480
 gttcatccac ttntnttggc gccgcngcca catngaggat atcnctgccc aaaangacca 540
 acagggcnaa naagctcggg cttncaaata ttcaaaccgc tcgancacat tgccnaacan 600
 ggtcggntgc tanaaaat 618

<210> 1370
 <211> 501
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 1370
 gacaaagtgg tttacatgaa aagcttatta attgctcccc aaatcccgtg gcttctttta 60
 gacttcttcc ctcccaaact cttagtgggt gtgcaccctg ttatgtccct ttagtaaata 120
 tccttcattg actattcacc cgttactcgc cccttgagct tgnctgctt aacagtgaac 180
 gccatcttga ggaagtcctt ctactncttg gtgtggacgt tcttnanacc ggtggcaaca 240
 gaggcactgg ggtttcggcc agcgtacatg acgtgcttgc ggntgtggtg ctcantgttg 300
 ttgagcaaaag tctcgatacg gggctgagtg aagcttcaag cacggcgtga aaggttcctc 360
 tngnaccaga ccatggcttg ncgttggggg aaatgtcgag gttctcctng agttgtgcca 420
 aggggaagggg ttccatcgac gnngccgtaa cgtctgccac ggttncgact ccgtcngaac 480
 gcncataaga gattgcctat g 501

<210> 1371
 <211> 531
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(531)

<223> n = A,T,C or G

<400> 1371

caaaaaatca	accacattct	togccattgt	tatctctgcc	agaatgcggt	cacttttgag	60
ccttggtgctc	tttctcttcg	ccgcgctggt	ttcggccgtg	agcacagctg	gtaaccgtat	120
gctggttggtg	ctggacagcc	caaaagacaa	ggagcctaca	caaccttttt	ccgcgacttg	180
tctgagcgag	gatacgagat	cacgtatgaa	tcaccaaaga	ccgaaagcct	agctttgttc	240
cttcacggag	agaggactta	tgatcatctc	gtcttctctc	ccaccaagat	taanggtctt	300
ggacccaatc	tgactcccag	ctcattgtcg	aattcatcaa	tgccggcggt	nacatctcgt	360
taccatgttc	tccaccacgt	cgtgcctcca	ctatcgatgc	cgctctcatg	ganctcgaca	420
ttatctcccc	naggaacnca	ccggcaagtg	tnacacttcc	ttcaanacat	tcnccgcca	480
gaaangaaat	ctcttnncaa	gccccncacc	ccnccccgcg	aaaagaaact	t	531

<210> 1372

<211> 995

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(995)

<223> n = A,T,C or G

<400> 1372

acgtaccaac	cacttacgtc	cggccactct	ttttattctt	gctcccccca	cgacgtcaca	60
ccccacatca	cacctccatt	acctaaccac	ccttctctcat	cttgacaata	ttcacacact	120
cacatctctt	tgggataaaa	ggttattgtc	acttctcttt	gtctccacgt	cacgatcttg	180
ctctactgca	aacgtgatcc	cactctctag	cacagcaaga	aaagaacttg	gtgcagacac	240
cctaatacaac	caggtcacia	gaaagaactg	aaacacgttc	ctttccctct	tcgctcctcg	300
cgcgcaatcg	atatcaacga	cgaccggaac	gaagcgatcc	ccgccgacag	ccgtcatcgt	360
cacatcagat	tcgttgcgct	gttgtagaca	acaataaaag	aaaagaaaga	aagaaaaaaa	420
aacacgctgc	tggggaagtg	aaagaagctc	gtggccttcc	aatacctaata	tctttggccg	480
atatcttgga	gtatcgctta	ccaaaaaaaa	aatcgaccgc	ctttatttctg	gttttatacc	540
ggctctgcac	gaatctattc	attcgacgct	ttncggganc	aatctatttca	atggntgggt	600
cangtttctt	tgtnnngggg	cacattcnct	tgntttntct	tccccatttg	atctgttcag	660
cgattgttca	taaccggttg	cacttctcga	taccgactcc	aatcatggaa	ggcatccaga	720
ctcacccgtc	caacgcggcg	caagccaagg	cctttactgc	gcctggatcg	ctgtcgttcc	780
ccggagccac	gaacgagctc	acaccgccgc	ctgtcggcaa	cagcgatgct	caacaacctg	840
ctcctaattg	gtcagcaggc	gggcaaatgg	caacgggggtg	gcacccgcaa	cgctgtcgc	900
gacgcctgct	gttcttaagg	acccagtggt	aatcactccc	actctacaaa	acatcgnngc	960
tacagagaac	cttgactgcc	ggttggacct	naaaa			995

<210> 1373

<211> 528

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(528)

<223> n = A,T,C or G

<400> 1373

ccacaacttt	ccaactat	cgctgcctga	acccaacagt	cattgcgaca	cttgaattcc	60
accactcttg	acagcacact	taccgcctcc	acaacaacca	tcaccgtcaa	catgcgacgc	120

aaattcaagg	acgagcaccc	tttcgagaag	cgcaaggctg	aggccgagcg	catccgacag	180
aaatacgctg	accgtattcc	ggtatgtaac	ttttaaaaaat	aacatcttct	ctgctttttg	240
ggcggaacag	ccgctttcac	tcgacaacga	caacgacaac	gacagactgg	ggggttccgc	300
cagttaccga	ccgcctcctc	tnttcatntt	tccgcaccct	acaatccgtt	acatttttacg	360
aataggttat	ctgcgagaag	tcgaaaaaag	cgatatcgcg	accatcgaca	agaanaagtc	420
ctggttctgc	cgatctgacc	gtgggcagtt	cgtntcgtna	ttcgaagcga	atnaagctnt	480
ccccgagaag	gtttnttatt	tttgtcgaga	ngttnttccc	cacagtgn		528

<210> 1374
 <211> 597
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 1374						
cttccatggt	tgataaacac	ggtgcatcac	aagatactat	ggaaaaaatt	tcaaagttca	60
ccacttttgt	ttcttggaat	ctgcgttggc	aggttttcat	gcatgccgac	tctcatccac	120
ccgcgaagct	ttgggtcata	cagacattat	taattctcga	ggtgtatgag	aagatgaacg	180
caagccgggt	tcttcacgag	tgtgctcata	tctacttccc	tacaacactg	tctctcatgc	240
gcagaggaag	tgccctgaca	gggaagcagt	cctcgtatgt	gtccagagtt	ccaacccctc	300
tgggtagccc	caaaatggga	tcatccagaa	tgtttccttg	atcgaatcgg	ccgggcttta	360
actcgtcccc	tganaaatgg	tgggaccact	gggttgcgca	ggaagctctc	gacgaagctg	420
ctttagctgc	atztatcatc	gacgctacgc	atgcgggttt	atttggacat	ccccacact	480
tgtgattcac	gaaatcaaac	tgccacttct	tgggacaaca	ctctgnnggc	tctgattccc	540
atcaaaaatt	gggtgtgtcg	agtcaagttt	tatgccaacg	gngtcacncc	aataatt	597

<210> 1375
 <211> 606
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 1375						
attgactaca	ttcccatctt	caagtctttc	ccatccttca	ttgtttcctc	acaacaatth	60
cgcaatggct	tcttcanaac	tcgctcaact	tattccaccc	gactcatggg	attcgcatat	120
gcataattgt	gatgttgana	actacgctct	cgaccctca	gcaacatacc	gccccaacctc	180
gcactntctt	gagcaggccc	ttgactttga	aactagcgng	ggtctccnaa	acatcgttct	240
tgttcagcca	tctatthtat	gcttgaataa	ttcgtgtttg	cttgatggtc	tgcggaactct	300
tggttctgag	cgtggaaggg	gagtcgtttg	aatcgaccct	aaagcctttg	atgccgatga	360
gctccgcagg	tggcatgagt	tgggcgtgcg	tgggttgana	ctcaacctgc	agtcagttgg	420
ggcanaaatg	gatgccgacn	aattaaagca	gcagttgaca	ttgtatgccg	atgctgtaan	480
accattgggt	tgggtcgcca	agttttacgt	cccatgaaaa	tgatcgaaat	cctcgagtnt	540
atcatnccaa	aactcaacat	caagttcttg	atcnaccatt	gggacagccc	cctgaaaaac	600
aacagg						606

<210> 1376
 <211> 527
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(527)
 <223> n = A,T,C or G

<400> 1376
 cgagattgag tcatgccctc caaactactg acctttctgt aaccggaatt actattacct 60
 ctattctcct ccaatacaca acattcttcg cctttggcgg ctcaaacgcc attagctctg 120
 tcgacctttc aagegcatac aacggcatca gtggtttcaa cttctttgct gttgggtttc 180
 tcacctcgt cagcaactgg gccgggcca tcttttgac ttctgctgcc aatctcctgc 240
 tactccgcaa gtatcatgaa gggtcagcgc aatgcatttt gggcaatata ttaccttgca 300
 nacctatcgt ctctgcggct gttgcgttgg tcatggcagc ttgcattcgt nnaaaagcac 360
 tttcattgga cgtctctcac ccaatatctt acggttggcc ggaaccttag gtcacactgc 420
 tgatcaatac ggntcggggg tctctttttg gtggatcccc actanntaaa taaacacaaa 480
 gaaaggtact ccngtttaat ntttaaaaaa aacaaacaaa acctaac 527

<210> 1377
 <211> 574
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 1377
 cagcgagcgc gtaccggtgc gcacacacaa gatgacagac ttgagaggta tcaccattac 60
 cactggtata ctgccaaagt ctgtcaagga taatctgaca aaggcggctg agcgatttgg 120
 agccaagctt gtggatggag tccgcattga tacgacgcac ttcgtcacaa ctgagggctg 180
 tggacagcaa tgggagaagc tgtcgagagt aacattcctg ttgtacgtcc cgaatgggta 240
 gaggcttgtg aaaagggcgg ccgtattctg ggcgtcacia agttctacct tgatgcaatg 300
 aaacctggtc cccagcaga ggagtctaca ccaccaccac caccacccga gaaggaggag 360
 aagacttacc cgtgccgccc agtcagaacg gtgaatcggc ttcgagatca gaggagaagc 420
 tggacgataa gataccggga gaaggaagag aatgaaaaga aggaaataga agaaccnngg 480
 gagaacggcg agaagaagaa ctcaagcgac agcagcagtg aagacganga cnatgtggaa 540
 gtcgaacaga aggccatgaa atcnccgcaa gaag 574

<210> 1378
 <211> 1053
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1053)
 <223> n = A,T,C or G

<400> 1378
 ggttaccacg ttgcccacaa cccagcgcgc acctcaactg ttgagcccac caccggccgt 60
 gagctgaaca ttctcgacgt tcccaccgac tctcacaagt cttcatctcg ctcatcctct 120
 tccaagtctt cctccaagtc ttcttcttcc tctcaaagt cctcgcccaa gtcttcttcc 180
 tcgcacaagt catctcctc caagtcttct tccagcagca agagctcttc tcaactcctc 240
 aaggacaagg agtctcgatc ctgcgatcc tcgcgccaca gctccaagct ctccgtagac 300
 atccccaagg gccgcccctg tcaatctccc agatccaggc ccccaagccc atgtcttccc 360
 acgcgaccaa gcacattttg gatgttctct actacgacaa tggcgaactt gacgagcttg 420
 ccgatcgtct cggcagcgc aacattgagg acgagttcat caccgacttc agcacctcac 480
 cagtctctc cagcggttct tccctgtcct accgctccga cagctcttct cccaactcgt 540
 ccctctcttg ctacagcaca cccggatccg acgtcagctc ttgcacttgc gagcgctacg 600
 gtatcactcg caagggcgac cgtgtcaagc tcgactgcgg cggatctcga tgtggcttgg 660
 atgacagcga ctctgtctcc agcgacagcg aggacgagga tgagtacgag cctgtctctc 720
 ccgccagctc ccgcccacac ggcgtcgttg cataaatgca ttggtgtaat gcgaagactt 780

tggcaagaag	ttgagagaac	ccttagccgt	tcactccttg	tatcgggcat	cctatggcag	840
cacaccagcg	ctgggatgac	tcgacttatg	ttgttggtg	aatatcagca	atcatttttc	900
gttccgacct	gcgtcacgta	tttctgacnc	ggatggcacc	ccagctggtc	tcggaatgtt	960
tcaaccgccc	ggtacnttga	tctcantagg	tcangctgcg	accgttganc	catccacaat	1020
ggttctatct	ggctgcgcaa	cgttattctc	tcc			1053

<210> 1379
 <211> 358
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

<400> 1379	
ngcccnttgt	60
tggnnggnct	120
ttttgctngc	180
cggnnggnngc	240
ttntgttttt	300
tgtcgaactc	358
ntttttcaac	
gtcgatggtg	
gccaacgagc	
catcaagtnc	
caganattga	
ctggtgtcag	
caagganatc	
tatacgaagg	
aacacacatn	
aacatttctt	
gggtttgaga	
ctcctattgg	
gtacgatgtc	
ccaacaaaa	
cccacgcaac	
cgttgcgtn	
ttgaccggga	
cccaaggact	
ttgcagatgg	
gcaatattac	
ctggcgngng	
cttttaacgt	
tcccaaattng	
atgctttgcc	
cagatctacc	
gaacacttng	
naaccganct	
ncgatgagcg	
nntgctggcc	
tttatttg	

<210> 1380
 <211> 644
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 1380	
aaagcaatgc	60
ttgggtgggt	120
ccgtcctttg	180
gctggcaccc	240
ctggttctca	300
catcttcttt	360
atgatgactc	420
ggcgcagctc	480
ccgacatata	540
ggcccacctc	600
cggctccgac	644
gcccacaccg	
acaatgccgc	
aaagcaggcc	
cactacaacg	
ccgttctgca	
gccggaacct	
tcattggact	
ttgtcgccctc	
cctaccaacc	
ccaatcgctg	
taagcacatt	
tctcaaggaa	
actgaatccc	
gactatctgc	
caaccctcat	
gctctgggtc	
gtgagattgg	
cgttgacaag	
gcctttcgtc	
ttcctgagcc	
atggaaccca	
tctgagcaag	
ctgaacgaga	
ttcaactctc	
actcccggag	
gtcgcgaagg	
tcggtatctc	
agtccctcaca	
gagtaaggat	
agagcaccag	
cgtgctattc	
tttgctgcac	
aactccgtct	
tgnttgccaa	
gactcgccga	
gctgtcagcg	
tcacngcggtg	
caagctcatg	
gagtgcttna	
tgacactctt	
tgccgacaca	
tggnaaggnc	
attgagcggtg	
aaagtgataa	
cacgccgaaa	
acgggggtttg	
gtcgctaang	
gtgcttgagg	
actttttcgg	
atgaagaaaa	
cgaanaaaaa	
tngcgaggaa	
gccttntctt	
cacg	

<210> 1381
 <211> 590
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 1381	
gaggagacgg	60
actggatgcc	120
aaacctgccg	
aaaaaggagg	
atcaaattgcg	
atgagacgcg	
accagcttgc	
acaaaatgcg	
ttcagtcg	
atggaaatgt	
gatggctacc	
caataaacgt	

agtttcgaca	atcactccgc	acaaagagag	acttccaagg	ctgccgcctc	ccattcccct	180
gttatccatc	accagctact	cgatcccctt	caaagtcctt	gggagccaaa	gagaccgtca	240
actgctccac	tacttttgtg	ttcaaggagc	gtcggagatt	tcgggggttc	tcacctccga	300
cttctgggcc	gagattgttc	ttcgagagag	tcatcaagac	tcagcattac	gacaagcact	360
tgttgccatg	agttcactgc	atntagatta	catcacttta	gattcagtga	acagccaagc	420
tgcaagtgtt	gagacattgg	ataattatgg	caaagccatt	cgtacaataa	ggaaganact	480
tgcccagcca	tcgcctgata	caaccaaagt	tgcactcatt	tgctgcatca	tattttattg	540
ctgcganagt	actctangaa	atccnggttc	agctcaacag	catctaaaca		590

<210> 1382
 <211> 472
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(472)
 <223> n = A,T,C or G

<400> 1382						
tcgtggtaga	tacgggcacc	cgntgactng	gcagntgaga	agatgtcttg	ccacagcnag	60
tatgatccag	agaagccttc	ttgntgggtg	naacaatgcn	natgcctcgn	ttcagagcaa	120
gggggtacag	ttcagcgaca	tcttnagagc	tggtnttgtc	gacaagaacg	tcttggcggg	180
ggctttggaa	aggnactnga	tgacctgatc	gagagcgagc	ggggccttgg	tacgaggaac	240
tgagagtgtc	aacgacgttc	tcgaggttaa	tgggagagta	gtcgtcgttg	tagatggcct	300
tgcggctcgt	ggcaatgtag	gcaaggttca	gtttcggggg	tggctttcga	agcagcaagg	360
gactggagct	ggtcgataaa	ggccttgcca	acacctccgg	cgctgtttgt	tgggacatta	420
gtttataaag	ttgtgtatct	ataagtttcg	aatgtttcan	ttnataaaaa	aa	472

<210> 1383
 <211> 634
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 1383						
gccccgatact	gacttcgtac	ctcactctgt	agctgagagt	catagtacga	taaagctcac	60
gtcgcaacct	cattttattct	cacaaatata	aaagcgatac	ctcagcagct	agctacaact	120
tnttttttct	tcaanacaaa	tctttntttt	acgcataatac	aggaattgac	aagacgaaat	180
catccactca	cttcaacaac	acgatataga	gcgcatactg	gctcgccgtc	aacatgtccg	240
ggcgacgcga	cttntctcaac	caggcagcgc	ccganaacta	cgctcgctggt	ctcggtcgtg	300
gcgcgacagg	tttcacnaca	agatccgatc	ttgggtccgc	tagagatgga	cccagngagg	360
atcagatcaa	ggaggcgctc	gcgaaacgag	ctgctcagct	tggtctcgcg	ccaaacaaga	420
agggcaagga	aaaggaggag	gaggaanaaa	aagatgaaga	gcgatcccaa	gatccccgata	480
acgaagtong	acttttttgc	ggnggtgtct	accacaangg	acgaatgang	aancccacaa	540
gattttgggaa	tgggtgggatg	aaaaaaatgg	nccccaaaaa	aaagccgccc	agaagcccna	600
aaaccngccc	ggganggaca	atnccgaacc	gaac			634

<210> 1384
 <211> 677
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(677)

<223> n = A,T,C or G

```
<400> 1384
caagttacag ctctctgcat ctctaattgt tttataggta cactggatgc tctgtagatc      60
agctctacac ccataatgtc cgaatcaaac tctcttctgg ccttcttcag ccagcaaagc      120
aacacgggcg gcatcattgt caaagagcaa cccaaactcg acctcgacct ctacatctcg      180
aactacaccg gtcgaacgag aatcgatcgt ctcatacaaa tcggaagatc atcagtgccg      240
ctatgcatcg atgogctcaa gctcgccata gccgaagcaa agaaaggctc ggatgtatcg      300
caatacggcg aagcttgga tttgtctcgt actgcggcac ctcaagagcc agaagctcaa      360
ctcgaaacag aatgggtcga tcgaattgaa cgtgagaaca aaagccgaga acgcacgtct      420
cgaatctcaa cttaagcagt accgccccaa cttngaccaa agaaagcatt cgaatgggca      480
acgaaaactt ggggcagcat tttgagaaaa acagggnaat ctggaagcgg cagccgaagc      540
gtacaatcgc atgcgacagg gactcacaac caccaagcat attatcgatg nggatacact      600
tgtcatgtta catcgccggc ntgatggnaa tggactaaaa acctgggaga natcgggtta      660
nacggctaaa ggaccaa
```

<210> 1385

<211> 673

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(673)

<223> n = A,T,C or G

```
<400> 1385
cgaagccctc gagcagtggc gccgcgacgg aacagggtccc tggacaaagt ttgcctgtga      60
gttgggtatt ggctggttca agcttgacaa gcttgtccag tcggaagagt tcaaggcgct      120
tctgtctcag gaacagacct atctcatgaa aggaaactgt gcctcattat gagattctga      180
cacactttcc tattcattgg tttattcctc agttcccggg tgataacctc aactactctt      240
gcattctcgt gttttactat aacgcgcaga gtcaagggtga agtaacactc cagtcatccg      300
atcccaacgt ccctctcaag ttcgacccca agttcttatc ttcacctttc gatcgtcgcg      360
tagccattga gtctctccgc gatgcattcc gtctcgtcaa gcatgagaac tacgtcaaga      420
acaacgtcga caccatgggc ggtccccagg gtgattcaga cgaagagctt cttgcgcatt      480
ggagagcgaa catctcttct agctggcaca tgtgcggggc gaccaagatg ggaaagaagg      540
atgaccctga ggctgtgggt tgataagtga ctccaagggt atcggtttct aaggaattgc      600
gtgttggcgg atatgggtgt tgtgcctggc ttnggctaata tggcatattc aagctgggtgc      660
ttatgtgaca ggg
```

<210> 1386

<211> 519

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(519)

<223> n = A,T,C or G

```
<400> 1386
ctcattggcg cattcatcgt tgacccctc aatcattact tcggtcgtcg aggtgaaaat      60
cttcattacc gcatgctgtc ttactgccac gcctatcgcc tccggcttca ccactcatgg      120
caaacacttt tcgccgtgcg cttcgtcatg gggaattggg attggtgcc aaaaacgctac      180
cgtccctatc tactcagctg agatgctccc gcacgcattc gtgggtgccct cgtcatgttc      240
tggcagctgt gggtcgtcgt cggaaatctc ctoggcttct gtgccaatgt catcgtcaag      300
gaactggccg aatcgctggc cgtctgcagc tcggctctgc ctttatcccc tccttccttc      360
tcggctcttg tatctggttc tgtccaaaat cctcctnttg ntcatagaaca cngcaagcat      420
gccaaagggt tccgatcatn caaaaactgc aacgccnana attatcgccc gaagganttt      480
actattctgg gttntacaa gaagaataat gtncaaggg
```

<210> 1387
 <211> 581
 <212> DNA
 <213> *Fusarium venenatum*

<400> 1387
 cgcaagtaca agcagagccg cgatatcggc gtttcccttg agctacttac gggtgccgca 60
 gctgggtgggc cttgctggtg ttatcacctg tcctctcgaa cgttgtcaag acacggcttc 120
 agacacagat cagcgcaccc gcagaaaccc gggcgaacaa ggaccacatg ccacatcaca 180
 aatccggcat atctctacct catctcccag cacgcaccgg ccacgaccgg cgctattgct 240
 ctgcacactt cttccgtctt taccggcttg cgcattgatt accgtacaga aggcattgca 300
 ggatgggtcc gcggcgctcg tcctcgcggt gtatggacct ttatccagag cggctgcatg 360
 ctgttcctgt accaacgact tctccggcag ctgcaagttt tcattcccag cgagctcaag 420
 gaaatgtaga aatctccaca catacttcac atacactttt tttctcgccc ttgtcactac 480
 ttgatgattt tgaaccctcc ttttttatgc gccgtttctg ccaccacca tccctgtata 540
 acgtattaga gaatcggacc tatgatatga atagcaatgg c 581

<210> 1388
 <211> 587
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 1388
 gcaccatcca caataccgac tcgactcaac tcaactcggg tagatacgct cagagaagca 60
 tttagtttct tttgcgagtc tgttttcgtg ttttcggcct gttagcatac taccgaggtt 120
 accttggtca ctcacctcta cttttacgtg acgcttcaact aacagcgtct cctctcccat 180
 caactttggt gttctgcaaa acaccgtcac tcgggctttc tcaactcattt gancgctgca 240
 aacgtctcga accctctttg ccaccgttca ttatggcttc ccacgctagc gctccgcaga 300
 ttacgggtcct gggttctctc aatatggatc tcgtctccta tgtccacacac catcccctac 360
 ccgggtgaaaa ctcacttcat cccatttcaa cacttcgccc ggcggnaaaa gngccaacca 420
 agctgtagca tgcggcaagc tgtccgggat tctgaactga acagcccttc agccaacgtc 480
 tccatgggtg gngccgttgg tgctgaccc acggaactct cctccttgan agtcttcgct 540
 cttttggggg ttctgttgan nccgttagtg ctgcgcagga cagaaat 587

<210> 1389
 <211> 936
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(936)
 <223> n = A,T,C or G

<400> 1389
 cttgtggcta cggccaacga ccagattgca tctatcgacg acaacgaaga cgagggtcgc 60
 ctggcttata tctccagttt ccgtcgtctg gttgagcagc atgtctcgcc tgcataacctc 120
 gaacgtatcg attctgaggt caatatgttg cgtgacggct acgtcgactt cagtacgtgg 180
 tgtatcaccg gcttcgcaca gctcgtcttc actgtcgact tcggcacagt catgcctgac 240
 ttcttcacac cccgctggta cacaagtaat gctatgaaac agatgggtgg gacatttgaa 300
 gagtacgtca acgactatcg ccaggtactg caccactccc ttgtggacat ctttattgag 360
 atctttgctg aggagctgct tggtcgggtac ttatccgccg tgcgaaacaa ggggtgcaaag 420
 ttccgtcgca ccgacccctt tcaggacaaa gctgttcaac gacatctcta ctgcatttga 480
 gtgcttttagc actctggcat caccctgatg tcgggtgcatt catcaaggaa acctggcgtg 540

tcacagagca	cttttctgcg	cctactattc	ggcagaaccg	tgatgccatc	gnttgacgct	600
ttacgtaacc	ttcaagacgg	cttactggga	tctgagcggt	caatgggtcg	aggttgtatt	660
aaggtcgaga	gatgatttcg	agangtccat	gatagcaagc	ggtcaagaag	gaggctgcca	720
atatcgatat	cgaacgtgga	cccggagacc	atcatgagta	gaagtcaagt	acaaattgga	780
cgagtcatga	attanggttg	cacaaaaaaa	gaggaagggc	attgcnggna	aattgnatga	840
naggcattat	ttatgctcct	taacgacaat	gatattnaac	ttggtattta	gcctactggg	900
ggcantcggt	gggcttactt	tggctgagca	taaaaa			936

<210> 1390
 <211> 567
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 1390						
gcgatcattg	ctaacaagtg	ctaggtttac	caaaagggttc	ttcttggtta	tgggacaatt	60
ggaaaccccg	ccgaacatgt	tctcgacgga	actctcaacg	tttgctcggt	cgacnataac	120
tttcccgcga	tcagctggcc	cgtctgcaac	tctcacttna	aggcattggg	ttacttgcaa	180
ccaggaccaa	acaagttgcg	cttcgagttt	tcgagtccca	aactacccaa	tagtaacagc	240
tccaacccga	ttcacgcctc	ctaccttacc	gttcatatgc	tcccagtcaa	caattctccg	300
ccgctgcagc	ttgctatact	agttgccaa	gattcgccag	agacattcga	tgcgtcnccc	360
gccggggcna	aaaggagggc	aatggactgg	agactgccgt	gaanaanttc	aggatggcgg	420
cgtaacctgtg	gcaaagcatt	cacctcgga	cagatgtggc	ggaacaaact	tggacngcgc	480
gcattcngtt	ttgatnaaaa	atggacaaca	ngtccgccaa	ctntngtgac	cgananaatg	540
gcnctgctgt	tcnaancca	gggttat				567

<210> 1391
 <211> 542
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

<400> 1391						
ccntctcaag	cccacaaagc	ctatcatccc	cgctccctcct	cctgtctaca	caactgaggt	60
tctcactgcc	atcaccacct	actgccctga	gcctaccact	cttactcacg	gcaacaagac	120
ctacaccggt	actgagccca	ccaccctcac	catcacccgac	tgcccttgca	cagtcaccaa	180
gcctnagact	gagcactacc	ctcagcccac	ccctggcaag	cccggacacc	ccggcaagcc	240
tgaggttccc	gctcctcacc	ccactgtctc	cgctcccggga	aagcctgagt	acccccagcc	300
cgccaccccn	gaggctccta	anaccaccgg	ccccgtcccc	gtccccgtna	acctaccgg	360
gnactactnt	tcttctgagg	gtaccagccc	tgccgtcgtc	actggtgctg	ccggccgnat	420
cgccccctgnt	gggtctcctgg	cctttatttg	cgccattggg	ttntntnaag	ctattctacc	480
acatgcttgg	cacggatatt	tattttngga	tggganataa	gngacanaa	aagggggggg	540
an						542

<210> 1392
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<400> 1392						
agccattcga	ggtagcaaag	accttggttg	aagtccggaa	tcaggatgaa	aatgctatat	60
ttggacttcc	cgcagagcca	gagaccacct	agaagccggt	cactccacct	agaagctcta	120

tgtatgattt	tagagactcg	gactctgagg	gcgaagagcc	taattacttc	tcatcaaaca	180
ccccctcaac	tctctacgaa	tctccatggg	gttcaagctc	tcaacgagat	ccatcgccctg	240
tgaagaaacc	agctatccca	gaacactttc	ttcaactccg	acgcccagat	tcgattctcg	300
aggtgatcgg	tcagctatgg	tcgaaagagg	gtgcctgggg	agtgtggaag	ggttcaaagt	360
ccacattcct	gtacacagtg	ttgcagtcgt	tgctggaaaa	ctggggtcga	agcttcctca	420
gtgcaatttt	taatgtccca	gacatgggtg	ttagagaaga	cattgatcgc	atgatcgaca	480
ttgcttcgcc	ttacccttgg	gcattctctt	ttggtgctgc	tgctgcagct	gtggccacag	540
gacttgccctg	tcgcattgga	cttgggtccga	actagactta	ttgtcacccc	gagctcaaac	600
gggcagcgc						609

<210> 1393

<211> 611

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(611)

<223> n = A,T,C or G

<400> 1393						
gaaatttagt	gatagtataa	gatcaatcgt	gtcctgcgac	tctntttggg	aactttgntg	60
ttcatataag	tatattcttc	tctcangggg	atcttaagac	cgtctctata	caatcacatc	120
taatatagat	atacaatggc	gacaattcga	catgcccgcc	gggaggacgc	tcccataatc	180
cttcagctca	tccaggagct	tgccgattac	gagaaggagc	cagatgccaa	caaggccacc	240
attgagacct	tacaggccac	aattgccttc	gcgccatccg	actccccga	cgccgacgcc	300
tttgtngtcc	ccaccaccga	acccatctcg	ccaacaaagc	ccgcagatgc	cttttcttat	360
ttcccccgaa	ggtgaagccg	cggatgggca	ctgtntcttt	acaactacag	cacatggngc	420
tcgcgcgcag	gcatttatnt	ngaggacctg	tacgtccggg	aatnaaagcg	cggnaaggga	480
taccgcaaga	aattgttgan	cacattggcc	aaacaggtca	ttgccatgga	tggagttcng	540
ctcgactggg	tagtcctcaa	gggggnacga	acctacatca	agttntntga	aaacatcggg	600
gcctacctat	n					611

<210> 1394

<211> 431

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(431)

<223> n = A,T,C or G

<400> 1394						
ctttcatctc	ctttcccttc	cgacatcatc	tcaacccttg	ggcgcgcact	cctttttccat	60
caaaaagaag	ccaatctcgt	aactacgaga	tattctattg	cgtttcccac	cactctatcc	120
tttttaataa	tccctttttc	cccttcccag	acggttccat	tccattcggc	tccgtcttca	180
tctctctctc	tacaataatg	tctggctacg	acggcggata	cagcggcggg	ggtggccgcg	240
gaagtggcgg	cggctacagt	ggtgggtggt	acggccgtga	tcgcggtggt	gatcgtggtg	300
gtgaccgcaa	cgggtggttc	ggangccgaa	gcaacggaaa	tggctacgga	agaagaagtg	360
gtggttatgg	cgggtggcgc	tacngcggcg	gtggtggtgg	ttacngaagt	ggttttgga	420
gtggtgctgg	c					431

<210> 1395

<211> 504

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(504)
 <223> n = A,T,C or G

<400> 1395
 ctggacacca gcacgacctc cacctgctggg actgggtcaac tccaatatgg tcgtcgcatt 60
 gcacttccac ggtggaggct acgttatcgg gaatgggtcgt gacnaagata ctggattcct 120
 ggcgaaaact cttgtgagat atatgggctg ttctcatggt tgtacaccac aataccgcct 180
 ctcgagtagc aacaacggac agtttccagc ccctcttcag gatgccctca cggcttatct 240
 tgatctgata aagancaaag gcattcctgc cagtcaaatac attctctcag gcgattcggc 300
 tggggccaac ctggcactgg cattgggtacg atacattcac gaacacggac aagttgacga 360
 catcccactc cccaaaagcn atggctcttt ggggtcacctt ggggtanacnt cgcantctgct 420
 ttggaacagg acttcaagca gtcacccaac tacnaaacna atatctgaac atntctttgc 480
 cgcntggggg tgcaactacc gtcc 504

<210> 1396
 <211> 564
 <212> DNA
 <213> *Fusarium venenatum*

<400> 1396
 tgcttgctgt ccgtatcgcc gcacttgtcc cggcctaacc cagactcaac agcctctggc 60
 cctcgtccaa atcccattct cactgacatac tatactttct ttatcgacca ttctgagcac 120
 ccgggtcttg ttccggcaga tgcggaccca cgactgtgaa agcccgtga gcattcttat 180
 cccaccgctc ttatcaactg cctatctcgc gacaccactc ctccaaactc gacatcaata 240
 ccaacaacgt cgtatcggcc attcataatt attcatgtcg aattcaccag aaaacggacc 300
 tgccaccagc ggtcataaac gtcctcgaag cgatgatgcc gatggagacg acgcccgtacc 360
 tcaacaggac attcccagaca atgccagcgt tcccaagcca aagcgactgg cctgtatgat 420
 atgtcggaaa cgcaagctca agtgtgatgg tgtgcgaccc agttgtagta cctgttcacg 480
 tctcgggtcat acttgcgcct acgatgaaca gcggagaaaa gagcggcctt aagcgtgggt 540
 acgtgaaggc cttcgaggag cggg 564

<210> 1397
 <211> 498
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 1397
 gaaaaaggct cgttctgtag caatctcaat ctnaaagcac ccgttgccga cgtccagtcc 60
 atcaaaccga acctacctcc cgcgataccc acgaaatccg tcatcatgtc ttggctcggc 120
 gttcaacccc tcaagaagtt caacgctcct ttcttgaagc cttactggcc tttcttcgct 180
 gccggtgttg tcattgccta cgggtgtcaac tccgcccaga acgcatgat gaactccgcc 240
 gagttcaaga acgacccccg caaccctaac gccaaaactg gtggccacta agatgttggg 300
 aataggaaaa gggatttcgt ccaagccggc aagcataatt gatccgctcg aacgcgaggg 360
 tagggcccat gagatggaat tgtatcatag aatcgcaaaa ggggcttaac tgacctacac 420
 aacgatctgt acgacttgcc cacgggtgca gttggcagca acgaatacgc tcaaaaagtcc 480
 ggatgttcga atgctgag 498

<210> 1398
 <211> 405
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(405)

<223> n = A,T,C or G

<400> 1398

caggattg	gc	at	caa	agt	gt	cg	cc	ag	aa	ga	ga	agg	aa	tg	gg	tc	ng	ca	ac	tc	ga	aga	60					
cactcg	at	ac	gg	ct	tg	ga	gc	at	ga	aa	ca	at	tc	tg	ca	ac	gc	at	ga	gc	aa	at	gg	tc	tt	gt	120	
ggacga	act	g	ag	ca	cc	gt	cn	ag	aa	tc	aa	ct	ga	tg	at	gc	ac	gc	tc	tg	ca	at	ga	cg	cc	aa	180	
catca	acc	ag	tg	gc	tg	ga	ca	at	ga	gg	cg	aa	ga	ga	at	tt	gt	cc	ag	cg	ta	tc	gc	tc	cn	na	aa	240
aagg	ct	ca	ga	ct	cc	ac	cg	ca	ta	ga	aa	ca	ct	gg	ta	tg	ct	gc	ga	ta	aa	ca	tc	gc	tg	ta	300	
tcaag	tg	tt	g	ct	tc	cn	tc	ct	cg	at	cg	ga	ta	ga	at	cc	ga	ga	ta	ca	ac	tc	gc	ac	at	gc	360	
cgga	ta	gt	at	ga	tc	at	tc	cn	ag	ac	tc	ta	ga	at	ga	at	gc	tg	gg	gc							405	

<210> 1399

<211> 650

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(650)

<223> n = A,T,C or G

<400> 1399

cgag	tc	ca	gc	cc	ga	at	ta	ca	ct	ta	tt	at	tc	gc	gg	tc	aa	gg	ag	cc	gt	ta	at	tg	ct	tt	ca	tc	ga	60	
cg	tc	ta	tc	gc	ga	tt	tc	act	tc	ca	at	tc	ct	ccc	ac	cc	ca	at	ga	ga	cc	ca	gc	ct	ac	ca	ag	tc	120		
t	tc	ga	at	tc	tt	ga	ac	ga	gg	ct	ac	cg	at	tt	ta	tc	ca	ta	gg	ct	gc	ta	act	gg	ga	ac	ct	ca	180		
ag	ca	ta	tc	ga	ca	tc	ca	aa	gg	ag	ac	cg	ca	ta	tg	aa	ga	ga	ta	tc	ca	aa	gg	cc	tg	gg	cg	tc	gc	240	
t	at	ca	ac	ga	gc	ag	ga	ca	ag	aa	ag	ct	gg	gg	gc	tc	ca	ac	ct	gc	tc	gg	ag	ga	tg	gg	ga	cc	300		
ga	tt	ct	gt	ct	cg	ac	ac	at	tg	aa	at	ct	gg	gc	gc	gc	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	360	
gt	cc	at	ga	gt	gt	tg	ga	tg	ga	tg	gg	tt	ct	aa	cg	aa	at	act	gg	gt	ct	gg	ca	gt	gc	ct	ca	ga	420		
ct	cc	at	at	ta	aa	cc	at	tg	ga	tg	tc	ag	gg	tc	at	at	gg	ag	ct	cc	ag	tt	ag	ag	tt	gg	ac	ct	gc	480	
g	ta	ag	gc	ac	gg	ct	gg	tc	ac	tg	aa	gc	ct	tt	tc	gc	ag	ant	at	ga	nt	gc	ata	ac	tg	ng	gg	gc	ac	540	
c	gg	ac	ga	gc	tc	aa	ct	tc	gc	ac	at	ata	ac	gc	ac	gc	ga	tt	ca	tc	at	gc	ac	gc	tc	tt	tc	at	tt	gc	600
ta	gc	ata	ag	tg	gn	at	ag	act	tg	ag	gc	gc	ct	tt	tt	tt	tt	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	tc	650

<210> 1400

<211> 392

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 1400

tg	cc	ta	ca	aa	ta	aa	at	ca	ta	ga	gc	gc	tc	ca	aa	ca	at	tc	tc	gc	cc	tc	gc	tc	gc	tc	gc	tc	gc	60
ag	cg	ct	g	cc	g	tt	gc	gt	cc	act	tc	acc	ac	ag	cc	ca	aa	ag	cc	ca	ag	cc	ct	gc	tc	gc	tc	gc	tc	120
tg	tg	tg	tg	ca	agg	ac	na	aa	aa	gg	cc	aa	gc	gc	ga	tg	ag	tg	ca	tg	ct	tc	tc	tc	ca	ac	gc	aa	aa	180
ga	cc	ct	g	cc	g	cc	g	ca	gt	ct	at	ga	tc	ga	cc	ag	ta	cc	gc	at	gc	tc	gc	tc	gc	tc	gc	tc	gc	240
gg	at	tc	ca	gg	tt	ta	aa	ca	ag	gc	aa	aa	aa	gg	cg	ac	gc	act	gt	cg	at	gc	ac	na	at	g	at	tc	ct	300
tg	gt	ca	ca	at	ta	cg	ga	cc	gc	gt	gt	ta	ca	ac	at	ag	ac	gc	gt	ta	ta	na	aa	ac	gc	gg	gc	aa	tc	360
ca	tg	ca	tt	tt	ct	cccc	aaaa	aaaa	aaaa	an																			392	

<210> 1401

<211> 605

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(605)
 <223> n = A,T,C or G

<400> 1401
 cgccactgga gatcttggctt taatcctcat tttctgagag tgatataaac aaggaggaaa 60
 ccctcattca ttttttccaa caattttgca ttcaccaact taaccttcat tttttcccat 120
 caaaggaata tcagcctctt ttccaacacc aaagaaaaaa aaagtttctt actccaccac 180
 cacacgcgag cgacttctat ctctcacgag accgtcacaa tgaaggtctt cagcaacagc 240
 gttacctaca actactcctg ggacgaggtg tccacagcca actggacaaa gtacggcccc 300
 tggaacaaca agtctgagca tggtatcgnc gtcgacacac tcttcgcga agtcgacccc 360
 gcgacaggta tcttccgacc gagcgtctga tcacatgcag caaaccgtcc cgatggatca 420
 agattttatc ggcgagaccg anatgagagc tcattgtncga agccagtacc tngacctgta 480
 acaagaccnt acctggttag cagacttggc tgggcaacct gtaacgtcaa nggaagtgtc 540
 ttaagctttg ggacttaaac cagtantcca aagccaaatt attgtttgag ggggtgnaaca 600
 attaa 605

<210> 1402
 <211> 515
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(515)
 <223> n = A,T,C or G

<400> 1402
 ggtatggata tcaccttgcc ggtgagggcg gtggtatcaa agtgactcaa ttgcaagtgc 60
 gtgctcaaat caaccccaac ccctttgtcg agacgaccct cagctatgcg ctcacctaca 120
 tcgatcgctt tgctgggcat cgtcccaatc acagcttggc atctgcccgt ctcacatccc 180
 ttgcagataa tgactattac tctcactcgg aatccgacac gactcgttca agtcgtttcg 240
 ctaagttccc cgtgactctg ggcaatgcca acaagactgg gtcttggctc ttccgctgct 300
 cttgtcacct cactaaccgc ctgcgtccct tgttcaatat ctaaccgang gtctccttaa 360
 caatgatccg acaaaggga agagaacact gcataactta actcaanggc tgccactgcg 420
 ctggccaagg taaagggttg tcaaggtttt gatggttgca acggtgtcta agggtnnttc 480
 aagtaaaagg ggctntctcc nggcaagctg naca 515

<210> 1403
 <211> 1161
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1161)
 <223> n = A,T,C or G

<400> 1403
 agcgaccccc ctccaaaaac cacaagaaga gatcaaagcc ggccgatcta ccaacaaatg 60
 gccaccttag cccccaaag aatgggaaac ataaccatcc cgccgacca catcctccgc 120
 ctaaaagggc gaaacacagt tcttcacaat ccgtcagctc ccaagccccc aaacggagcc 180
 cttcttacgg aagtggccga ccaaatactg tccatcctcc aagccctgct accaccccac 240
 cagacctccc cgaagatttt caaatccacc agtactccca aggggttttac aacttgtaca 300
 atgcaagana tgtccccgac tcgcacaaca atgccttcgc tagcctcgct attccacagg 360
 gttatctcgc tggcttcgag accccaatac gatgaggagt gaagtgggca gacgccattc 420
 ggatgttttt caaaaatcat ccaccaatct ggaagctaata aaacccaacc ttgaagtgcg 480
 tgataccacg agaacactgg atgacggcga ggctctcaga tggaggtttc tgaaatccag 540
 cacaccaatt gaaaaggacg tgccctctagt ggaactgaat ggtgcaatcg gtttccaaaa 600
 agactattgc gctgacccag caaatctctg ggctgacctc tcttctcctc tcccttttgt 660
 tttctttcac cctgtccttc cgttgtatat cgacacacga caagaangtt ctttagctcg 720

ttacgtacgc	aggagttgca	aacccaatgc	ccaactagac	acatatcttt	ccgacgagag	780
cgaatacact	tctggatcgt	cagtगतang	cacatatccg	ccaacganca	aattacctac	840
cctgggactt	tgcgttagan	aaaaatgtgg	atgctcgctg	gcttcatctt	cttgggttga	900
gcgacgacga	ttcctctagc	cacacagaaa	tgcccgtgga	tgacacagag	tatatggcga	960
tatcgaattg	gatgagccgg	atcctctcaa	aatatggggg	ntgtgcgtgc	gacctggata	1020
acaactgtgc	gttcgcacgc	tttcatcgcc	agtatnttta	tttgaaacaa	caagtgcgtg	1080
gccccgcaa	aaaaaaacaa	agaaagtnc	aaacacangc	tnttttcccc	accaattcca	1140
gganaaaact	gttcttacct	a				1161

<210> 1404

<211> 771

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(771)

<223> n = A,T,C or G

<400> 1404

aatcaagtcc	aaacttanaa	acagaccnct	aagccntttt	ctntcctnta	atcgccggta	60
acagcctcca	gaatttccat	aacctcctcc	gtcttcgtga	tcttataagc	attgggtcttg	120
atccagatgt	cgttcaagct	attcgagca	agaccgggga	gatgatcaga	cgttattccg	180
acatccttca	acgacctcgg	catgcccac	tccctaata	tcaagccgag	aatgtcggcc	240
aaatcatatt	ctttatctac	cattttcagt	ccattcatga	gtgactttac	gggttcctgc	300
ttcaaaaagga	tatccagcgt	acgcttctgc	tgggtcttgt	tgactccctt	gtcggcgctg	360
aaattgcaca	ctgctggaag	catgatgcaa	ctcgtctcgc	catgcccagc	acctaaagga	420
ccaagctgat	gaccgatagc	atggctcgca	cccaggggta	cgccagtgga	tactgcgtgc	480
atggcttcta	caacacctgt	ctgacaaaga	tggcgagcat	ccagatcctg	cgggtcatgt	540
ttgcatcgca	gcagcccggg	tatcaactgt	tccagcccat	gtgccgctgc	ttcgtcacca	600
tctttgggtgc	tttgcaatga	acacaaaagt	ctcaacacaa	tgggtccacaa	gctctaattgc	660
cagtactgag	ccagatcttc	tgtgggggtg	tagtagtta	ttgggggatcc	tgaatgacaa	720
agtccgggtc	gactttgggc	tgaacgtga	acttggncct	gttttcttgt	c	771

<210> 1405

<211> 365

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(365)

<223> n = A,T,C or G

<400> 1405

nctgacatcg	acgtaatcgt	ggnatgtgat	natctccttc	tcantatcga	tctgagcggt	60
gatctgggga	acctctctgg	cagccntggg	gggtggccttg	gtgaaagcac	ccatgtaacc	120
catacgcaen	ccntgctcct	cggcgacttc	ctccttgtag	ttggctctcc	aggcgatcag	180
gttgggtcatg	tgcacttctt	ggatngtggg	ganggaggcc	agtgttctgg	gatgcttgag	240
cggcggaat	ggttcgtcca	tncggacatg	tctcctgcca	naccggtcag	tcntgcatac	300
aantactgnc	atgaatatta	cantcgtctc	ctcggttggg	cacttncctg	gcggacagag	360
gcttg						365

<210> 1406

<211> 433

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(433)
 <223> n = A,T,C or G

<400> 1406
 cgatctggta gcttcgtcat aggggttacgc acccctgtgg attggtggct tggaaagcac 60
 agacaccgag gaaccgtaac agcagttaca atgtcaggta actggagata caaagaatac 120
 gactgggtag caggaccggt tgactatgtc gtcgagaacc ccggcacgat ccatacactg 180
 tttatgggag ctgggtctga ggtgatcttc accatcacgg gcagtcttga attcttcaac 240
 gatgatgata gtttgaagga gacaatggat attttcagtt tcgcgagtt gtattacgat 300
 cactgcgagg aaaagggtgt tgaacccaac aagggtctgt ggtattagan gatcaagatc 360
 agcgcggttca ttcaatttta tcactttcgc tcgataattt tctatagctg aaatgcgtcg 420
 tatttaactg ctc 433

<210> 1407
 <211> 376
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 1407
 nccccngccc atttgtatna aacttcacct cgcttgact gaaatggcac gaactcaacg 60
 ccaaccgtac cgtgtatatt catgagcttc acaagagata cggccagtg gtccgtgttg 120
 cgcctaacga agtctntttt accgtcaatc gctgcatcaa aganatttat ggctccggtg 180
 gcagtggata tgacaagacg gaattctaca atctctttca ggtctatggc aagcggtagg 240
 aatgctatta catgttgata cactagttat gctgactctg gataacatan aaccatgttc 300
 tcaccttggt taaaggcgac cacncaaagc gacggaat gattggcgat cggatatgcca 360
 acagtaacgt gatgaa 376

<210> 1408
 <211> 588
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1408
 ccgcaggaat tttttttttt tttttttttt ttttttgaag aaaacaccat acattacgcc 60
 atgacacaat aaatatccta caactttgtc acagtctcgt cggcaccagc ttcttttagcc 120
 aatgccagag caaactcagc caaagatccc ctctgtctcag catgctgtct cgcttttttca 180
 ctgctcgctt gtctaagcgc ataacgcgct gcaatgccct gacacacacc cgccagcttc 240
 cagatgctaa acgacatgcc ccacggcacc tccggccgag cgtcgtagcc actttcctct 300
 gcgtnccact ccagaatctt ctccggctgt ggaagaacat cagttttgcc ggggangaat 360
 cctgatgcat cgtatggagt tgcaccaagg ggatttggcc gaataaaaatt ggtgaagaaa 420
 ttgcagatat cngaaaaggg atggccgatg gtagacattc ccaatccaat atccaatcac 480
 tctangctoc gtcttgtgaa acaccaagtt atcaatcttg ttatcacctg ganaaccttg 540
 cccggtcctg ggntgcatcg ccatcttaaa aaacgaaatc cctccaaa 588

<210> 1409
 <211> 762
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 1409
 ggagatcggtt ggcgagcgtg agaaccaggt cactgaggtt gtggatgttc ctattgagaa 60
 ccatcgctcc ctcatgtgtc gcggtggcga cactaagcgt cagcttgagg ccaagttcac 120
 cgtctccatc gatgtccctc gacaggggtga tggcaagacc ggtgtcaagc tgactggccg 180
 acccgagaac gtggcgaaag ccaaggagca catccagggg cttgttcagc agcaacaggg 240
 cgagaccatc aggtttctgc aacctccacc actccatctt caacgggtggn caagttcttt 300
 cgtcagcttc gaaacaacta ctctgttntc gttgaccacg cttgntcaaa cttttccgcc 360
 aagcctgact ttntactcgt tncaacgtcg gagctctgcc tctgatcact gacgatgacg 420
 atgccagctc tgaggctcac tctgtggaagg ttgttcanat tgatgctggc gatgatgggtg 480
 atttccccctg ggttcttcgc ggttcatccg agaatttcga gaaggccaag gatgctattg 540
 ccaaggccct tgagcaggcg aaaaagagcg acgcttcggg ttattttgtc ctccccgacc 600
 cttgcactta ccgacatgtc attggcccca acggcttcaa ggtcaacgct tttcgcaagg 660
 agagcgactg acaagatcca ggtccctcgc gaccaggcca aggatgaagc cattgagatc 720
 gttggaacta aggaaggagt tgagcggggc caaaaggggg gn 762

<210> 1410
 <211> 630
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 1410
 aacttcatca tgccgtggaa agaccatctc aagcgcctca agaatgaatt cgaaaatcta 60
 gtcggtgagc cacaagctca aaaccagagt cagaatcagc aacattaccc cccaccgcct 120
 cctcctcccc aaggccaaca gcccatgggc cagaaccagc agcaaggaca cgtctactgg 180
 cagccccaat tccgccccga cgcacccggt tcctctgagt gggacgcaaa gatcggtaac 240
 ggcccgcagt gctggggtaa tcaggagcta cagtactaca ccgccgatca acaaaacgcc 300
 ttccatactc catatggaaa gcttgtttta cgtgccattg caaacaatgc agagtctgat 360
 catgagaagc ggtatacctc tgctcgactc gtgagtcgca gacgctctct cgcgatcaag 420
 gcgtctcac cgctgtctac ttcgccatgc gcgacaggta tctggcctgc attctggctt 480
 cttncgnagg agcccttttc tggccactga tggagaagtc gacatagcgg agacgtggaa 540
 cggcgatatg gagaacactc gtgttttcac tggggacacc atcatgaagc cngacaagca 600
 tngcgtcttg gcaccaana ttccgacatg 630

<210> 1411
 <211> 657
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(657)
 <223> n = A,T,C or G

<400> 1411
 gattttatga cccgcgcga attgaggggc cgatttacgc ttcagaaagt gggctgaagg 60
 aagctatctc tatcttgact gttaccgtac gtcaattctt gagcctcatt taaccaacac 120
 caatttacca ccaccacca tttacacca ttcactaccg cagacatgga tatcagactc 180
 ctcaaaaacg cagacttgcc cctcatccag cagcgaaccc tcgagaacct tcccagagaac 240
 tacttctcctc agtactacct ctaccatgcc ctctcatggc cccagctgag ctacgtcgcc 300
 gtcgatgtct caaggcccaa gaaggaccct tacgagtacc ccaagattgt cggatatgtc 360
 cttgccaaaga tggaggagga gccttcagac ggtatccctc acggnccat caccagtctg 420

agtgttatgc	gcacacacccg	aaagactcgg	tattgcccag	aaagctgatg	cgccagagtc	480
aactcgccat	tggctcgagac	attccaagcc	aagtaccgtc	ttcctgcacg	ttcgtgtctt	540
caacgccgca	gccgttatnt	ttacgagaac	acactgggtt	tnaccaacga	gaagaaccgg	600
gtccaaatac	tatgccacgg	gaaaatnctt	tgatgcgtta	nactnggggn	taanaaa	657

<210> 1412

<211> 595

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(595)

<223> n = A,T,C or G

<400> 1412

ggaaagtacg	agggtcgagc	tcccgccttg	cttgataact	tggtccaggc	tatcttccta	60
gctcccatgt	ttgtgtggct	tgaatcctc	ttcaagtttg	gataccgacc	tgagctccga	120
gcccgtgtca	gcaagaaagt	ccagattgag	gtcgagaagt	tcagggctaa	gaacggcaag	180
gctcaataaa	gcagatttat	agccaatttg	accatcgaga	caaatcacgt	tctgatgtgt	240
aggaatacac	cttagacacc	gtcgatcgat	gatcagcgca	ggatactcga	atcaaagtgg	300
tcgtggagtc	aatggatgta	atgaaggaa	tatagactac	accaccaaag	agaagtggta	360
tttgtgatct	cattccctgg	cttcgctcac	gtacttgggg	ttcccaagag	cagtatcgat	420
tgcttatacg	gccgccacgt	ttgttgccct	gangttcacg	tcaaaaccaa	tatgcatatt	480
taggatgaaa	ggaaggctcg	aatagggcca	ggccatattg	gccggctcaa	cattgcacaa	540
gtgtcaggat	tgtgttattt	gcaattttaa	ttagcaatta	tcatcgagca	tttac	595

<210> 1413

<211> 752

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 1413

gcaaaaaggt	cacctcaagg	gcgacgatcg	taagaaggac	cgtatgtgcc	ttttcaagca	60
attgattcaa	ggcgtgtact	atcttcatgt	caacgggtatt	gcccaccgtg	acatcaaact	120
tgagaatctt	ctcattacca	aggatagcaa	gctcaagatc	actgatttctg	gtgtgtcaga	180
agttttctgt	ggtacccacc	cgggtcttcg	tgaagctggc	ggacaatgcg	gccgtaatat	240
gggtggcgaa	acccgcctgt	gctcacctgg	tatctgtggc	agtgaacctt	acattcgctc	300
ccgaagtcct	cgctaagaag	gaatcttacg	acccccgagc	ccttgatgtg	gtggaagctc	360
tggecgattg	catgatttac	cttacctttg	gaggcgctat	ttgggtccca	agcagagcct	420
ggggggagctt	catttaccga	caagctttgt	caacgggttg	gaaataaaaat	ggtatgcgaa	480
gcattcagag	agcgacgcct	tcatcagcga	tagtgattac	cctaaatgtt	accctcgac	540
gttggcatga	gcccgctgct	ttgcgccgct	tgctctacag	atgctgaacc	cagacccgag	600
caaacgtatc	ggaatcgacg	aagtcatnaa	caaccgctgg	ctgaaaaaacg	ttgagtgtcg	660
ccactcgaat	cctatgacac	ccggtttact	natcgatgcc	ccaaaaaaga	caactcataa	720
tggcaacaag	aaaacttntg	tataaccact	tg			752

<210> 1414

<211> 507

<212> DNA

<213> *Fusarium venenatum*

<400> 1414

cgctcttatt	cagcttgaag	accaggttac	atagataaat	acctgagagt	acaaggccag	60
ggtgcttctt	attgaagcct	cgttttcttg	tttcctctcg	tgctattgtc	tccactatct	120

gatcatttttc	gccccaaatta	aaatgtccta	ttccgtcaag	gatcgttttg	cagttgttac	180
cggtgggtggt	tccggtatcg	gccacgcact	tgttcgactg	cttctcaacg	caggatgctc	240
cgtcgccatt	gctgatctca	agcttcgccc	tgaagcccaa	gctactgtcg	acgaattctc	300
ccaatcctcc	gacggcaagg	gctcggtttt	cttccaccaa	accgacgtct	ccgactgggc	360
ccaaatctca	gccctatgga	atgctaccct	cgaaaagtac	ggtcgaatcg	atatactggg	420
taattgcgct	gggagtttat	gaagcaccgg	gactctcctt	ctggaacccc	cccgtatctc	480
gccctgggct	gaagacccga	agatgcc				507

<210> 1415

<211> 970

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(970)

<223> n = A,T,C or G

<400> 1415

caaatcgcaa	gaggctccgt	gtcgacaaag	atgggtggctt	ccaagatgac	actccgatca	60
cttcagagtg	ttgagcttga	agagttgccg	gaagcagaca	gaagttgcgt	tatctgctac	120
aatgaatatt	gtgtagagac	tcttgagggt	gttaaagaag	ccccctcttcg	cttgcccaaa	180
tgccggacaca	tttttgggtga	ccactgcatc	aagaaatggg	tcgaagactc	ggatagttgt	240
ccctactgtc	gagacaagct	tcatgcggaa	ccaaagacac	aaggcggcag	ttctgctagg	300
gcattcatga	atctcatgag	atctagaggc	atcaatcccg	gactggcagc	tcaacaattg	360
ccggatgagg	tgctggccca	tctcagagct	caccctacag	gtgcggaccg	acgaaatggc	420
tctccgcctc	acgctgtaac	agcagcaaga	agatcgccac	caagagaagg	cgttgaacac	480
cagcaccgcc	gaactagagc	acgtcatgac	aattcaaaca	cacacaatgc	tctatcgatt	540
cccgaatccc	gcaacccgag	cagtttccat	ggagacaccc	cgacagccca	ctgtgcctgc	600
tgntgaacta	cccttcattc	ggccgcaacc	tgaacaattg	ccaatggaaa	gacaacccca	660
ggaatgggga	cgaggtcacg	ctcaggatgc	cgaatgtagt	gtcgacgtca	gccccagatc	720
gcaagcgcag	anattcaatt	gcctccgcgg	ttttgccaga	gctatcttca	tatnctttac	780
aagatgcgca	ggaccaacgc	ccgagagcta	ggactcttcg	aaaccctttg	caagtgcaga	840
ctggttcgcc	ttaccaaagg	tctgggaaac	aacgaaaccg	caccagatat	gccataccac	900
tcaaaataaa	aggnngtagc	ttgtcccagg	gngcattcga	tgggaatagg	atgaataacg	960
caggagttgt						970

<210> 1416

<211> 551

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(551)

<223> n = A,T,C or G

<400> 1416

tatcggcggn	ggtggctgta	accatggcac	atthtggtag	atggccaatg	caggacatgg	60
caaggctcgca	ggttccttgt	ggtcgcaagt	caagactcgc	gaccttgact	ntatggaggg	120
taaagatgga	aacccagcaa	caggatacat	gtccaactcg	cctgccccgc	ctagccagac	180
ctngttcgaa	tatggacaga	accctaacta	tgcaggatca	aactctggat	actcccagca	240
nggcagntac	aacgctcccc	cgccgnaaca	atnatacggn	ggtggntatg	gcggaacctcc	300
tcagcctcag	tacggagctc	ctccccagn	acattatggc	ggcccccaata	tggagggcct	360
cctcctcaan	aatatggagg	nccgggggat	ggaacacccc	ctcctnanta	tcctccatac	420
ggccagccag	gctatggngg	accttcttct	ggcaaccaac	cttctctggg	tggggacaat	480
atcccggnta	caccacggat	actaaaggaa	acatgatggn	aaataggagc	gtgctnttat	540
atatgaaacc	n					551

<210> 1417

<211> 810
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(810)
 <223> n = A,T,C or G

<400> 1417
 tatggcctga ttgtnatctg aaagtncgtc cctgttcctt gtctatctaa ctaagcattg 60
 acttgtctta tcttcctctt cactcatcca aagatacccc cctagcacct gatttcgctt 120
 ttgatcttct ctctcttcat ctcttcgatt aacaaacaac acatcaggca atctggacga 180
 catcatcaca atggctgcta ccaccgagca cagcgagcaa ttgagcgaga agcacgatgg 240
 tctcaacgga aactttgacc ctgaggctca gcgtctcgag gcattgagcc agttccgaac 300
 agcacagagt gttcagatga gccctgagtt gtttgagaag ctgtaccttt cgccaatgaa 360
 caaggtcaag ggtgatcttc gacagacgtt tgcaaaccga acaccaattg ctcttggttg 420
 cttcttgctt gccctttacgc cctgtcctg tgatctcatg ggctggcgaa gtgccggttg 480
 cagtgggtgct gcttcaaagc ccgtgtacat gtttatgggc gggcttctca tgattatcgg 540
 tgggtgttctc gaatgggttc tcggcaacag tttcccanct tgtgtctttg ctctttcggg 600
 ggtttctggg tctcttatgg tggcactctc atcccggcct ttgctacata cgcctcttat 660
 gctcctgccc atgctcaatc ctcgncnaag cctgctacac aaggttcaat gctagtctng 720
 gatcngggcc ncttatgggc tcttgtctat catcttcttg ctggcgccct cngaacaaac 780
 gntgtcttgg caagactttt ncactttgac 810

<210> 1418
 <211> 524
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

<400> 1418
 gcgagagggg taccgaggct tatacaaggg tctgacacct aacctcctca aggtcgcacc 60
 cgccttgagt atcacatggg tgggtgatga gaactccaag agaatccttg gattgaacta 120
 gtcgtcccag ctagcgatca gacgaaagaa agggacaaaa gacatgagac tgaggaaccc 180
 tccccagttc tcacaaacaa catttactac ttactataca tacacacgca aatttcacat 240
 caacattcag gaaagcgggg gtcttagcga ttggatggca ttgcgttacg acggagggga 300
 atcttatggc gttgaaagga ttgatatac agatgaaagc ggttgacagc cattgccaat 360
 gaacagagtg gtgtttcgaa tagaccacg ctgtattaaa ctacatgttt ctcatTTTTT 420
 aaggtggaag ancgatggct agaatttggg tgaacatgta tttgttcaaa gacgagatag 480
 aagagacgaa gtggtctcat gaagaataaa tcaagtttct tttt 524

<210> 1419
 <211> 326
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(326)
 <223> n = A,T,C or G

<400> 1419
 tccaccgcaa cgtctctgag cccctctgt accctcgat cgacaacctc gaccttgcca 60
 tcgaccctt cctcgagaag acctgcgac tctcctcga gagcattgag tcgcactaca 120
 ccgacctcaa caacttccaa tactaccagc gacaactcgg tcgtgagcag accaagatca 180

cacaatggca	ggccaaagcg	caagaacgaa	gaacgcccag	cgctgctgntg	ccaagcagga	240
gcctnttccc	gaggatgagt	ggnaacgact	tgttaaactt	tcttnaggag	cttacccgac	300
tggagggtnt	tgttgaatgc	caaaca				326

<210> 1420
 <211> 616
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 1420						
ctactatata	catatacatg	ccctcttcca	ctccatccat	tccaccctcc	tcttactatc	60
ttacctactc	caatatattat	taatccttca	cttggatcgt	ggatcaccca	cattgcttgg	120
catataataa	atactatagc	ttctatttct	acgctacaat	gggatcaggt	agcttgcctt	180
ctcctccagc	tgaggatcaa	aaatcgaccc	tctctcgaaa	aagtacatct	tcaagtacca	240
aatcggtcaa	gcctgtgcac	cgcacctcca	agcgagccag	ctcaagtgtc	gctacaattc	300
accaccacga	tcatgtcaca	catacaactg	gcatggacgg	tcgacacaag	cgtgtgtgga	360
aagcttgtga	gcgatgtcgc	atgaaaaaaaa	caagtgtgac	ggtgaattcc	cctgcaagcg	420
atgcaaggat	gatggtctag	tttgtactgc	tgggtgtncga	aagaaaaagg	aatacaagca	480
gttgccctga	agttaccgga	aattctcgaa	aacactcaat	tcgctttaat	tgctaccggt	540
cacaagcttt	actcaatggt	tcgaaacaac	caatcctggg	accttggcga	ncccgaatta	600
aacaatgcgg	caaccc					616

<210> 1421
 <211> 467
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 1421						
ctttnacatc	nccaagattc	ccgtgggttac	ccgggagcag	gctgatgccg	aggatcgatc	60
taagaagctg	attgccacta	ctnctaccct	naaggccccc	aaggttggcc	ctaccaaggc	120
cacaggtgcc	gaggccgttg	cgactgcctc	tgctcaggct	caaaagtacg	ctcaggagct	180
tatggagatt	cccagatgac	acgagtttgg	cagtgtgtgc	aagtcttcgg	ctnttatoga	240
gcttaccgag	gccgagaccg	agtacgttgn	tnctctggca	agcatatctt	caaggagcat	300
gttggttctc	aatcgaggtc	aagaacacct	tgcccgatgc	cgtgctcgag	accgtttaat	360
cgctgctacn	cctgctgatg	acnaggactc	gatgagnctt	catcatccaa	gctgngaagt	420
ntcaacttgt	gagcctggca	aggcttcgng	gcctttanaa	anatggc		467

<210> 1422
 <211> 614
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 1422						
ctcttttgtt	taattcagcg	gatttgtctg	tctttgtttc	cgacatctat	actttcaatc	60
catcgccctc	gagttgtggc	ctacgtttcc	ttctcagcct	ctataccaga	gtagccctgg	120

gctctctttg	aaccgtcaag	atgagttcag	actactctta	cgacgagcag	ggccaattct	180
ttcccttctt	tatcctcaca	cttaccggga	togtcaactt	tccccttacc	tacacactcc	240
ttcgtccgag	tgcgagcgat	gatgcgctag	cgccgcgaat	caagaccgac	tacaagccag	300
agcatgcggc	cacagtcgac	tccctcaaga	cagcgcgga	gcgcagccag	tggaggggtca	360
agcggggccat	ctttgtgggtg	ttcggtctggg	ccctcatggc	tggcatggcc	tacctcatcg	420
tagttacgca	gcgaactgtc	cccaagcttt	acaaccctta	cgacatcctc	ggcatctcaa	480
agtccctcaa	tgagaagcaa	atcaagtcgc	actacaagcg	actttccctc	aagttccaac	540
ccgacaangg	tcgccctgac	gccgccaaag	aatgaaaccg	tggaatctct	caacaactac	600
tacgtcgaac	tcac					614

<210> 1423

<211> 379

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(379)

<223> n = A,T,C or G

<400> 1423

agcttggtccg	acttcccagg	cgtaacattc	gatgttattc	togattttgt	tgggtgcacag	60
aagacgggtcg	aaacggcagt	atcaatcgtc	agggatgggtg	gcactatagt	tctgggtggg	120
ttggcttcgt	cgcgatttca	actaccaact	gcggatatag	ttaccagaaa	tctctcacta	180
aaaggggtcaa	ccagcgcaag	cattgatgaa	ttcgttgagg	ttttggaact	gctaagttct	240
aaagccttga	cgccacagat	tcgagagatt	ccctttgagg	aagttcccag	tgcccttgag	300
tcactgagtc	acggcgaaag	cactggtcgn	ctttatacta	gaccttgaga	tatattataa	360
atacacttat	cnggttaac					379

<210> 1424

<211> 500

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(500)

<223> n = A,T,C or G

<400> 1424

ccaccttgct	ctcagtcctta	gtcaacaaat	gaatacccg	cggtctttca	ctactgcatt	60
caagaccctc	aacgtctntc	ttacaaaatc	acattcactc	cttccaatct	tccgtcccct	120
cctcacacat	cgcacaatgg	cttcagctgc	tgctaaacgt	ctcaccggca	agactatcct	180
tgtaaccggg	gcctcctccg	gcatcgggcg	ttccactgct	ctcgagtgtg	ccaggaccgc	240
acccaagaat	gacctacgtc	tcgttcttac	tgcgcgccgt	gttgactctc	tcaaagagct	300
agccgagcaa	atcaaaaagc	gaggtcgggg	aatggcgctc	aaggttcttc	ccttcaaagc	360
tggatgtcaa	caactctgcc	gaagtgaan	agcattggaa	aaaacttggc	cgaagaggng	420
ggangaacat	tggatgttct	ttttaacaat	gcaggccttg	tcaagggcgt	ggcttcggct	480
ccaaaaattg	ntgnggaggt					500

<210> 1425

<211> 262

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(262)

<223> n = A,T,C or G

<400> 1425
cctccgcgtg cggttacaca ntcaagatga ttcaattaaa gacaatgctt aactgcatcg 60
acaactnggg cgctgccctt gttgaatgcg tcttggtcgt tggccaaaag cgacatgccc 120
gaatcgggtga ccgtntcgtt gtcgncgtnc aggacagcgt ggtagctcct tccgngggtgta 180
tggctggtnnt tttctgnccn caacaagtca ancgaggtga catttttcac cccgtcntng 240
tccgaaccct gatnccntac aa 262

<210> 1426
<211> 632
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 1426
ctccgcacgt tccctagcga tcttctccgc ggttttagac agaataccgc gcgtcttcca 60
gaggtcatat ctctgagcg cataaaggcc tttttcgcag accttggtgct cggtagccga 120
accctttaaa accctcgaaa aaaaaaaca tccagattcg agagcggggc attttttctt 180
gcacccctcc aacaaccaca tatcgcccat catggcacc cttttcgacc accttcgga 240
ggccgacctt gacgatgacg agttcaacga tgatgatatt gatattctcg acctgcgaga 300
gagattcgag gtttccctag accaaggcta tgacaacttt gtctgcatcg acggccttcc 360
ccaggtcact gaggaccaag aagcctaagc tgggtcaagtt cttggtgaag aagctcaaca 420
cagtcggcaa gacacgcgag gactccgtac acatgccccat gggcgacgat ggaaagtctc 480
ttcgattcgc ctttgtcgag tactcctcaa ccgccgaggc tgccgcgct actcgccagc 540
tcgacctcac tcctctcgac aagaagcaca ctctccgcgt caacaaagtt cancgatatc 600
gaacgctacg gacgagaagg nccgcattga cg 632

<210> 1427
<211> 554
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 1427
cccaggttca ccatgtgcga gttctacagc gcatatacca acttgaaga cctgatcaag 60
gagactgagg agattttgtg cggccttgct cagcactctc aagatcttat ctccactgag 120
ctgacagccc ttcctcccat tgacatgtct cgctttgtcc gccccttcaa acgagttgag 180
tttgttccgg cactccagga agctcttggg actgcgtctg cctaagctct catcaccaca 240
tgctttacca gaagtgtctg ccatcttgaa gctcgtaac atccangtcc ctggtgaagt 300
gcctacatca ttggccaagc tgcttgatcg tttggctgcc atctattgga accatgttct 360
tcacggagcc gtcttattat gaaccacctg cttgcatgtn aactggcaa aaactcctat 420
gccccgagan ttccactctc tctgtcanca aactttctcg gtggtgcaat ttggcactnt 480
ttaaaaagaa anaaccaaac ccnagggcat tgttgaaatc aaatcnctca caggagaagc 540
gcttggttga ctcc 554

<210> 1428
<211> 587
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(587)

<223> n = A,T,C or G

<400> 1428

ccagggtatt	gtagggggca	naatccaaga	ttcgcgaacc	cctcgatcat	ttttaacact	60
tcacccccta	aactcacaaa	ccgcttcttg	gcttttccat	actagctgng	ggtttcgact	120
aaatagccat	ggcgcaacga	ttcggcgctt	cgtcgcttca	tcagcgtgac	tcgcgtagcg	180
ctctcttcga	gggatacaat	ggcgacgcag	cctcgcgacg	acctgtcagc	gcaagcccca	240
accgaggata	tggctacggc	ggatacggcg	ccccctctcc	ctctcctnta	ggacagggtg	300
gtttcnacag	ttcacggccc	gcttnatttc	notctgcgac	accgaacaag	aggggccaat	360
atagcgatgc	agttctcaac	gagcttgaga	gtcanaacga	tgcgcgagtg	gaggggtattc	420
tgggcaaggt	caaggttctc	aaggatatga	ctgtcgccat	cggagacgag	attcgcgagt	480
cctcagcggt	ggcggaanaa	atgaacgata	ctttcgactc	gactcgcttg	cgtctcaggg	540
gcactatgaa	ccgatgctt	gtcatggctc	aaccactggt	tgnggga		587

<210> 1429

<211> 586

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 1429

cacccccaac	tactgagag	atgttgacga	ggggtttgat	gactcttttg	ggtgcagatg	60
ggtatggact	ttccactctt	ccctagcagc	aatggatgg	gtcaaagacc	aatgactatc	120
agccgctatt	tggcgagatt	cccagtgcca	atatgggctt	ctcccaaac	tctcaggacc	180
tttccaaatg	gactgggtcta	ccgtttgatt	tctcgcaaaa	ctttgactag	gaagtgcgatg	240
gtttgccgag	atattacaat	aacgagtaaa	gggggactta	ctcaaattgt	ataatgtccc	300
ctaaaaattg	ccaaacaaat	tttggtttga	tgagatatga	agctttttatt	tataggccac	360
ccagtgcggg	gataaggtct	ttttnatgg	attgcagacg	tttgcttgct	cattgggaga	420
tcgctttctc	cttgagaatc	acgaagaaga	ttaggccttt	taaggctgtt	gttttgtttt	480
atcttccacg	tggaaggag	gaatnatngc	cctcgaattg	ggtatctggg	aagcgccaca	540
ttgtcatnat	tcattntccc	accacaactt	cagaaccgca	agttcg		586

<210> 1430

<211> 389

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(389)

<223> n = A,T,C or G

<400> 1430

ngcctagaac	naantccctt	gaagagcttg	ctaataccgt	agggatacta	aaatatgntt	60
nttttttnact	atnccccccc	tgctactcnc	acgcngacta	ggtaaagctc	ataattatat	120
gtggggcggc	tgcttttatan	taagctagcc	cgagcccctc	cggggctaca	ccnaacaatt	180
agtaattttta	gataaaatat	gaatttaact	ttagggcttt	ttttaanagg	aatcttaggg	240
tttgtttttta	atngaaaaaa	tataatatta	aggcttattt	ttattgaaan	aatgcttttt	300
atctattaca	ttcttaatat	ttgggaangt	cttggccaaa	ntccatgaaa	ttaatagggc	360
aaacgggtgg	ncattttacat	taattggtg				389

<210> 1431

<211> 586

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 1431
 ctccagccgc tcaacagtga ctttttctga gctccatcca gccaaagtgc agttatcaac 60
 tcgacaacgt cctgatccct caattgatcc agcggcaatt ccataaccac gatgttgtct 120
 cgagctctcc gactccccag ggctgtgcct atgcgcacca agctcgccgc tcccgttat 180
 accgctgttc gctccgtcac caccgacgct gcctctgcgt ccctgagcca ctccagtcgcc 240
 aagtcggatg acgagccttt ctccgtcaac ctcagcgatg agagcttcga gacttacgag 300
 ctggaccccc ctnccttacac cctggagggtg accaagaagg agttgaaggga tatgtaccgc 360
 gagatggttg tcacccgtca gatggagatg gcggnccgatc gtctgtncaa ggagaagaag 420
 atcgtggttc tggcatctgt ctaccgacag gaggctgttg ccgtgggtatt gagcatgcca 480
 tactaagagg acacatattc cgctacgtgc acggtacctt ttccgngngc ttgtccaaca 540
 tatgggaact gtngccacta nggtttttatc gnaggngggtc atgccca 586

<210> 1432
 <211> 308
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 1432
 aacaactacc taccacaacca ccaaacaatc ttcacaatgg ctggcgactg tggctgctct 60
 ggtgcctctt cttgcaactg cggctctagc tgctcttgct ctggctgcgg caaataaaca 120
 acttggtcct ttgatcaatc gaataccaca tctattccag gccagactg ggggtcaaga 180
 tacatntttt tgacgacaaa tcancggacg gagtnatgaa nggcggagtt ganatcatga 240
 tgtgattggg atatgcggtt ggatagctac aatttaagct caaatactat ccttggttga 300
 ctggttgag 308

<210> 1433
 <211> 499
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 1433
 nccaggcagc ggcagctgct gctgctcaaa acggagggtcc cgacccccag ggacctgatg 60
 gcactcctac ctcactcctac cccggctcac ggctgttca gctgcctccc atcggtacc 120
 agcctgctca gtaccgcct ccaccatcgg cggttcctca acagccactt cccgattaca 180
 acaacagcca tatgtactcc aattaccagc ctcactcgcc ctatgcgcaa cctaccaggg 240
 catttcttac caatcaaacy cgcaaccccc aagccactaa gtgggggatg gtcaaccaag 300
 gatcaagttc tagaagaaga aantcattaa aatcaggatg gaaaaagaat acccgctgtt 360
 ctatatttga actgcctggg tgtctttgat cttttgcac natgcanact tgacctgtc 420
 ttngacaacc cgtngatttn ggatnatgga actcccatgc gaatccttga ttcggttatt 480
 actctctatt tcaaaatgg 499

<210> 1434
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 1434
 gccgccaagc aacaccaaac cgtgtcacaa ctgccgtcgc cgacgcctgc gctgcgaccg 60
 ntcattggccg acatgccaca aatgtgcggg ctccggggcag gaatgcctcg ggtatggcaa 120
 ggttttcgtc tggacgcaag gtattgactc tcacggcaat gtcaatccgc ctccggggccg 180
 gaggtacccc gacgacactg attcttcgcg ctctgcctcg cccccgggac attatcatca 240
 actgggtcaa ggtcaacatc acgatcgccc gagaccccag cctcaacctg actatagcga 300
 ccagcaccca ctggcgcgct tgggtccaaca agcacaacag gctgcccagg aggcagagga 360
 gttgaagcga catcagcaac agccgacccc acgcaatgac gaatctgcat cctcgagcga 420
 tggcaatatg ccttggcctt ctccggctga cttacagatc cgttgttcca ggatcttgac 480
 cgcacatngg gattctacct agcgcatttc tccgaaagcg tttgnaanga tctcgtggtc 540
 ccaaaaacac ctgaaaagtaa tncattccgg gagctgatcc ccttgacacg gaacnccccg 600
 tttttttttt 609

<210> 1435
 <211> 972
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(972)
 <223> n = A,T,C or G

<400> 1435
 gaataccggc gctgcccagc ctaggctcat tgaacctctg cctccgaccc gcatcgaagt 60
 ccgtaactcc caacttecta cccatcgctc agacggccaa cctttcccag cgcgagaaga 120
 agcgcaaggc aaagcaagac ccataatgat gggctcaagc acagcaacga aaggccgcca 180
 atgtgcaacg acgtgaagag ctatctcgtg aganagacga gtccctggggg gatgctgtcc 240
 taggaaagaa gaccccgttc atcgaatctn ttgcgacagc tggcgtgcga natactgagg 300
 gccagtctgt gacagataat ggaatccgca actattttct ttcggatacc gaggtcgagg 360
 cagccacca gcatgcctac caactaccga gcccatgatt gggctgtgag tccanataga 420
 cctgaaccan gaggatgcga tgaagcggca cattgagaac cacgagaagg ttatcgaagc 480
 tttaagccga attacgtcgc ttgagaacgg gagcttaaag gaccgcttcc acgccaacgt 540
 gcagcgcac attaacgagt ttggtcgtca ccgcaccgac tccatcttta tgcccaacaa 600
 gccccccaaa actatgctcg gggaggaaat gcctggacga cttggtcctg atactggcag 660
 ctctgagggtc cagattgcc a tcttgacagc caaaatccat aacctctcaa atgccctaca 720
 aatcaaccga ggttataagg acaaacacaa caagcgtaac ctaagattac tgttgcacgc 780
 ccgacagaag ctcatgaaat acatggatcg taaggagaga ggaagtcagc gatgggctca 840
 catgggttag acgctaggcc ttacacctgc aacctggaag gatcagatct cgttgaaga 900
 agangcggga gctgttggtg tagaataact tggttctntt tatgtacaat acaagccacc 960
 tggaaggatg ag 972

<210> 1436
 <211> 328
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 1436
 nacaaccatt aacncatcan caacaactnt ctatgatgata tcnatcataa anaatggctc 60

gcactnaaca	aaccgaccgg	aagtcactgg	tggttaaggcc	cctangcang	cagatcgctt	120
ntaaggggtga	ccatangtcc	cgcccntttt	cttggggggag	tgaagaacnt	caagcgatnc	180
aatccgnccc	ggtactatca	gt nagattcn	aagaatacna	gaaatccact	tgagcntctt	240
attccaaaagc	tacccttnna	atgttcagta	cgtnagaatg	ccaagaactt	aaanttngat	300
ttccnattca	ggctntgcna	tgagggat				328

<210> 1437

<211> 588

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1) ... (588)

<223> n = A,T,C or G

<400> 1437

attaaagcca	accggttccc	tcaaagtttc	gattttttcaa	accctacatc	ttcaattcgc	60
ctgttgtcct	cttctccttt	gacttctcgt	ttatcttttc	tcgccttcac	ttcacttcac	120
ttcaacactt	cacttcaaca	cttcacacca	tattcaacat	ggttgcccca	tcgaacaccg	180
gcctcgancg	cgangatcac	cagcgcgatg	ccgacttcaa	cagggccatg	cacggcacct	240
cancccaagc	ccgaagtggg	gtcgtcgcca	tggtccgcaa	gggcggtgct	gctaacaagc	300
tgctgttgat	gaatacttca	agcattggga	caacaagccc	gcagaaaacg	aaactcctga	360
anaacgaact	gcccgtcaag	ctgaatncgc	tactctgacc	gacactacta	caancttgct	420
accgatctct	acaaatacga	tnggggccatc	ctccacttct	gcgatctccc	cangngaacc	480
ctttaccaag	ccattgcccg	ccatgacact	accttgccac	ccaaatggtn	tccaagaang	540
cataagttcc	tgannttggg	tgcggttggt	gggtcccccc	ntaaattc		588

<210> 1438

<211> 473

<212> DNA

<213> Fusarium venenatum

<400> 1438

gcgacaacag	gcagcagcag	cagcagcagc	agcaacgcgc	atatcgcttg	ccaccaccca	60
atacgcccg	atcttctatt	cttctgagct	gctttcccaa	ccataactct	ctttcgatca	120
tgagatagct	agcacctttg	cattctgact	gactactccc	cccgtcgccc	aagatgtcag	180
tcaatccagc	gccgtcgctg	cagcttgagc	agtacctcga	gaagctgccc	ggcacaacct	240
ttagaaaagct	ctatcagcag	ccctctactg	cttttgctat	cttccgtcgc	atgctgccac	300
accttgcaaa	gacctttgtg	atgcgaatcc	tctactcccc	gaaaccaatt	ctcctcagcg	360
acctcgatga	ctgggtaaaa	ccagtgccaa	acgccaaaaa	gatcaagctc	tctccatcct	420
gcgcgttcta	cacatcgtag	aaatctcgac	accctccaag	gaacgaccca	gga	473

<210> 1439

<211> 634

<212> DNA

<213> Fusarium venenatum

<400> 1439

aaaatggaat	tcctggaaaa	gaatcaggca	tggaagagag	ctgattttga	tactgtattg	60
caatatttgc	gaacagtttt	gttgagacat	ggcgcttctc	tcactctatac	ctcacaaaat	120
gcgcctctc	agctaccgtc	tcttattcat	tccactcttg	gaatcacatc	tctcctgaag	180
cgtcacccac	taaagcataa	cgttatcgac	cgcgacaaga	ttgtgggttc	caccaactgg	240
gactcatggg	gcaagattcg	tggtcttggc	ggaacatttg	acgccgagca	ggtctctaata	300
tcattggtccg	aagatatcag	cactccccgc	gagtctatgc	gcttcaatga	tgatgaccaa	360
ggtgaggtgg	atgaagcaga	gttgaggagg	cggcaacaga	aaagtgcgat	cgcgcggttac	420
gaaggatggg	gccgtgaccc	taacagcggc	ggcttgccgg	ttgtcgaaaa	tgccatgcat	480
ggcgagaagt	ggatcgccgt	ggagagtga	gatactcaag	acttctcgag	aagcagctca	540
agatcctcga	agcattcaaa	gccaagcagc	cagagaaggg	ttccgataac	gccatcgccc	600
gcagcacgcg	tcattattgat	tatagcaatg	acaa			634

<210> 1440
 <211> 582
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

```
<400> 1440
cttcaatcaa ttaatccaca tcccactcat cttagacca gtcacagcga cgacccgccc      60
gacgaccgga aagagaccaa ccatacagca attgcgccat cccacgttac ctactactat      120
cctactactg catatagtac ccagtgttac cttgtctctt accttgaatg tcaatattct      180
ttagatccct ccttttcttt ctactcacta tcacctggc tatctttctg tcgccctcat      240
tcatcccccg tctccgcaa atatcttccc atcttctcat cctcaatcga ccgctcgcaa      300
ctatggccgc cccgtcttac gcctcagagc tcaagatcgc tgagctcgcc gttcagcgcg      360
ccaccatcct caccaagcgt gtcttccacg agaaggccaa gggcaccgtt gacaagaacg      420
acaagaccct gtcactattg gtgactttgg cgcccaggct ctcatatttg ctgccctccg      480
tcacaacttc cccgaagacg ctatcgtcgc tgaagaagaa gctgctcact caaggaggat      540
gcgaacctca aacagactat ctnggactcg tcagctctac ca                               582
```

<210> 1441
 <211> 332
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(332)
 <223> n = A,T,C or G

```
<400> 1441
tcaacacaaa caaaaccaac ctttaacaac cactaccctt tccaaaaaca accatcatca      60
tgtctggctg tggatgcgct tcttctggct cttgcggtct cggtctctggc tgcacctgtg      120
acggctgccc tcacaaataa gctatttctt caacgacttt gacgggaacc ctgatggatg      180
aaatganaca tggggaagct ggatgtcttt cagggtctga cgattcgggg aagattgatc      240
agcaatggat ccactcgtaa cttcttggcc gtatctttat ttgagtatag tcagaattaa      300
atgaagacac aaattgcagt ctctanataa aa                               332
```

<210> 1442
 <211> 531
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

```
<400> 1442
ctcgagccac tccgactggg tccattgaca agccattgtc gacccccgac tatcgtcaat      60
accgatcctt tcgcttttctg tcccgctcgc cttttttttg cgactctatt cccaatggct      120
tcgaccggag tgaacgttct gcggtgggtcc gccctcggcc tgggtatctt ttacggcttc      180
accaccagc gagcgattac tgcttctcaa agggctgagc acgcgcagca cgagtacgag      240
aagaaggaga agcttatcca gcaggccaag gccgagttcg ccaagaagaa gagccttcaa      300
ctggtgatga tgttattacc gatccttcag accccaagtt cgatcttgag aagctgctgt      360
ngaaggcca naaggagagc ccttagatat gtaataatgg cgcggggcaa cacnantatg      420
acnagggaga gaattgaacg ataggaggtt ttggcgaaaa ggtnaccgct agggaaacag      480
```

gtcntgctgg ggcaataatc cgaacctcga accagaccga tttntgattg a

531

<210> 1443
<211> 645
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 1443
ctgcaggatc gggttggttg ctacctaggc attctcggca aggacacagt cgatcttaca 60
gatgtgcatg ctatcatgct tttggaggag gaagatgtca agctgcttgg caaggtccag 120
gaggtcttgt cctctgcaga gatcaagatg aacatgctga gtggacagga agccaatatg 180
gacatggatg gttacagtgg ctatgctgcg aagttaacttc gaatcactgc catgatgctg 240
gacaaggcag cggctctggcc agtgacacgt ctcaaggctc gatgcctgga ggcacacgca 300
aacttcatgc gaactcgtgc tgagagatcg attattcctc agcatgactc acgactgtaa 360
tcatcgatac gtttggggtg ataactcttac gacattcttg gcttcatgtc ccgagaagta 420
tttacgaaga gcaagcgta tgcccagagat acatacaggg ttcgaggatg ttctttcttt 480
cgcgtcacat aacggcactg gcttgacgca ccatgggaat tcttatgaac gtcttacaca 540
aaagtgcacc cttttttgcg aaatactggg tttttcttnt ttggggcatg aatacagtaa 600
ccccgatgtg tgtatgttta acgtcngggc cgtaaccggg tgntt 645

<210> 1444
<211> 567
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 1444
gccgcaggaa tttttttttt ttttttttga tgcacaaag tcccaaagga catgtttata 60
tcgtctcacg tagacgtaaa cagacgagag gccaaagtaga caaagtacca atgatctaac 120
gattgatggc agatgtcaca ttcagagtga gtgaatatcg gaaagccggc agagtgccgg 180
tcggtctctc aggccgtggc tcgactaaaa gagtgcagct gatgcagcaa tggcaacaga 240
aaatacaagc cccatgtgag atcgctgagg gttccgagaa gcttgcttcc gttccttctg 300
gtggtgccgg tgctgccgct ggtggtgccg ccgccgctgg tggtgccgcc gaggaggcca 360
aggaggagga gaaggaagag gagaaggagg agtcccagacc gaggatatgg gcttcgggtc 420
cttcgactaa gcgatctcta cccagagatt tgcaaagtaa cgatacctca cgaatttcga 480
agatgccacg cacgggttgt tcaccagttc ttacatgtct tttgcgtgga tggattggcc 540
cgctcatggc tggattgggt ctctntt 567

<210> 1445
<211> 406
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 1445
cccacaatca tcatacctga gcttgctgag ctgggtgtct acgccaatc cgtcaaacca 60
gtcgacaact catggtacga ggagggcact ctctccaatg ggcctcacca ccacctcatc 120

aacgtctccg	agtcaggcct	cgcggaagcat	ctccccgagc	atacatcagc	cgtctccaga	180
cataatgcc	agcatctcat	gcgtgtcttc	cccaaaggtc	tcgtatttna	tccaccaatc	240
tgaagcccg	tctttattgg	ggaatcggcg	ctcanatntg	tgctttnaac	ttgcagaaat	300
ttnggagcta	gcaaccaatt	taacgaggtt	ttttttaggg	nacggatggt	tacnttttaa	360
ngcccgtttt	tttcgngccg	gggaaacgga	aagttganca	caggcc		406

<210> 1446
 <211> 630
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 1446						
ngggnggata	cccaattggt	ttggtttctt	cctcgggtca	agtacgctta	tagacctgat	60
ggcctgaaca	agagggccag	actacgcgtc	aagaagaaca	gtaccaccgt	cccgggtgtcc	120
aaaagatacg	caacacgaag	tactatagac	tatccatcaa	gactaaccga	gacaaatcta	180
gacctcaacc	tccctctaaa	taccaacctt	cccagtagca	ccaaccttcc	cactaccaac	240
cacctcccaa	attccaaact	tctcacactc	acgtagagat	cgacacccaa	cgtcatccct	300
actactccac	ccccattgat	ctcgtctgaac	gtgaataaccg	ccagcggttac	cgccctgccc	360
aagctttttc	cacaagaaga	cccttcttcc	cactctcatc	ctcactacca	acctcaagac	420
aacttcaaag	ccaacaacta	caccgttgaa	ggncgaccgc	ctoccaattt	caatcctctg	480
agaagactga	aatcaacaag	tttactgntg	acgaacactn	ctctcgcttc	aagtacaacc	540
acaccgggaa	gaccgaattc	nacaactaca	ctggtgaaag	ccgattttcc	gtntctcaata	600
caacacctgt	gagaagactg	ggatcaacat				630

<210> 1447
 <211> 337
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(337)
 <223> n = A,T,C or G

<400> 1447						
tacaatggac	gctgctcaaa	caacaatctc	ctcgctctgtg	agcgctgccg	caaacggtgc	60
gtccacttcc	accacagcca	ccaacaagcc	caaggtgagc	ctcaccgctc	gaccacaatt	120
gtttctcaatt	gccatattaa	cacttcctct	caaaagccct	gctgtgtgtg	caaggacnaa	180
aaggccaagc	gcgatgagtg	catgctcttc	tccaacgcaa	aagaccctgc	cgccgactgc	240
aagtctatga	tcgaccagta	ccgatcctgc	atgtcgggct	ttggattcca	ggttttaaca	300
aggcaaaaaa	ggcgacgact	gtcggattgg	aaaacc			337

<210> 1448
 <211> 896
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(896)
 <223> n = A,T,C or G

<400> 1448						
catccattcg	ctottacact	gcctcttaca	ctcgttgtat	ctcgcctttt	taaacaaaaa	60
acataaacia	cacattcaaa	atgaagtact	ccgtcgcttt	cggtgctctc	gccgctgttg	120

ccgctcaggc	tcagtctctt	gccgacgttc	ccaagtgcgc	cattccttgc	ctcgacaagg	180
ctatcgccag	cgagaccgac	tgtgacaaga	ccgacctcgc	ctgtgtctgc	aaggacttca	240
gcgctgtccg	atctgtcgct	acctottgtg	tcattgacga	gtgtggtacc	gacgttgcca	300
tcaacgaggt	tctccccgct	accgaggggtc	tctgcaagaa	ccctcccaag	gagtctgagg	360
acaagtccac	cgctgccgag	gagaagccta	ccactgctga	ggagaagcct	accaccacca	420
tggtcgttgt	cagcaccagc	gttgaggtcg	ttgagactac	caccgccgcc	gccgaggaga	480
accaccacc	actgtcgctc	ctattgttcc	taccaccgct	gctgagganc	ccgttgccag	540
cactcccgt	gctgccaccc	ctaccaagggt	ccctgagcag	gccaacggcg	ctgctggcct	600
cactggctctc	ggtgccatcg	ccatggctgc	tttcgctgcc	cttgctctgt	aaaggagttt	660
aggaaccagc	ttgtcagtta	tgaaaacctg	attcctcaag	tagtcaaact	ggacagtcaa	720
tgtacatctg	gtgagacgaa	cggggtaaga	ggcattgttt	ttttttttaa	attgaaagga	780
cgatattgat	tatgtgtatg	agaattggaa	acgctatcag	gattcgattc	acnggttaat	840
aagtaatggn	cttcgaccac	aatgaatata	agcgaatata	ccagtgangc	cttttt	896

<210> 1449

<211> 591

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 1449

cgactcggac	gcctatcaaa	caaacctgtg	gattggcccg	agatcaatgc	ggctnngggg	60
catgctttgc	tattactggg	aacggtcgcg	gacaagttgg	catacagggt	tgatggctat	120
gaccacagc	ccatgggcag	cacgtccagg	attgttcgat	atgaagttcc	gagcccttca	180
tcgancagac	ttggcagtcg	tactgctagt	atacctccta	aaacgcata	ccttgagttg	240
tacagctccg	gggacatgcc	ccttgggctt	acttttatgc	atcgacgttt	tgacaatgcc	300
atggtgggct	tcctggagct	tgtgcgacag	ctgggtgcgt	ttgtgcatag	gcaaactgac	360
gctactggca	cgccgnttag	tttgccatac	aagatcgatg	gtgacaaaat	aggggacgtg	420
agcatcaaac	tcggcatcnc	tcaagatgat	ggttggaacta	aggcgtgcaa	gctgacgttg	480
acatgctgta	aagtttctgc	ttgctcacnc	cagtaatgtg	acgtccaacg	cacgaaatgg	540
gggcagtc	tacaggggat	agaanganaa	aaanaaaagg	tttcctccct	g	591

<210> 1450

<211> 432

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(432)

<223> n = A,T,C or G

<400> 1450

ntttgntgtg	tngngnctgg	ttacgtcggg	ggccctactg	ttgttgnctg	tgttttccaa	60
aacctnaaaa	tccaggttac	tgtcgttgac	cganacgtca	cccgtatccg	acgctggaac	120
tcccgtcacc	ctcctatcta	cgagcctggg	ctgcatgata	tcgtccgaat	cgcccgtgat	180
ggnggccgac	ctggcaagat	cttcggcgag	cctaccaccg	acagcgaggg	ctccttcgct	240
gaggagggcg	agatcaccat	caatgagcgc	aagcccaacc	tattcttctc	taccgatgtt	300
gccaagcaca	tcagcgaggc	cgatgtcgtc	cttggttgccg	tcaacacacc	caccaagtac	360
cgtgggtgtg	gtgccggtag	tgccactgac	atgaccgctt	tcgaaggccg	cactggtgtc	420
gntgctcaat	ac					432

<210> 1451

<211> 656

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(656)
 <223> n = A,T,C or G

<400> 1451
 ctcatTTcTTt ctttttcatgt cttctttttat tttcatcaac acgctcgcgc atcttaatac 60
 aaacctcTTt ttcgtacaat cttgggtcgc gctcatctga ttcatttttc gagaattttt 120
 cctgtcattg tttctcattc aattcctcTTt tattttctcca gtctttttgca tcatggcgcg 180
 caciaaggaa gatgtcgcgt ccaaaggcga ctcacgcgca aagattccca aatcctcagc 240
 tgggtgtgacc aagaacaccg ctgaaactcc tgtcaagcgc ggccgtggaa gaccaccaa 300
 gggcgctgcg cccatgccta agaaggTTta cgtccctact ggctgcctc gcggacgtcc 360
 tccaagtggT ggcaaagaag aaagctgccc aacacctaaag aaagtcgcgg ccgtaaacga 420
 tgatggtact cccaagagag gacgcggacg acctgcgcgg gctgccgctg ctgaagatga 480
 agaatccgct gcacaatgcc caaggaaacc aagaagcgcg gaagaaagcc caagaatgct 540
 aacccaactg atgcttcggc cgacaggata aggacnana tgctgccnac aacctagnnc 600
 aanaggttcc tccccatcnc cgaaaggcag gcaatggaaa gggtncanac aaggna 656

<210> 1452
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 1452
 tgagttacca aagccaacat gggggagccc aaatgccccg ccaatcgTTg gagccgtgca 60
 tcgacgtcca agggaaatca atgaatctcc tcctccagaa cccacacctc cgccgcaggc 120
 tatgacagct gtcccgtat ccgacgctgg cactgatgct ggtaggcgcg cgtccatgct 180
 gtcagtccca ggtgctatgc ccggagacca ctctgctcga catccttcga tgccctatcc 240
 tggggggccca tcgccttcgc ctattccata caacgctcat atgacgcctc attttcagcc 300
 agttacgcca ggaaccagc ctccacaggt tcatcagact ccagttccaa ttccacatcc 360
 acctcacctt ggtcctcagc cccaagtgtc tgtacgtcct gtgcaatacc agcaccagcc 420
 tcaacatcaa cagananggt atgcacaaag cttcgctcct aattatgggc agccagtgcc 480
 tcccatgcac caacaaaccc cgatnggaaa acacattacc caacttacia ncaancgcct 540
 gctcctcctg ttgtgcgTTa ccctatggct ccacgccccg gatgcc 586

<210> 1453
 <211> 618
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 1453
 aagttggatt aatacactcg ctactttaat acttccacca aaaaacaaca accgtcacaa 60
 tgggtttcgt caagactgcc gctttcgcta ccgcccttct cggcgctgcc aacgcttctc 120
 ctcaactatgc tctccttcc aacgagacca tccactacac caccgaggtc gtcactcacc 180
 tgaccacctc ctgccctgct gccaccaccc tcacctacgg cgacaagacc tacactgtca 240
 ccaaggccac caccctcacc attgaggact gctccttgac catcaccaag cccgttgcta 300
 ccgctactgg ctatgctccc cccaagccca ctcacgcca ggactgcgct gagatgtgct 360
 ccgacaagtt cgatgagtgc cgcgttgctc ccggtgctaa catggctcaa tgcgctgctg 420
 agtacgctgc ttgctcggc tacaaccctt gggagagcgg caagttcgtc gagccactg 480

cttgccacga	nggtgtcaag	cctactgggc	ctgctacacc	aaccgagggt	gtcaccaagc	540
tgaccaccta	ctgcccgaga	agacactctt	aactacggga	acagaacatt	cccgttacca	600
agccgggacc	gncactgt					618

<210> 1454
 <211> 484
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 1454						
ctgggaaatc	aaaaacgtcg	cgagaagaaa	taaccgcatt	ttttggaatc	atTTTTTTaca	60
ggcgtacaac	atgggtcacc	ataaccttcg	ttttgatgac	gacctcatt	cgctgagtgg	120
cgcttggagt	cccccaacaa	gcagagccaa	tttttgcgaa	gaagactatg	ctatcacatt	180
ctatcttgcg	gaatttatca	atgcgttgac	aaacgttacc	tacgtatact	tggccctgcg	240
atccatgtat	ggctcgcgca	ccgtggactg	tttgctcaaa	ctgggacttt	atgtcttttc	300
cctatggtct	cggcacgagg	tctttttttt	tncacgccac	acttcccaaa	cgctcgagtt	360
ggtganganc	tgccatgatg	ctgtgtctgg	ccatgcttcg	agctntttta	ttttgngaca	420
gnccccaaaa	cgtcgttcat	ntaatatttg	gggggggtctt	catctctgtct	aagattcacg	480
catg						484

<210> 1455
 <211> 409
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 1455						
ctcccaaat	caccgcctcc	tccatattgcg	cctcaagaca	cgggccctgg	agttggagca	60
aaccacccag	catcaagcaa	tcatatgatg	taccagccat	ctcctattgg	cgcttaccct	120
cctcaacccc	aatatcctac	acagccatcc	tacgctccgg	cagcaagtcc	tcctctacag	180
ggtctccagc	ctccagcact	tcctccacna	ccttcgtctt	cgcaaggatt	cgcaccatca	240
tctggattcg	gttctggccc	aactggctac	aatccatcca	actatccact	accacctcag	300
acttattttct	ctcctcctcc	tccagctttg	ccagcacgtc	ctggtccttg	aaagttggct	360
ggcgggaagaa	gaaaaanatt	tggcagcagc	tccgcggata	agtggctga		409

<210> 1456
 <211> 716
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(716)
 <223> n = A,T,C or G

<400> 1456						
caccacccct	gctctgctga	ccttcctcga	gggcttcggt	aagganacc	acactctatt	60
ctggcgccag	gtccttgact	ccattggtgg	cgtcaagtcc	gtccttggcg	aggacnaatc	120
catcaagaag	gcccttgaca	acttcaccct	gaagctcatt	gatgaaaagg	tcaaggaggt	180
tggatgggag	ttccccgagg	gtgaggacta	cctcactggc	atcctccgaa	aggagattat	240
cggcgttgct	gttgcagcgc	gccaccctgc	tgttactgag	gaggccctga	agcgtttcaa	300

tgcttgggtt	gaggacctg	aggctaacc	cattcccgt	cctctccgtg	ttgctgtctg	360
gcgcgtgcc	attatcaagg	agcctacccg	cactgttgaa	atcctcaaga	aggaatggct	420
caacaccaag	tctatcgatg	gaaagcttct	ctccctcagt	tttctcggca	cgggccagga	480
taccgaaatc	ctccagaagg	atgtcattcc	cttcaacttc	aaccagtctc	ctccgtccaa	540
cgctgtccct	gctggaaaa	atgcacgttc	tgggtggctn	tattgccaac	aacgtcgttg	600
gcccgcctgt	tcaagtggca	attcatgaan	gacaactggg	atgctgntat	taccaactcg	660
gcaancctgt	ngttgtcgac	cgatacataa	accttagttt	gaaccgtttt	acggat	716

<210> 1457

<211> 470

<212> DNA

<213> *Fusarium venenatum*

<400> 1457

ctcctcgccc	gacccgcgca	aagccccgac	acatacccaa	ttggctcaag	atggcgctcg	60
gatatggaat	gaacggcggc	gtcggcgct	gctttccctt	ctggcaggag	gttatgggat	120
gctatgttgt	caacacctct	gccgctgacg	actccggcaa	gaagaagtgc	ggctcgttc	180
tcgaggatta	ctacgagtgc	cttcaccaca	agaaggagca	cgctcgagct	cttgctatgc	240
aagccgccta	cgctcgctcc	gagtcgcta	cagcacgcga	cgatgcgccc	agtgtgaagc	300
aaataaggag	tttgggactt	atcgacaagg	aggaagacac	aaagaaggtc	ctgggacgaa	360
gctagatggg	ggaatgcacg	atgaatgtta	ttcgagcgac	cttatatgct	cgccggcttc	420
tttgtatcga	tcgactgtat	acaaaggaa	ggaattgatt	tgctcaactg		470

<210> 1458

<211> 526

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 1458

taagaagcga	ggtggaactg	ctgctggagt	gcctcggccc	ttgggagaat	ccccctccat	60
caacgggtga	gccaaggaa	aggtatcgga	taatgatgaa	gattgctctg	catgcggtgc	120
tgccggagat	gtcgtttgct	gcgatggatg	cccgcggcca	ttccactttg	aatgcgtggg	180
gaatgatacc	ctcggaccat	cttctgacg	aatggttttg	caacgagtgc	ttgtncaaagc	240
gataccctc	gcgcatgccc	gccttcaagg	gtgtttttgc	tactgctctt	accaacctgg	300
agaanacatc	ctcgcgcctt	cagcctcccc	aagaaattac	agacccgctt	tgaaggcgtc	360
naancagccg	ccgacngtga	ttacnaagaa	gtcattactt	cccagacggc	cagaaaaana	420
atggttntga	agaattgccg	acttttcaan	cacggatgaa	ggcngcagta	ctctccncgg	480
tgtcaaaanc	tgccccaatt	nccctatat	ccgtcatgtc	gccctc		526

<210> 1459

<211> 773

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 1459

gcaggacgtc	tttggttaaca	gacgtttcta	tagatgacga	ggagagcgac	gacagctcct	60
cctcctccgc	ccctgctggt	ggtgccgctn	ccnttgctgc	tcnccnccag	ttcgacgatg	120
aagaagacga	tggagatgtc	ctagattott	gggatgccga	tgactccgag	gccgagcgtg	180
agaaggagct	caaggccacc	gaggccaagc	agaaggctgc	tgctgctgcc	gctgctgcta	240
agaagcccaa	gggtcagcga	attgccgaac	accaagctga	gcgtgctcag	cagaaggctg	300

aagctgagga	atctgatgga	tacgaagaga	ccgagagcga	gaaacgtgag	cgacttcgac	360
gtaccgaaca	ggaggccgac	ctcgcacacg	ctgccgacat	gtttggagat	attggaatta	420
gtgctggccg	cgccaaggct	cgccccgcta	ccgtcgtcac	cgaccccaac	gatcctacca	480
agaacggtga	catctccaag	atgcctctct	tccagccaaa	gaacaaggtc	cagttcgaga	540
ccctccgtac	gaacattgcc	ctctcatcgt	ggccaacgca	aagagcgccc	actactnctg	600
tttctncaag	acttaccaan	gcccttgcca	aggagatgaa	cagcgagcag	atcaagaaac	660
ttgccagtag	catgactgcc	ctgggtaatg	agaagatgag	ggangagaag	nttgttgcaa	720
ggcggcagaa	gtaaagntgc	aagacaagac	ttcctngtaa	ccggcgngct	act	773

<210> 1460

<211> 580

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(580)

<223> n = A,T,C or G

<400> 1460

ggtcaatggg	gctgcggtag	gaggtttgct	cgagccgatg	ccctggggccg	tcacttcaga	60
tcggaagcgg	gccgtatctg	catcaagcct	ttgttggaag	aagagatgat	ggagcgacaa	120
cggctctggc	aagaacaaag	aatgcaaac	aacatggcac	aaagtatggc	ggctgcgtct	180
agtatgccc	tggatggctc	tgtctatccc	atggacccat	cgggttaacc	cccatgctcc	240
cagcagctct	tccttgca	gtaccctgcg	ctggctccag	tttgaattgg	tccacccct	300
gatgtttaat	tcccgcgatn	gaanaataaa	ttcctntgcc	gttcctcct	ttgatccngt	360
gactacaaca	aaaacacaa	gcgatacttt	nnttgccct	gaacagaatt	tgcaaaggcg	420
catggtttca	ggcttcgcga	aaaaganatc	ccattaattc	ngtgccgggt	attcggcncc	480
cccctaaaa	anaaattccc	taccaatnaa	ntttttctctg	cccacttcta	aactttttta	540
aacctntccc	ccacaccgcg	tttctntctt	cttcctnttc			580

<210> 1461

<211> 632

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(632)

<223> n = A,T,C or G

<400> 1461

gaatccattc	gctcgatttt	attctctttc	tctttcttct	tcttttcctc	atgactagtt	60
tcattctcatc	ttatctacct	ttcanaaaat	ccgaaaatac	agcgaatatg	gcgactcctg	120
agaccaacaa	gcagtggacc	accggccagg	atggactcga	taaactccag	tttggaanaag	180
gaaagggtccc	gcagcccaag	gatggagagg	tccttgctca	gatccatgcc	gttggtctga	240
attatcgtga	taccgaagtc	atcaatggcg	attacaacca	ccacgcctct	gtccaagaca	300
ctgaggctct	agtaccctgt	tccgacatgt	gcggactactgt	cattcagagc	tcctctccca	360
agctcaagac	gggcactcgt	gtcatgtcca	tcttcaacca	gacccatctc	accggccaag	420
ttgtcgaagc	cgacatggcc	tccggctctcg	gcttgccctc	ctccgggtgt	ctgacagagt	480
accgctgctt	cttcgcgcgac	agcctcgtca	ccgtncgcga	ttacctttct	gaccaggagg	540
cttggttggtt	gcccacgcga	agccgnaccg	cgtggatgtg	tatcaacngn	atgcgaacat	600
tgggtcaacc	ccgccgacgg	caacaagaag	aa			632

<210> 1462

<211> 416

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

```
<400> 1462
ttcgcccgaa catcttttga caaataaatc agtcataatg gccgtccgac ccatcaccgg      60
tatgctccga cgaaacctcg tcctggatct cagcatcgct ctcggtcccg gcttcgtcat      120
ggccaacttc ttctggtagc gcttccacat gccccgaacc aacgcccgcg acaactacta      180
catcaagctc gaggaggagc gagctgctca gaagaacgag taaagcaaag atatgccgag      240
tcgaagtcgg atggcataag caagggcata ggggaagtgt ggaagtacac atagaggcca      300
ctagccaatg tttcgtttgt cgtgtagctg ggtaaaaagc aaaataccac cacggcttca      360
accacatcga tcgctggcaa tctgtactgt angcaagggc aaccgaatcg tatgtg      416
```

<210> 1463
 <211> 617
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

```
<400> 1463
atctggtcga agtaccgacg cgctttgggg caggatacct gcggaagctc tttcattact      60
ccgaggaatg atgagcattg acgcttcaaa acgattcaac ttcacccaag tacgccaaaca      120
tccctgggat acgagacaca acgctctcct tagtgcggat ggctgagtta cagatcccat      180
caacttggcg acgcagatgt tggagaacct ccgcacgcac tttactcatc agccaacatc      240
gcagccttct tccagcgaca atatggacct cgacactggc ctgaatgctg gaaagtcttc      300
ctccactcaa cctgagacgc ccatcgccga caaggaatgg gattgggaac gcacaccact      360
gaagtccgtg gcttcaccag catcctcatt accgcattct cgtcgagcca tgattgatat      420
ccttgctgat gagccttcaa tgtcgcaatt ctgcgaaact cccggtccct tcatgactct      480
tacgcaacaa gcccgtcgat ttcgtgatat ctggcccca gaatctntca cccggtcttc      540
tctgctgtcc caccagctna tatcggccaa atgctcagtg atgctctcat nancttaaca      600
tttcaagagg ccctggtt                                     617
```

<210> 1464
 <211> 623
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

```
<400> 1464
gcgataggtg ccgctctgcg agaccaacct aatgtcacia ttatgaccgg cgaggctgtc      60
aacgatatcc agtatgatga ggccaagaaa caagtccaga tcaacagttt caacaccag      120
aacgaggaga aaagtaattc acaggcatat gacaagatcg tttcaacgct atccgcccag      180
catatcgccc gactcgacgg cgataaagtg caatcgctct ccgccgcaca ctntgtttct      240
gtcatgacgg ncaacatctg gttccctcag gaaaacctga agcctcctgg tttngggtag      300
ctcatcccag actccggttg accagagctc aatccanaac atgctctngg tgtcttcttt      360
gactcanacg ttggaactcg gtccaaggac aaacctgctg gcaccaagct ctctgtgctg      420
atgggcggcc actactacga ccgtctggcg ttactcccc cactgaggat gaaaccttgt      480
tcaagctcga aacctacttg agcgtoatnt tggatcctc gcgatcccc gctatgccac      540
aaaaaaactt tgnaaangaa tgtntoctca acanaatgtg ggccaccaag accttttgng      600
caacgccacc ttgagcttaa ant                                     623
```

<210> 1465

<211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 1465
 tcgacctcgg aatagactca ttgtccatat ctactctggg atacgaccac gaacgctcga 60
 attttctacc gaatacgcgg ctatcgacct gtgactgatt gttagtattg agtcatcttc 120
 agccgttggt aaatttgtct acacagaccc cgcccatagc tgagccgttt cgggactcga 180
 cgttgaaaca tcaaccgacc atcgattgac taaagacacg gaaaaggagc agttactgct 240
 ttggaaatca attgaaggag gagtcatttg tttcgtttta atacgtcaaa atgtcaaact 300
 tcaacggccg ccgcggcccc aacgtgtcgc agtatctccg tgacctcaac gccgtcaacc 360
 gtcaggagaa tgctcacgat gagcctttcc atatggagga agaactcgcc ctctttacca 420
 aactcaatt ctttgatttt gagactgggc agaacaccga ctaccaggcc catcctgtca 480
 aggtcgacat ggaggcttcc caaagcactt ctctctcnga tggaatgacc cngctcctct 540
 gtcgtgggtg atacgctac tggcactttg atttcttgca gggggantt 589

<210> 1466
 <211> 333
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(333)
 <223> n = A,T,C or G

<400> 1466
 nttctcgggg gtgccgctgg tggcccttgg cangtcaagg tcggcacnga ggtcntctc 60
 tacgtgttcc tcnatnttct taccaaggct gtcctcggcc tctggatcat cacagctact 120
 cgccgaaacc gcnacatcac cctgaaatt ggtggctact gggccacagg tgctgggtgt 180
 ganggtacca tccgtgttgg cnacaacaaa aagggtctta aaccatcgt taaaaatctc 240
 gatcgcnacc gtggggctta tccgcattcg tcactatatc caaatatttc anctccacct 300
 tgaatgggtg ttgcttcaca aaaccaacca acc 333

<210> 1467
 <211> 325
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(325)
 <223> n = A,T,C or G

<400> 1467
 ctctgcaacg gcagcatcaa ggctgtcaac tggaagcgag ttttcctcct cgtcttctct 60
 tggatcatga ccattccctat cgccggtctt atcgggggat gtctcatggc tcttgctctc 120
 aacgccccct acttctaaaa gcatcgcaaa cttatgatac ctatgggggg atttganacc 180
 aaatcgctca ttttattgat tggaattttc aacgcaaagt ggatgaaaag aatagaggag 240
 tggatttgat tgcatanat atcgtgttgg aatctttttt atagnnccct tgtcttacna 300
 ctttaattgat aaaagatncc ctttt 325

<210> 1468
 <211> 344
 <212> DNA

<213> Fusarium venenatum

<400> 1468

cacgagcagt	tcggtatcaa	cccgattcgg	tgcttctggt	gcctacaagg	acgtctacaa	60
gaagttcgag	ttcacccccg	agggatatcg	caagcgtgcg	gttgccaccg	tcgattttctg	120
gaaggatggt	cccaacatcc	gatctcccat	caaccgcgcc	ttccagcaga	tcattctagat	180
ctaaaataat	aacgagtaaa	aagaaacgaa	ggaaaatagt	aaaaataccg	gtacaaaatg	240
aaaccggcca	gaatgattat	gatgatggac	tttggagcaa	ggttttgtgg	atttcgagca	300
acttagacgt	actacgagat	gaaattaaat	cttttagaac	aaag		344

<210> 1469

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 1469

gctgtctgtg	tcattggtga	cgctccttgg	aattttgagg	tttggcgacg	cagcagtatc	60
cggcaccctt	ttggtctcga	gagagccgag	gtccttgcgt	gattcgccat	gtctgttttc	120
cttctctttg	gagggtttga	cttggtgtca	cacacactta	agcatttcct	cgagtctctt	180
ggcaaccatg	aggctcatca	tgaacacggt	catgacagtc	cagatgggtc	tattgacctt	240
gtgtctgctg	ctgctatggt	gagcacccta	gtctcgccat	acggctctcc	aaaccatgct	300
cgtattgcca	aacttctgcg	tgtctcgtac	cttgctgctt	tgccaaagtg	tactgtcaaa	360
ccccttccac	ttcctcacgc	tctcattctc	cgtcgttatt	gctcttcttc	cactcctctc	420
tatctcaatc	tacacgtggc	tcgaccgtct	taattgtgct	ggtatcgctt	tggccatggg	480
tgccttggtg	tgcgntagcc	gtcgcacaag	ggccttatgc	tactcaggtc	tatgggggca	540
gtgatggcaa	caacgcggtc	agtgccgtcc	tcnaaaaant	aaaatnaac		589

<210> 1470

<211> 459

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(459)

<223> n = A,T,C or G

<400> 1470

gcgttctgca	tgatatggaa	ggtgctatga	agatgttcga	ttccgttgct	aaggagtctc	60
tcgtcccat	cagcgccagc	ttgtaccaag	cactcttcga	ggccatgggt	gctaaccatc	120
agggttgctac	ttccgagcct	gtcctcgcgc	acatgcgaag	caaagggtgtg	gagctgactc	180
cttacatcgc	caacacttta	attcacggct	gggcccgtga	gaagaagatc	gaaaagccca	240
gggcatatac	gatgctgttg	gtcgggagaa	ncgtgagcct	agcacatacg	aagctatgac	300
tcgtgcgttc	ctagccgtgg	ancaacgcna	acaggccaag	ggtgttgctn	gtganatctc	360
acccgcngct	acccatgctg	ttgtcacaag	gttcttgaac	ccctggaaga	agtcaccaga	420
aattgctgaa	ttaggcaccn	attgaaattg	aatggtgaa			459

<210> 1471

<211> 430

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(430)

<223> n = A,T,C or G

<400> 1471
caaccatcac cagtcacacg acacattctt ctctanaaat ctttcaaaat ggngcgcata 60
aaagagagat atcttcttgt caacatcggt tatccgccc accctgcaaa ggctgtanaa 120
tcaaatttgc cagtctcggg tcttcatcac cagccaacca tcgaaaagct gactcctggc 180
gcactaatca aggggtatcag agctgaagtc gcgtnattat acggtgacta tggatctgga 240
gcattgataa cctgctctgn gaaatacctt tcggttgcaa cctcaacttt tattctcaaa 300
tgttcaagag ctcaactatca actgctnttg gccacattgc ctttatggat catgttcctg 360
agaaaacgga aatcgtcatn ttttgtgttg ngcgcntagg ggaacaatcc caagctgaag 420
aggagctttc 430

<210> 1472

<211> 256

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(256)

<223> n = A,T,C or G

<400> 1472
naagcgcgag cgcgctgcta aggacaagaa cactgccaaag tcccagctca nggtgaacga 60
aaaggcttgc gacattcagt gccagatctg caaatctacc tttctcaaga ctacaaaggc 120
ccctgctctg aaagagcacg ccgagaacaa gcacggcnag gccatcgccg actgcttccc 180
taccttccaa gagtaaaccg antntgctgg agagccgcct ggacttgaga caacgataac 240
gatattccgg gtttna 256

<210> 1473

<211> 606

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

<400> 1473
tgacgtaca ccggcagaaa taaaaaagtc cttntattcg ctttccaaga cacaccatcc 60
cgacgccaat cgttcagatc caaacgcac atctacgttc tccctaattc ccgagtcata 120
cactgtcttg tctgataagt ctgcgcgctc agcctaagat cgagatgtcc tacgtctgca 180
ccatcatcca ccgcaaacag ccgctcaacg tggttcttac cattcccacc aggctggngg 240
acgcgcacct tcaggcttaa gtgcgaggag aggtaccttt cgcgggccgc cgcctagttt 300
ctaccggagt ggaggctggg gagaccaggc ggacaagcgt cgcaaggcgc atgaanaaag 360
tactggtggg ggcggcgcat cgtcgcaaga acaaggaaca tcacacagtc gtcacagag 420
cccctggggg gaccctttta aaccccacga gacctntnt tatggaggca tgggaccagg 480
cgacnatctt ttgggccc aaacaatgtcc ccnctttgac aaaaaaggta taccccaaca 540
catngacgag angacgacga cntaaaaaaa cgatggcaaa agcgggcat gggtgacaac 600
aatttt 606

<210> 1474

<211> 632

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(632)

<223> n = A,T,C or G

<400> 1474
ggcgggtatc tcaccttcct ccctatataa caattggccg caacattcag cacatcccaa 60
tcgcacgcac aacagctcca tcttttgata atcatgtctg ctcaagatta ctacggcggc 120
ggcggcggcg gctaccccca gcaaccccaa ccttcctacg gccctcccca aggccaatac 180
ggtcctcctc aaggccagta tgggcctcct cagggaacaat acggtcctcc acaaggacaa 240
tactatggcc caccgcaagg ccaagctcct atgcaatata aacaagcacc ccctcagcaa 300
agtgggtgaa agggaggcgg cggcggttgt ctagcaagtt gtctggcagc tctgtgctgc 360
tgctgtgttg ctgaagaang atgtgaatgc tgcattggaat gttgcgaatg tctctgctga 420
gtgtncacaa ccgatcacca tggataccaa ttttacgata ccgttgatag gnnctactct 480
taaagagntt agaccagaa agaaccacac caacgactct tattattgna tttgnaatac 540
ccgcattgaa ccctgncntt tggatcttgg aaatgcttcg atatgaaaat gggntggagt 600
tganaagccc attggttgtg acggcccaat gg 632

<210> 1475

<211> 610

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(610)

<223> n = A,T,C or G

<400> 1475
attgcaatct ccatttcgcg agcgcaccgt tttattttct tcccaacaac ttggtgaaac 60
aacaataaag actgcgacta gtaaaagccg gccacaccat gtcgcaacga cagcaacaaa 120
gcgacaccag gccctcacia acacaaaccg aaactccgac acaaacacca gagacaagcg 180
aacaggctcc tcaaattctg cgacttnggg gtgcacatgc ttccaacgga cgatccgtcc 240
agngggcgga ggatgtaata gacaacgaag gtcttggacg caagagttca aaagtgtgct 300
gtatttatca caaacctaaa gctgtcgatg agtccagcga tgaatcctcc tcagattctg 360
attccgactc ggaatctgat cgtgacggcg cacaaccagc aagtggtaaa cgtcangcct 420
gtgggtcatg acatgggcac aaccacggag gagggcgaaan aagcggaaaa ngcaaaaaa 480
agaaagcgcc aagtncaaat gcatacaaaa aaagtgtccc agccgaaatn caaagatngg 540
tcatnaaaag cccagtnntt aaattaangg gggcgacgat cttcaattng aagggttaag 600
aaagatggcc 610

<210> 1476

<211> 633

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 1476
cgaattcaga tcggactatc aaatcccat caacactctt ttcgctacca aacaaccagc 60
tatcaacatc aaccaccacc accgacatca tgaagtactc cgctgtcgct ctctcgccg 120
ccctcactgc ctacgctcag gccagtccta tcgatattcc tggcgttgac gaggcctctt 180
ccatcattgg cgacatctct tcccagattg aggggtgctt ctccatcatc ggtgatgcct 240
cgtctatcat tgaggatgtc tccaccgag ttgaagacga ggtctcttct cgcctcagcg 300
atgcctccac tgctgtcgcc ggtgctacca ctactctgac cgacgcctct accgtcaccg 360
agtctgctga gaccgagagc gagactggat ctgacaccga gactggatcc cagaccgtcg 420
acaccagcgc tcttgccagc gttacctcag cccttgccga ngcctccgag tctgttcagg 480
acaagctcga ctctctcagc tctgctgccc agactgccac cggcgctgct agctcctcta 540
tcgccgatga gatcgctggc cttacctccc aagctggtgc catcgccaag cagcgctgcc 600
ggtgctgcta acaattgcta ctgatgacaa cgc 633

<210> 1477
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 1477
 ccagaaacaa aagatcctgc ctaatacaat tacctacgca accttgcgca ctttgcagct 60
 cctagattca ctatcacttc tcacaatctt aaagcactgg agccaggatc tagattcatt 120
 gtctctgtac ctggttagcac accatcatca cttgtttcac gctgacgat ccgataaaact 180
 tcacgcctct gcctaagcca agacttgagg catttcacat tcgaacaaaa tatcgtcaat 240
 cgagaacgcc taaaacagac aacgtattta cggaatgagc agcaagactt cgccagcgga 300
 gctcaagacc cgcaaaagac acgactatcg tttcttcctt gagtatcgca cgcgttggaa 360
 cgataatgac atgtntgacc acatgaacaa ttcagtctat aactttttat tcgactccat 420
 catcaacgca tacctcatag acaattgggg tctccatcct ccaacngcat cacagtttgg 480
 catgtgtgtt nncacccaca ccgacttctt ctcatcaatt gcatacctgc cgttgctgan 540
 ctgcattgcy tgtgaacaac ttgggtcgnc agcgtccggt caaaaagcct c 591

<210> 1478
 <211> 691
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(691)
 <223> n = A,T,C or G

<400> 1478
 tccgacacca ctacagcctc gaggattgaa gagcttcgtg atctaacctc cagtttacgg 60
 ggtgctcgaa ttgacaggct ttcaccacag cgaaacccca tcatggcctc agcaccgcaa 120
 ttgatcggcc tcgccaagtc gctgcctgct cctctgcagc gcttcttcgc ccgataccct 180
 cccgccgcca tcttccccga aaacgcccc aagactcggg accaggagga gagaccgaac 240
 cctttccgnt tctacaagca ccccggtgaca ggaaaatggc aggaccctgt gtactcgcat 300
 cgtcgccagg ccgagctggt caaaatgggg cccccacag cgggtgctgag gatctgctgc 360
 ccgacacacg caaggccacc gagtacaagt tggctcatcg ggttgagcat ggtctgagag 420
 tcaagggtac tgggtgtggga canaagggtca agggtcatac tcacgaacga cacatgattg 480
 caaagatgga gacaaggaga aaggcaatgt tggatatgcc cagtctnatc aagcgctgga 540
 agagggtggg caaatacnga tggaccaagt tccccaaata aacaagactt cngatggaat 600
 gactgntttc gtgcnccctg tacatttacc tatgtntttt tatgtaccaa aaatttntac 660
 cacgatnttg gcaaacactt tgttcccant a 691

<210> 1479
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 1479
 tcgctatcca aatgtacgaa caggcggtat catgcgacgg gaccttcgac attgcctga 60
 ctaacctcgc caacgctgta aaggacaggg gacgcattaa cgatgcaatc tcgtattata 120

aacgggcagt	caactcaa	at	cccgacttcg	ccgaggctgt	ttgcggtctc	tctaccgctc	180
tcaattcggt	ttgtgactgg	agaggccgag	gtggggtcat	actcaaaact	gggagatacg		240
atcgatggca	tgttgatggc	gatggtcagc	ttatcgatgc	tcgagctact	gggcatgagg		300
atggcctcgt	aagccgtggt	gtccgcacca	tcaatcgtca	gttgagcgag	gcatcacatt		360
gggggctgg	tatcctcgac	gataaccgta	tcgctacttt	ggcgcaacag	atccaagatc		420
ttggcctggg	cgaaccacac	gaggttcagc	aaggtctgag	aaattggagg	aacaagcgat		480
gggaggggtgc	acgcgtcgtt	cgcttggtag	agcgcgcgac	tcgtgcaact	caatggaagt		540
ggtatcgaga	tcgntacata	tcggctaacc	aagcaccgcn	tcggtacact	cgcattncgtt		600
tgcccaacgg	ncttgca						620

<210> 1480

<211> 620

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 1480

ccatcaccgc	acactttctt	atccacaaca	ctcataatgc	ctggaattcc	tctgcacgcc	60
cttgacaact	tcaaggccaa	gctcaaggcc	gccttcaaga	agaaggacaa	caaggaagaa	120
gccaaacccg	ccgagcagaa	gcctaccgag	accaagcccg	ccgaaaccac	acctaccacc	180
accgagccta	ccaagaccga	ggccgctcct	cccgcgccag	ctactgagcc	tgctcctgcg	240
gccgagcctg	caaaggagac	caagcccag	acagaggtca	agcctgaagc	tcctgaggct	300
actaccgagc	ctgcaaagac	agaggaggct	gctcctgctc	ctcctactga	acccgcaagc	360
ccgaggccgc	tccggcacccg	aacttccgct	cccgtccctg	agcctgcaag	acngaacccg	420
ctccggctgn	tgagctacct	gctgctccgc	cgtcccgact	gcccagctgc	tgaactgctg	480
ctgttccact	gttctgcccgc	gactacttgt	tgcccagttc	cgcacccggt	ggagccctac	540
agagctcctg	ttgaggttct	aaggaaaaga	naagaagatc	ccctgtttctc	cgttctgccc	600
cgnggctttg	ttaacaaang					620

<210> 1481

<211> 615

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 1481

gtaggaaagc	attggtgaga	atgggcgccg	tggaacgggt	gtaacctttg	gaagtattgg	60
ctcttgagg	ggtggcgcg	catactctgt	ctactccatg	gccaaagcct	gcgtatcctc	120
tctcgcagag	tctcttcgng	aggaactaga	gcctttcaac	atcctcgctt	cagtcggtga	180
accaggatac	ttccgcacca	gcttcctcaa	ccctgggtgc	aaggtagnca	ccaagaaccg	240
catggatggt	tacaacgatg	agaacacatc	cactggcaag	acacgcaagg	ntttggagaa	300
gacggataac	aaccagcctg	gcgatgtcaa	gaagggaaca	aaaatcattg	tggatatttt	360
gacggngaca	ggtgtttgaa	agggaaaaaa	agtgcctgtg	caaatcattc	tgggcagtga	420
tgcggtgtgt	tttattcgan	ggaaaattgg	cgaggcgctg	aaaatttttg	atgactggaa	480
nagtgtgact	gtgaaccccg	atatcacaaa	atgagggact	gtaataantt	ntgtcttaca	540
atcngagtg	ccgactggng	tcaaattgan	aatancat	gcctcccaa	aataggnttt	600
tntgggcgat	tttcn					615

<210> 1482

<211> 574

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 1482
 ccacacttac ggatgggttca gcaggtgaag gacgaagacn aatccagcat cgacatgaat 60
 attgaggatg gattatcatg cgattcacgg ttatgataga gcaagctttg acacaccaag 120
 cacacaccga ctaccgacag tatcagcttc acaggccctt gacgacattg gatgtgacgc 180
 gtcaactcac ataccaactg gtctcgaaag cctggatcgt tcaactcctag gtcctgtagc 240
 tttcgactcg caagatgcag cggtaaaagg tgggtgttcaa cgaggccaag tgacagagat 300
 ttggggacct ccgggttccg gcaagacagc attgggccta cagcttacag cgaatgcgct 360
 atgcaatggt gatgcagtag tctggataga ttgctttcag gctctgcagc gagacaggct 420
 gaggacggta acaaaagctg cccaagctcg tcgaaatggt ccatcatcca cagaagttga 480
 ggcaatacca gctcggggaa gttgatgctt ctcaattcta ccagtactcc tgttttacac 540
 ttcctcattt gatttctctc gtgtcgagac ctac 574

<210> 1483
 <211> 256
 <212> DNA
 <213> Fusarium venenatum

<400> 1483
 aagatgctcg tcgagtcacg cgatgagcct gctcaattgc gaaagaacgt tactagccct 60
 aacggcacta cccatgctgc acttgtcagc tttgagaact cgggattgaa ggagattgtc 120
 aacaaggctg ttaaggctgc tgctgaccgt gcccgaagagc ttggaaagaa ctaagttatg 180
 acatagatac gtcgcaacga catgacaaaa taaaaaaaaa agcaatctag ttttaatacat 240
 cctacatggg aatgtg 256

<210> 1484
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 1484
 gcggttccatg ttacatgtgc tcggagatcc cggctgtttc ttaaaatgaa gacgagtcag 60
 ggtgccctcg ccgtattgga cggcggcatg gttcttaagg cgttctgcga caagcattgt 120
 ccgcccgaact atgcacagga gcataacatt caccaggcca caaaagccgc caagaagttc 180
 tacaagagaa ccatgagaaa tcgcatctgg gccgacaaca ccgtcactgc aaacaacatt 240
 gccgcgcggc accgcgatgc gctcgtgtaa caaccatcag acgaatcgca gctcacagga 300
 aacaagaatt ctgcttctgg tgacaagaag aaagggcagc ccccaaagaa cttgtggaag 360
 atgccttcag gtgcgcccgt tataccccag gtagtattcg agatcgtgga ggcttcaatc 420
 caaagatttc ctttccgtaa gcgtaaggat ttcttgagtg aggcattgtc ctactggacc 480
 ctcaaaaggc agaagcgccg tggcgctgca ctctaaagc gtctgcagct ccagatggaa 540
 tcggttttcc caatggagtt aacacgacga gacttcgcgg caatgggcca agcngnaagg 600
 cgagattgac tcgacgtatc gaattcgccg aaga 634

<210> 1485
 <211> 532
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(532)

<223> n = A,T,C or G

<400> 1485

cttgtccaag	gagccgcctt	ttcatccgtc	agtgcacatg	cggagcctct	cgtatcacga	60
ctcgggtatcg	tttctagcaa	accgatcatg	ttgccgagaa	tcanacaatt	cgacttcact	120
cttgccgtgg	ctgtcaagac	cgnttgggcc	atagtgtga	nccaccacgt	cacaagcaat	180
gatgttgtct	tgcgagatat	cctgacaggg	cgaactatcg	tgcacccctc	agtcncagat	240
gttgtcgcat	gttgcgcaag	agcagtagca	tgccgggtta	cttacgaacc	ggagtggacc	300
gcgaagagac	tgcttgaaca	aatcaaacag	cagcaagtca	acagcatggc	acatgaagggt	360
ctcgagctcc	agcagattgc	tcaacgattc	atgggctggg	cggaagaagt	cgaatcanat	420
gcaccagaca	tgcgagtcag	catgggtgaat	cacacaaagg	cgcaaaaaca	aaatatgtca	480
cttggctcta	caattttacna	acgaagtggg	tgngggcctg	aacaagtnnt	ac	532

<210> 1486

<211> 666

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(666)

<223> n = A,T,C or G

<400> 1486

cagtgcctg	tgacaagtag	ctgcaacttt	accctccctt	gtaatagcgc	tgttcgtttt	60
taaccacgta	cacatcacca	actacgaacg	agtcgctcgc	tatatcagtt	caaaacaatc	120
caacgatcga	ttactagttt	ccacaatgtc	tggtcagga	tacgacgccg	tcgtcgacgt	180
tgacgatgag	ggtagacctg	gccacaccga	cctccaagaa	gatctcgaat	tccacacgtc	240
caacttcaac	gacacaaatc	ccaacaccgc	caagcctccc	tctggcggca	gcagtcttcc	300
tgcgccggtc	acagcttcga	gcggctcagg	ttcatccaag	cgcttccctc	ggagcatgaa	360
cttttatgcg	cagttcttcg	atgtcgatac	ttccgctgtc	ctgtcccgtt	gctggggcgc	420
tctctttccc	cgagcaaact	tctcgatggt	ctcgaggggc	accctgattt	atacggaccg	480
ttctggatcg	ccacaacagt	tgctctgatt	ctcttncctg	gaggnacaat	cagccagtat	540
atgtctgata	cnggcaaggg	accattcctn	tacgatttca	aagctgntga	gcggcgccgt	600
tgggcttaat	ntacnggtac	acccttttna	tncctatggg	tctgggtntc	tggnccctca	660
atactt						666

<210> 1487

<211> 576

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(576)

<223> n = A,T,C or G

<400> 1487

ccagtaccga	ataccgagtc	atattggatc	agatggcgat	tttattgtgt	cgtatgatct	60
ataattgagc	cactacttct	cgatcattac	gactcaattg	ttgtcctctg	ttcaccttta	120
gaacattggc	ttctatcatg	gcgtcctcct	tcgcccctgg	gttccggagg	ttactcttcc	180
aggcttcgat	tacagcatcg	gggccttcaa	agttcttcgt	atgcaaccaa	tatcttcgaa	240
ctgtcccccg	gagcatgccc	tctcgagtgc	ttaacgccgt	ccgatcacga	tcctacgccg	300
atgtgcccgt	gagcaagtca	attggatcca	ttgccgagca	ggcttctgtt	cacgcatccc	360
cctctgtttc	tcaagctgcc	aagaangcat	ggcctgaatc	gaaccccaag	ggtgtcggcc	420
tctggcttat	tgggcagtg	tgttagtgtt	tttgggtatc	tcgtttttgg	tggtctgaca	480
cggttgaacg	aatctggcct	gaantatcac	tgaatggana	cctgttaccg	gttcgcttcc	540
cccatgtcta	aggaggatgg	gaatccaaat	cgaaac			576

<210> 1488
 <211> 798
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(798)
 <223> n = A,T,C or G

<400> 1488
 acactcggtta acaatctcgc ccaagtcact cacttgacca cactcgctca ctccagcaaa 60
 actcgcattc gctctccaaa actcactcac tctttgaagt atccccaaaa caaaatcaac 120
 ctttcaagat gtacgccttc aacgccgcgg ctcttctcgc ctttattggt gccgctgctg 180
 ctaagcccac cgcgtctcct gctcccatgc cacttggaag caagaacggc acagtcactg 240
 tcaccagcgt cgtcgtatgtc tacaccacct actgccctgg acctaccagc ttcacatggg 300
 cggcaaggac tatgttgtca ccaagcccac cactctgac atcactgact gccttgacc 360
 gtacttgaga ctcacccgc tggctcctact tggattcccg ggcaccctgg ctacaagccc 420
 gggcaccctg tcaagcctga gcaccctgag aacgagaagc ctggcaagcc tgagcaccct 480
 gtcaagcctg agcaccctga gaacganaag cctggcaagc ctgacacccc gtcaagcctg 540
 agcaccctga ngttgagaag cctacaagcc cgagcaccct gacgtcgaaa agctgagtac 600
 cccgncaaagc cttgacaccc cccganggtga naaagcctgc cangctgagc accccaccaa 660
 cccanaagc ccgaaggnga aaagctggca agncaagan gtccccgagg agcccgcttg 720
 tanntggccg gggccggggg cattccaant tnggaatcgg ccttgtaacc ttctttgggc 780
 ttatngggtt tggaaact 798

<210> 1489
 <211> 926
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(926)
 <223> n = A,T,C or G

<400> 1489
 cgccaccatc caaataaaac tatgtccaac aaagactccg tcgtatatna ttacctcgcc 60
 atcggaagc ttggctcggg ngaacccatn aaactgnttt tggaggatgc aggtattgag 120
 tatgaggagc gtcgntacgc aagagacgat acttggcccg aaaccaaggc gaagttgatc 180
 aagcaaggc tgactaggaa tgggcaagtt cctgctnttg agtaciaaagg ccatgctata 240
 actggccatg tcccgattct gcgctacctg tctcgtgac ttggctcgata tgatgggtcag 300
 agcaatgagg acaagntttt gacggacttg gtatcanaca tntatgttga ttggagggct 360
 caatgggtga gaaacctcaa ggagggcccc cgagaagagt acaaggagac tgctgcccc 420
 cantactacg atctcatcgg acagtattac gccgatcacg agggacctta tcttctgggt 480
 aatgagatta ctacaccgac tttctcgtct atgtctctat tgataacgat gctcgaacaa 540
 agacactccc tgagagcttg ccagaatctc ttgtcaaatt caaaggctgc tttcgaggct 600
 cgaccacaagc ttgttgaata catcaagcag ggataagctc ttcacgtata agattaatan 660
 acccaaatag attctgtgtg gccatcgctc accgagccct cttgatttcc tggcctttga 720
 tgcacaaacc acaactcgat tanaaagtct cggatctgac tcatgttgac tgtgngggct 780
 cgccaccgtt gagcttaagc atcaatgtac ttaatatgtg actttttcta tgccacaaac 840
 gaatcacggg tacacataga ggngacgtgt tcacacaaga tggatatgga agcatagttc 900
 agtcaattca aaagtagtctn cccgan 926

<210> 1490
 <211> 913
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(913)
 <223> n = A,T,C or G

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<400> 1490
gcgaagagca agccctagtc aaaagcctga ggacgctcta gcaagtgcc aacataccaat      60
cgatgtgccc tcgatttctc aagcagaacc agatacagct gctcctactg acgcagtaga      120
ctccaagtct gatgaacctg ccgataccgc ctccgacgaa cctaccagg ctaccgacga      180
accttnaaag gcattctgcta ctgatgctga gcctactgcc gatgaatccg nanagaccac      240
tgccgcggat cctttctcca ccgaggccag ccctactacc aaagctgccg agaagtctac      300
cgctgntgat agcaagcccc ccgagacttc tgctccatca cccaccgagg ctaccaacga      360
cgccgagtct actgccgctg cttctgccac tgatgagaat accgctgccg agtcgacaaa      420
ggcagttgct tcgcctacca ccactggcgc caacaacagc gaggaccaa aacgacgacnc      480
tagcagcact gccgcgggta gcgatgagga ggccagcagc actgccggtt agaaggatac      540
ccaaacaacc ggtaagccaa gtcacctttt acacacattt gttgtagtta cgaaggacca      600
acgacaatgg tgatcttgag accatgacct ctacgagtgt ttctacctca acacctggac      660
ttagcgatgg cgatgatgac ggcagctcct ctggcatgct gaccaagacc gcaatactgt      720
catcggcggt gttgtcggtt ttggtggtgc cattgtcgtc ggtgctcttg gtctcgtanc      780
tggaanaatc ggggaccaag aagcacacga aagaaccgac ggactcatgg attttgacga      840
atccaacaag ccgccnaaac agcaacggtc cttaccacag tgttgaaaaa nacgaagtac      900
acagtgttgg tan                                     913
```

<210> 1491
 <211> 657
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(657)
 <223> n = A,T,C or G

```
<400> 1491
gccggcgga ccaaggggtg atcggatcgg cggaaatgaa ggctgcggc agagtgcggg      60
ccttctgttt tgaggattat aatcagagta tattgaaagt ttcgcatct tttcgtataa      120
ttgttttagg catagtgcaa tcgataagct tggctgcagg tcgacggatc ggcatcatag      180
ccccaggtgg tgaaatcggg ggcagcggcg aggccacca gcgcgcgcgc cttggtgccc      240
agcgctgcg ccaccagcag catgagccag ccgcccattg tcgacccgat cagcaccact      300
gcgtcgagat catgcgcgcg gaccagcgcc acgacctcgt cccgccagcg cgacagcgtg      360
ccttgggcaa attcgcttc cgacaggccg cagccggaat aatcgagcaa caggcaggca      420
cgccctgtg ccaccgcccc atccatcacc gcctgggnct ttccccccgc catgtctgac      480
atgtagccgg gcangaacac caacgccggg ccaantgccg ggcacaaagc ggggtggcaag      540
gcgcaaggcc gtgcggggcc ggggatgaag ccaagggggc ancggtgtgg tcatggcgct      600
cgtgctancg atagcgggcg gnatatgtcc acaggcactt gagcaacctg cctgcgn      657
```

<210> 1492
 <211> 470
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

```
<400> 1492
gttttcgtca ggattggcaa agaactcgat tcttgtttcc tatctgcgta tngccctgc      60
tcactcatgg cttcggcggt tgacctatgt ctcaattggt attgncacca cacttatctt      120
tgctttctg atcgctactat ggacgcaatg cacacctacc tctgcctact gggccttgac      180
aggaggtgac agttgccatc cgggaaggtcc cgggtgtact agtcaancaa tcacaacagt      240
```

tctgaccgat	cttctcgtct	gcgctctgcc	cttgacagaca	ctatttcaac	tnaaactccc	300
tctgtcacia	cgcacgcgcc	tcacgcgctc	ttctcgctag	gtctgggtgt	tgtntttgcg	360
gcctccatgc	ncgcatatta	cactcattgg	gtcaccgaca	aaacgtacga	tggtacctgg	420
gaggggttnc	acctttggat	ctggaccgct	gangaaacta	atctgggagt		470

<210> 1493
 <211> 671
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

<400> 1493						
agctggggta	cctgagggtt	attgccaaagg	tcgatagcca	aggcgcgtcca	cgttggggccc	60
ttgctatcac	atgcggagta	ggcgctcaca	tcacatacat	caacttggcg	gctggcggac	120
gtacagcctt	cacttggtt	atctccatta	caagtgcctc	gttcttttgt	atgtggatca	180
tcacgcgctt	cacatccttc	cgattccatc	gtgcgctcaa	gctacagaac	gaccctcttt	240
ttagagagcc	atacgtttg	aagtctgttg	gctggcccg	tggtccctac	ctggctcctt	300
cgccatttgg	gggttactta	ctgttagttg	ctttgccatc	ggaaatcaag	cctctgggcg	360
gnggaggctt	tactcccaac	aacttcttcc	agtacatcat	ccggcattct	tatcatcgtg	420
ggtttacagt	cgggtataaa	anaaatcatg	cgcacgccgt	ggcgggtgaac	ttgctactgc	480
cgatttggag	gacagggaag	acccatctta	ncgttgaaga	naacaatcaa	gctggacgct	540
tactactcga	tgtccaagtg	gaggggcttt	gggaacctac	ctccagcttt	ggtgagaaat	600
gccaactttt	gcatnggatg	acttcnaact	tgggnataana	ttggagggtta	tgtattttct	660
tggcactttg	g					671

<210> 1494
 <211> 567
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 1494						
caattcttga	gtgcaggctc	caacgatttc	aaggcacgta	gtgtcggcac	cacggcatgg	60
attgcaagcc	ctgctgagac	cgtcgaactc	cttgacgagc	tagctgatat	gatgcaaaag	120
aagttgtctt	gattgaatgc	ttgatctgac	tagcggccaa	agggttaagct	tttggcatac	180
gactatgctc	gatactgtca	agatangcag	attgcccgtt	tatttcanga	gaggtctttc	240
agccgcaatc	cgacgctcac	ctaagatgga	tgagtatgcg	gcgccacgaa	aagcgcaa	300
ngacacngac	aaggagggtg	aatccgaaat	agcgtaatag	tttgcaa	ttgacccacg	360
cttggnaatg	actttgccct	nttcataaaa	agaaggcttg	gtttggcgct	taanttttcc	420
caacactggg	tggtttgctt	ctatancttg	gataagaata	ttatnggccg	acatgggngg	480
tccttttttg	cttaa	atg	acccccaat	gggctttttt	gaancgtcga	540
gaatntttta	aagaaaatct	ttctaaa				567

<210> 1495
 <211> 282
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 1495
gaagaattct cggccgcagg aattcctttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttnnnaana aacttggttc 120
tttttttact caaaatatac caatactact ttntgccatc acnctgagtc cttntgggnc 180
gctnttttgc tatgctgnag ccctaccctt aacctgctgc attgnatttg cagtaatcaa 240
agttgttaac cctgttcccc gccattntg ggaatgcaac cg 282

<210> 1496
<211> 583
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 1496
ctcgaaccga atcgacctgc gacaacgtcg atatcatgcg cttctcaatc gcatcgtcac 60
ttcttttctt ggtgagtgc gctagcgctg cctcgtcttg gagcttcaaa gatggctccg 120
ttaccgtcgc ctccaagcaa ggacacggcg ctactgccaa attcaaaaac caggagccag 180
ccaaggatgc tcttattcta ggaaaggcag ataccatcaa agtctcattg actacgaccg 240
aagacagtga agcgaagcga cctcaccagg ccttcacgtg cattacagag tcgactggca 300
tcgaagtcgc cctccctctg gacatcaagt cctctggaaa ggccgtggcc tctttctcgc 360
acaangacct ccctgtcccg ttgctcctct cgcacgaact cctcaaggtc aacctcgtgt 420
tggtctcctt cggctcatcc aacctctcat ctctccggtt ttcaacattc agatctatca 480
tgtgcccaac actcccttcc ccacatttga acctcccttg cgttacnaaa ctcganacga 540
natccaccac atcttccagg gtnggganaa gaancncct atg 583

<210> 1497
<211> 440
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 1497
aagcccaaga ccagccacac cacaacaag gngccccttc tcatggccaa ctaccccgag 60
ggttggagcc tcaagaagac caccgaggtt gtccttgccg acgttgcccc taccgtcttc 120
gccgccatgg gcctgcctca gcctgaggag atgaccggaa agtcccttct cgagaaggct 180
taattaagat gatgatgatg atgagcaaac ataccttaaa aataaaatga tcccaaggga 240
tgatgtagta gtattagcga cttgttgatg gctgggcgat gggcggtggg gtgggctgtt 300
agttcttgat acgtgctagt cgactgcatt gctttggagt tgatgagggg tgggaagctac 360
cctcggtgta atagacctag agtcgagagt ttttaaagga gtaaaattac taagaataga 420
gaattataca ttatttctca 440

<210> 1498
<211> 435
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 1498
nccatgatgtt cccatcattc ccttccctca aaatgccagg acaccaccgg gcttttttac 60
cactgattag gaccngacc acatttaagc agcgatggng acctcaacct cnacaccggc 120
cttgatgttg acnatgacgg acttgacaac ctccgggggg gcgtaggaggt cnatgaggcg 180
cttgnggacn cgganctcgt aanantccca agtnttggaa cccgccgcta ctcccttaggg 240
catttgtttc taccntgang gcgaagtatg ggtgaaacnc ttgancccat ccatttttag 300
ggctagacat tcggnagggg agttggtaca caagtnccta agggattncc actttcatgg 360
ncccgncctg ggtggaaaaa ngactaacc ttttgggggg ggtgaagaag cggttacttt 420
ggccccctaa cctcg 435

<210> 1499
<211> 610
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 1499
cacaaagagt aggaggggggt gctataactg caagagaaga cgtatcaagt gtcaagagac 60
tcacccctgca tgcggtcatt gtacaaagac tggactcaaa tgcgagtatc cgtctacgcc 120
acagatcatt catcagccac atcaacagat tccattgttc agtctccagg atatgcgctt 180
cttccagcac tttctaacac aatgctatcc tcatcatcct ctaaaacaag aggacatctg 240
gacacacgaa ataccttgta ttgcccacaa caatgaatac ctcatgcatg ccattctcgg 300
cttctccgca tccgaactca tgagaaacga ccctagcatc ttaccatcag ccatgaacca 360
tcgcatcaaa gccataagag ccatcaagaa acgccttgca gaaactacca aatcttcaat 420
gaactatgaa gaagcaaag ccatggtagc tacctgtttt gccctgacat ttcaatctgn 480
cancctcgan gacggactgg ccgaatatnt aacttttatn cgggggaatca tgattgnang 540
aatgcaaag atgtttcggg gtatnaacct atntttgana atatgcttga caggacagga 600
ttactgggtn 610

<210> 1500
<211> 619
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 1500
ccaaccgca agtgctcât tttgggtgacg tcgaaccaga cagcatatca cttagtccga 60
ggaacctgca aatctggcaa gaagcagcac caaagatcgc ttcgggaaat ctcaaggcta 120
ttttcatcga atgcagttat gacgactcgc agagcaacga ccgcctattc ggccatctga 180
agcccgatatt tgtcatggaa gagctgcgtg cgctggctac cgagggtgaat accgttcgca 240
gcatgcgtaa cgctgattcc aagaagcgca agcgcatgag tagtacggct gacgaaggctc 300
ctcgacggaa tccctcgctt gccaaacttca catcggaaga cccagtgtct cccaagacgc 360
tcaaggcatc aacgccagac ttcgtgtaca caggtcccga aacaccttcg acaccgnacc 420
ttgtacacac aacagcagag ttgacactca acccgctgta ttcgatcaca tnnggacctg 480
cgaatangag ggctctngga nggctttaaa atcggcatca ttcattgtca anggcccgct 540
agacnaatgg tcccnacgct ggagatatna tacttgngnc caattggaca atcacgagag 600
gcgaggngca atttnggtn 619

<210> 1501
<211> 619
<212> DNA
<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 1501

caagaatctc	tctcatactg	ctaaatataa	acagcacatc	tacgctctca	cactatgtca	60
gtaaccagcc	ttcaatacga	ttctgaattc	gctgagggcat	tggccctcat	naaatccggc	120
cgccccctga	tccctcccgga	gacagctctc	gacattcgtc	gtaataatca	cgccttattt	180
gccaaagtat	tccctaaacc	accaccttca	gataccatca	agcagacgga	ctgcagcggt	240
aaaagctacg	atggngcgca	natccttttg	cgctggttatg	tcaaatacaga	tatcctcaac	300
gccaaagtac	ctcaaccgcg	aatcctagca	atccacggag	gtggctttgt	atcangcgct	360
gtggagatct	gtgggtggact	caacgcaaaa	atggccttna	aacaancagg	ccggtgtttg	420
ctgttgacta	tcgtcttgcc	ccgaacattc	gtttcccgca	ggggngggang	acagcttcgc	480
agcggtaaaag	tttttttaaa	gcacgcagca	aaactnaaca	tttatcctaa	gcgcatttgt	540
gtacanggaa	aaaagtgcag	gcnggggaat	aaccngggga	actgtgctna	tgggcanaaa	600
acananagct	caattctct					619

<210> 1502
 <211> 432
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

<400> 1502

gattcttgct	ctagtctcta	ataacgacag	ccaacatgaa	gttttagactt	ggtaaccggg	60
ccgntatggc	cgaaacacct	agcgaggtgc	ttaactggcg	tctgtactgg	ancacctttg	120
tctttgggat	cctcggtgct	agccgtggac	taaatgaagg	tctggtcggg	ggtagtgggt	180
ctctcaaaaag	cttcaaggag	gaattcaatc	tcgacgctgg	ttctgaacat	caccaanccc	240
aagtggagtc	caatattacc	agcatggnc	aaatcggttc	catcgccggg	tcgctactag	300
cattttttcat	ctgcgacaag	atcgcccggtg	tacaatcact	ccaagtcctt	tgctgtctgn	360
ggctggtcgg	attcatcatc	gtccgagacg	agtcattgaa	gcgttggtca	nnttttagtt	420
gccnctttat	tg					432

<210> 1503
 <211> 508
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(508)
 <223> n = A,T,C or G

<400> 1503

gagaattgaa	gaagctttgc	aaggcagtag	cgactactac	ctttcgagga	gtgcagagtc	60
gttcaggatt	gcggctcaga	tctaccttcg	ttttgtttgt	tacgacacct	ccattacgca	120
tccatcaatt	ctcgagctcc	acgaacaact	cctcttgtgt	ctttctgaca	tcattgtcaa	180
aggacaaaag	agacgatcgt	tcccaatgtg	gcctctcttt	ttggctgggt	gcgcagtgtc	240
ttctgaccaa	caacgcaagg	ttgtgttgga	ccattttact	ctgttgata	gtaaatggcc	300
tgtgagcaac	atttcagcag	tttggaatgc	tcttaaactt	atatggcaca	cccgcgactt	360
acaatntacc	agccaggatt	ggagagaggt	gattaaaaaa	tttggaatgga	agntgtctct	420
gtcataaatg	gttagctata	gaatggttcg	cttgtgtgta	agatctttcc	agtcaagtat	480
caaacnggag	actgcgcttt	caacgctt				508

<210> 1504
 <211> 584
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

```
<400> 1504
gtcgtctcgag aggagaggtt ccatcattga ctttctcgtc atcgagatcc ccccgaaatgg      60
ccttacgccc cgaaatgccg acctcatggc tcttttgctg acttcgcat ctattcatgc      120
tgcgacgtc aatacactct atcgtcacat tacgattcct cactcacgaa tcttccgaaa      180
gtttcttgcg accatcactg agtaccctgc tctcgccctg atcgtgcggc ggctggactt      240
tagccacttc aacccctcca ccattttctc gactgcgagc gagcgagctc agactcgaaa      300
cttgaccttc gagacccttc ataaatgtct cgagctaacc ccataacctac aggagttctt      360
ggcccaggag tacatcgatg aggatcttgg acctgaagta gtcaaaaagc tctttttcga      420
tatgccccgg ctccaagccg ttgatttcgc cggctgctcc tcacctttct tcaagaactc      480
tttcaacagc ctctccagg aacagtggnc cgactctctg acacttactc gcgtttcgtt      540
tcacaagtgt tctgaacctg ccaggatctg tttttgaagn tatc      584
```

<210> 1505
 <211> 487
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

```
<400> 1505
ccgccgtctc ggccaacgtc aacttcatgg ccaaccccat catgaagcgt ggtgctctcg      60
aggctcgcca gaccggcctc ccttccctcg gtgacatcag cgaggagtgc cagtctgccg      120
ttatcgacat cgcccagggc gtccctactc ctgcccctga gatcgtctct gatctcctcg      180
agaaccccc aaccgacccc tgcagcttca gcacccccgc ctctttttca gcgagtacgg      240
ngctacagct cctccatcat tgcctggnac gccaaagaacc aaggacgaca ttatgtccgn      300
tgtcaaggag tgccccgagc ttggtgagct cgccagcttg tcccggtttg ngaggccttt      360
ggtactgccg gcccttctt cccttaatgg ctttgccaca acggttgtn gtnctccggg      420
gtttttttgg cggaaaaana ttgccaaaac ccccgggggt tttttccaac tttggggng      480
ttacccc
```

<210> 1506
 <211> 513
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(513)
 <223> n = A,T,C or G

```
<400> 1506
gccagacgtg acaaagtcaa aaaatggccc aaaacgggct cgcctaccgg catcagacaa      60
gaggtaccct cggaaaagaa gtttaacggc atgtcntgta tgccgcgcca ggaagacaaa      120
gtgcgacaac gtgcagccta catgtggggt ttgtgcatca ttgaatatc cttgttctta      180
cgataacgct gagaggaatc tttcgcaatt tgatccagct agtttggaat tccttcgcca      240
attggggcag atcatcagta cccaaaatga acttacacac acagttcggt ctatcgccgc      300
atcccaatct catgtagcat tggggccagg tgcattctca gatcaactac gcttccacgg      360
```

tagtctaagc	acagatgaaa	cagtacaacc	gcagcatgag	cttcacctga	cagactgggt	420
tgaggagacag	tcagattcag	cttcaacaac	gccatcctca	tccgcaagtg	cagctgcagt	480
tcaatgggttc	ggaattctag	cttatgacgc	ccc			513

<210> 1507
 <211> 431
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 1507	
gcgttgggtca	gcattggcca aaacaatgtc atcgctctcc ttcaagtcac atgcacaggc 60
tagctcactc	ctgccccagc tatcgggcta ctcagatacg cccagcact ggcagccaaa 120
agaatcggttc	gattacagtt tcatccaaat cgaggctgat gatgaaccgc atgtcatcga 180
gactgacgtt	gtcattgtcg gctctgggtg cggcgcaggc gtgtctgccaaaacctagc 240
agaggctgg	cacaaagtcc ttgtttaga caaagcctat cactaccctg ccaaacacct 300
cccatgtcac	aggaagcagc ctgtgctcat ttgtatgata agtgggggct tcttcacgac 360
agaagacttt	ggagcgaccg gtgactgctg gcacacttgg ggtggangan gcacggncaa 420
ctggattggtt	t 431

<210> 1508
 <211> 876
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(876)
 <223> n = A,T,C or G

<400> 1508	
cttcgctgct	ccttcagtcg ccgcttggca agctgttgcc accgctgtca ccatgcccag 60
catccccctc	tcaccgcttc tgccaaggct tctcaacttg tctacggtgg tatcaccaan 120
ggcaactttg	ccatcaagga tgctcagcga atcaacctta tcgctggtaa catcgccctc 180
ggtactgctg	atgtcgccaa ctcccttgct agcgacttcc gagttgggtt cctcctcaag 240
antcctccca	agctgcagtt ctacgcccag gccatgggaa ctgtcgtctc tgtcttcctg 300
gtccccggtg	tctttgttct cttcatgtcc gcctaccctt gtgtctacaa gccagcgcac 360
gaccccgctg	atatctgccc cttcgctgct ccttcagtcg ccgcttggca agctgttgcc 420
accgctgtca	ccatgcccag catccccatc cccaagtcct ctgcttactt ctccattgcc 480
atgggtatcc	tctgcgctgt ccaggctatt gttaagcaact tctggctcgt tggctctcgc 540
gagaagtacc	gagactggct ccccaactgg atgtccgctg gtgttgctg ggttctcggc 600
cctgactctg	gctacgcca cgtatcctc ttcggttcta ttactgcatg gtgggtggcg 660
aagtacttca	acaaccactt tgagatgtac gcgttcgcaa tcgctgcagg attgatcgct 720
ggagaagggt	tcggtgggtg catcaacgct gctctcgaac ttggaaagggt ttccgggttcc 780
ttcaagggaa	ctgaaattgc cctgcccggg gctgagtggg agatacaata gataactggt 840
agttaatggt	ggtatgancg ttttgaaagg cngtgg 876

<210> 1509
 <211> 767
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(767)
 <223> n = A,T,C or G

```
<400> 1509
cacaaactca cacatcaaac tctaacctaa ccgaaaatgg gtgtcggtcg ctttttctgt      60
gtgtctattgc cgttcgcact tacaatcggc tccatcatct tccctcctcg cggtgccctc      120
gccggtgtcg ccgacaagtc tctctacatc ttccgagtcg atgttgagga cctcagcatc      180
agccccgcgc atgtcgacaa catcatcgac aatctcgacc taaaggacct caagctcagc      240
actcgcgatg tgccccaaact catgatccgt gccgaggatg gtgtctcccat caaggataac      300
atcaccgcca agatgctcgg tctcgacaag tactacgaca tcaacctctg gggtttctgc      360
aagatcgacg ccgatggcaa gcgcaagtgt gagaagcctc aatttgactg ggccagcaag      420
tctctgaaca catctactct cgttgggtacc aacaaaaaca ttgctattga gctccccgat      480
gagatccaga gtgccctcaa ggcttttcaag accgctacca agtggacaca ggttgggttac      540
attgctgcct ttaatgctct cgctgctgaa atcgctcctg gaatcctctc caactgctct      600
cgtaatggct cctgcttgac tggattggcg ctggtattgc acctacctcg taatgggtccg      660
ttgtccacaa gngtcaaact ggtacgtctc gggctgttag gctcgcaant ttanggggtca      720
aggccatcaa ggcgttttgc cngncncacc cngccttgcc ctggggg      767
```

<210> 1510

<211> 525

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(525)

<223> n = A,T,C or G

```
<400> 1510
catatatcca tcttgaagat atcccaccat gcgtagccaa atcctcgctt ccgccctcat      60
ctcggggggc atggetgtct gtccttttct cgagcagccc gacactgggtc tcgagatggg      120
ccttgagatg ctccccaaagg gcgaactccc taagctcgac cagatgatcg gcctccccga      180
cttcgagtggt gctgcccaga actacctncc tatcgagaac tacacctact accgcaacgg      240
tgccgttggc gagtggtcct accgcaacaa cctcgagggtc ttccagcgct accgnttcaa      300
gccccgtact atggntgata tcacaaacat tgagagcact ctgnctacca ccatacctagg      360
ccacaacttc tctgggtcct cttnatcacc cctgcgcag ggctggcaat gctaccctga      420
cgctgagaag aactttgtca anggtgctgg cganggtgac attctttaca tggccgntct      480
ntatggctnt ttttcattga ngagaatggc aaaggccaag ggtga      525
```

<210> 1511

<211> 360

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(360)

<223> n = A,T,C or G

```
<400> 1511
ggcggagctg gaggtgcagg cgggtggcaac gatgaattcg agttcggttt cgatcctgctg      60
atggagcccg agcttgctct tgccctacgc atgagtatgg aggagganaa ggcccggcag      120
ganaaggccg ctgcgnaana ggaggaggct gccanaagg cctntntagg tgatgtcaag      180
gaggaaatg agggctcagg atcaagcagc aaggaccaan ataaggacaa ganggggtgat      240
gganacaaga tggacacctc ataatanatt atggttccgc tttgcaacat tgcagaaact      300
gtacaatana cacagacagg ggggtttttag atgacaagaa gattaangcc cttncgatac      360
```

<210> 1512

<211> 936

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(936)
 <223> n = A,T,C or G

```
<400> 1512
gaagaattcc cggccgcagc aatttttttt tttttttttt cttacagtgg ttgttttgtc      60
taatatacag atgctatcca aaatctgaga tgggtaaagt caccaagacc gaccctgata      120
gcttacatgg aatactgtac atgtcgcaag agaaagaagg gtatacacca tcaagaatca      180
ctttcttctt ccttctgttg tctcttttct ctcaaactga ggctggcaat acaccaacaa      240
cctcttcgca tctgccacac agcgcgtctt ccgcaggcgc cacatatcgc cagcatcgaa      300
aaacacttct cctgcttttg tggaagcacg tgcaccttaa ccttaagcat cttggatctc      360
gaactccttc ttggtaggcc cattcaggct ggtcaggaaat gggctggttc agttgtactg      420
aaaacaccac aaanatgtcc tgcagttctt tccacgtagc gtccaagaac agctgccgct      480
ttgccatcct cgatttcaag gatgaacgaa ctctggagaa aactgccaag caccttggct      540
gtccgtgcct cctctaactg ggcccttgaca gcactgtgga tttcggtgaa gatagcctgg      600
tccttacgta ccacatcttg aggaagcgtc naggctagag ggtcaataag aggcgtatca      660
tatagtcgac gagctggatt ctccaaggat gaatcttcgg ccatccatgt tggtn gatgc      720
gaccatgcct cttcnacaag cataggagtg atcggcgccn acatgcgaag gaaaccgatg      780
aaaatgggnt caataatacc acctccatca ccgcagtaca gtcgggtctt cagaccctcc      840
aagtagaatg ccgacaggtc ggctgcgacc cagcggttaa tcatactaac tgctctataa      900
aactcaaagt cgttgtacga tcccattacc tgttcg      936
```

<210> 1513
 <211> 551
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(551)
 <223> n = A,T,C or G

```
<400> 1513
ccagcaacaa gctgctcgtc ctgaacagct tcttcaggat ctcgttggcc agcgccagca      60
tgccccagc caaggctctg gccgtcccga tactgctcgt aacaacagca aactgagtt      120
cttgatgaac ctgatgagag cacctcagga gggccaacga aacgacttgt tgatgcgcat      180
ggttccgcag caccaaaagc caggacaaat gcctcaggag cctgatttcc ctagggacga      240
ccgtggcccc caacgtcaaa tgagacccaa ccaccactg gctttccgat ggaggatcga      300
ttccacaacc cttctgacgt tgatgcacga ccgaatcagc ctacgcaaat tttgcagcgt      360
ccaccacccc gtccctggcct ggaacaccag atgccaccca gctggatgcc tgggtgncag      420
atgcctcccc ctcagcaacn aaganttatg atccctctc cagganttcc tggcngtcc      480
gttaggcctg tcggtcctgg aacaaaccgt aacatgccat gcctcacatg ttccctccca      540
acttcccacc c      551
```

<210> 1514
 <211> 665
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(665)
 <223> n = A,T,C or G

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<400> 1514
ccgcactctc acctctactc atgtctacac tgttactagc tgtgctgctt ctgtcatcaa      60
ctgccctgct cgctacaccc agaaggttgt tacatctacc atcatcgaga gcacctatgt      120
ctgccctgcc actgagactg gtgctgtccc tgccatgacc acctctactc acgctgttcc      180
tgtgcctgtc accaccatta ccgacactct caccatgtc gtccctgca agactcgcac      240
```

taccaagacc	ttccagcctc	ccactacacc	tccccctgct	cccaccgtca	ccatcgtcga	300
gagcaccacc	tactgccccg	agactggcaa	gtccaccaag	actggcagct	ctgagggttc	360
tgtcggttacc	actgggtgttc	ccagctctga	agttcctaac	ccccctgctc	ccaccactga	420
ggtccacgag	aagcccacac	actcgggtcc	tactcctgag	aagcccactg	gcgacaagcc	480
tgttctcctc	ccgtcgccac	tgtcccttac	cctcctcacg	gtaacggaac	tgnttctacc	540
cctgttctctg	ttgtcccaact	cctatgtcct	cctgtttgtca	gcaaccctgg	tgntnaaacc	600
cctnacttng	gtggttcttc	aggttaacct	tcttcagtn	nggtttccct	actggtnta	660
ccccca						665

<210> 1515
 <211> 368
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(368)
 <223> n = A,T,C or G

<400> 1515		
tgttntntaga	ggatgctgtg aagcaggcgg cgcgntcat ctacnttgcg cagaaggaca 60	
acaaggacaa	ggactttgag ctcgagatga cctggatcag cggacctgat ggtcctacca 120	
agggacggcn	tgctcgagggtg ccaaaggagc tgcgggaaga ggctgagcga ttagcaaagg 180	
ccgaggatga	ggatgacgac nacgacgatg acgatgatga tgaggacgct aaggacgacn 240	
acaagatgga	ggattagaga gcgatttgtt caagaacaaa aattaaggca cttgtactat 300	
catgatgacg	aattcataga atttaatggt tcatctgcag gcttccgaac tacttgcggg 360	
atgcctgg		368

<210> 1516
 <211> 120
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(120)
 <223> n = A,T,C or G

<400> 1516	
naanccttca	caanntcgct gtcnctgttt accaccaatg cggagggttc aantctgctt 60
accccgccn	ctntctccgc tgcnctgttg gaagcangtg tgnaaagatg aactattatt 120

<210> 1517
 <211> 667
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(667)
 <223> n = A,T,C or G

<400> 1517	
ggnggggtgtt	gcacctnata aataagacaa aaaggccaga gaancacctg cagggtgcaaa 60
atggactaan	atcagccgcn aggttgagaa ccccgaggct ntgactattg ggaaggagag 120
attcgagggtc	ananacgact tcgttattgt gcttcgggta cttagcangg aagaanttna 180
agcgtatgcc	tnagcaacac caggttctnc gggagagacg acgccgagac gaagatgggtg 240
gtgaaacgga	tcgggatcgt gatagagacg atgatgagag aaaaaggcat catcgccatc 300
gtcgccatcg	tgaagacgac tcgtcggatt atgaagacaa ggatcgtgaa aggcgcaggc 360
gtcaccgaga	tgaggaagag tacgacacta aggcaagaga ttctgaccat catcaccacc 420

accgcagcca cccgggaccgc gagcctgttc tggaagctta atccaacaag caagcacata 480
aagatattac caccacccca atgactgctt ttttagatta tggagcggtta tattgaatgt 540
attcaatgaa aggattttccc atcggatttg natcgaattt aacatatatc atcagcatga 600
actggccggt tagcgaggca ttcaggatac gtaaaataaa caaaatacat ttcgggtcaa 660
aaaaaat 667

<210> 1518
<211> 336
<212> DNA
<213> Fusarium venenatum

<400> 1518
tgtcgaatgg gtgaacaaga agtcaaaggg agagtttgac attctgttgc agcctggcga 60
gaacactttc aggagtctta gatgggattt gaacgacatg gatcctcagg acgtcagttg 120
tggcaactgg ggtgtgtggg cgttcctgtg aaagaggtac cgagacagcc accagggatg 180
cttaaaaaag ggtaggacga ggatgaacaa accacgaatt ctcttgatcc atattgtaca 240
gattctgtag catagctgtg tatatggata gatcattact gaaagcgtca cgccattctc 300
tacactttaa gaggaggcat gcaggatagg tagcag 336

<210> 1519
<211> 545
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

<400> 1519
cacgtttcaa actgactgtc gtcgtccggt cttccaaatg ccgtcttttag gatgtggaac 60
gtgtcgagct cgtaaagtcc gctgcgatca aaccgtccca aaatgcaatc gatgcataaa 120
agcgggtcga gattgtgaag gctatggttt gcgtctgtct tggccccgtc acaatgacaa 180
gcgacgtgct atcgtcggac cacattctag acaatccccga ttcaaaggaa tatccngaa 240
ctatcggctg ctgaatactt cttcgaggga tatcaagcta catgatatga tcttaacgtc 300
agctcaaata catagcgtgg ccgttgaagc agtagccgat acaccattca agcctgccga 360
ggacacagtc tttgcgagac aggcacaaacc tttcctnta ttaactccc ctgcaacagg 420
ggttcttgca aaagttgagt ccggccaaca agccctgtt tcaatatttt gtagaaaggg 480
cctcgtattc tataanccct ttgggaaaaa tgcccacaga gtccccggaa ttctgattcg 540
catgg 545

<210> 1520
<211> 532
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 1520
gctaaaagaa gatccagaat ctgcacttgt tctgtacttt catggtaacg ccggccatgt 60
cgcacaagct atcagacctc tcagctacca ctcgtaaac gacacctcat cataccatgt 120
tgtcgctatt gactacagag gattcggcca ctgcacaggg tcgcctactg aaactggagt 180
aattcaagat gctgccacac ttgtggagtg ggctaccaag gttgcagggtg tcccagccag 240
ccgattgtc tccttgagca aagtctangc acaagccgtg gtcaagtga agtcgccgaa 300
aagtacgctt tacagggtgt tgagtttgcc gnatnaccat tgtcgcagggt tcaagcgact 360
tgggcaaatc ttttggtggg gctattggtg ttggaggngt tgtccctgtc cttgcaccct 420
tccgagnggg ggcctacgct taataccgtt tnatccatcg atttcgtngg cgaanaaagn 480

gggattttaa atnaccgttt ggnttaatgt tgnngggggaa nanaaaaaaaa aa

532

<210> 1521

<211> 640

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(640)

<223> n = A,T,C or G

<400> 1521

tgcgaaagca	atcaagctta	gtgaggaaga	agaggaacga	aggcgcaagg	agctagagaa	60
cagtaatgct	gcttccctct	tgcacgatga	tcccacgcct	tgcagcaga	ccagtcagcc	120
acagtacact	ggtttcaatc	agggttacca	gcaaggcaac	cccgttgact	tctttgccaa	180
ccctattgaa	cagaaccagc	ctcagcctac	tggctatatg	aacaacgcct	acactggttt	240
ccagcagcct	cagcctactg	gtttccagcc	aaactacaac	ccaggctttg	ggggccaaca	300
gactggcatg	ggtttgcgacc	catttgGCCA	gcagcagcag	cagcctcaac	aacagcaaag	360
cttcagcctc	aaccaactgg	ttacaaccca	tacctgcaac	aacagcagca	gcagcagcag	420
cagcctnaac	agcaatcctt	ntctnccagc	gtttccgagc	ctactnttca	gctggtagca	480
ataacccttg	ggcaaccagc	aacaggcagc	agcaatngga	tgcaacnaac	cctactgggt	540
tcaacaaccc	ctttggccag	nttgggcggn	cccaatccgg	ttgaacnaaa	cccattgggt	600
tcnttggggc	gcttcccga	caggaanang	ctttaatttn			640

<210> 1522

<211> 586

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 1522

caaacacggt	gacaagctac	gaagtgacat	acaaaatgaa	agataacggt	cagtttgtct	60
atcagcggtc	gtactatata	aagggtcaagt	ccggcttaac	ctcaatctct	gttatataca	120
aatctcctaa	catccacttc	gtacatcaac	tacataatth	actgaacctt	actctcaacc	180
ttcttgccct	tggtgttcat	tccattaggc	gtcttcaatc	caccaaacac	cgctgcagcg	240
acaactgcaa	taccagtggc	acccatagta	tatgcgacct	ctcggccagc	ccaccagtat	300
acacttgtga	acaagatggg	acccaggcct	cggccaagct	gaccccagct	tcgtaacata	360
ccgagcttgt	taccgcgctc	gtcctcgtga	gcctcgaagc	tgctcaganc	gttcaagcca	420
gtgacgaacg	tggcggatgt	gactgccaaa	catgtcgcag	ctaggtacaa	accaccaatg	480
gtgttgaccc	gtcccaagan	aacgaaggac	caaggcacgc	aagtnttccg	atacggacgg	540
acatcagggg	tgggagactc	gtgtaacacc	gccctgaagg	anggat		586

<210> 1523

<211> 837

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(837)

<223> n = A,T,C or G

<400> 1523

cttcccaaac	aaagtgcgcc	ttacctgcac	tcgcaacgct	tcattgtcct	ctacctacca	60
ttagcaatgg	caactctgga	acaccagtta	tgaagcccg	ctcagtgccc	tcgaggcctg	120

ctggagaggg	tctcaagtat	gcctctgcag	ctgcggctgc	agctgcaagt	gacaagaaca	180
atgtgggtat	ttccccatta	cctccaccac	ctggcgccgc	atcttcaagt	atatctccat	240
tgccacaatc	tgaagcagt	gctaccaact	ccccctgtac	atcctctgcc	cagcccgctt	300
ctcaacaacc	agagtccaag	cagcccacac	cggcgccagc	acctgctgaa	cccgagcctg	360
tgcttacgcc	agcaccctgt	cccgcaccta	caaaaccgtc	caagcgatca	aaggctgctg	420
gaaagcaggt	tctggtgccc	ganactccag	cgccgtcaaa	gcccgcgaag	acaaatggca	480
catccaatgg	tgtcaagtct	accgaggaag	aggaagagtc	catctaccac	ctgcctgcat	540
cgttgcaaga	tctggttgat	acctatgaga	cttcaagaaa	gcggccatac	cctccctccg	600
caccatcgac	attcacctg	atgactgcca	gccaggccag	ctgccccgat	gttggtgatg	660
ccgatgtgcc	acnaacatac	cgaccggaag	tgccgggtacc	cccaacagga	tccaaacttc	720
cccngagacc	gtcccccttt	tgcacgaccc	gcgggtgtac	tcacgcacgc	atcccgcacac	780
tntgttctac	gtgttctact	ataacaaggg	atccgctcaa	cagtacatgg	ctgccaa	837

<210> 1524

<211> 471

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(471)

<223> n = A,T,C or G

<400> 1524

naaatttntn	ccattcttcc	acgaaagaca	ccgtcgatca	agatgagagc	caaattggaga	60
aagaagcggg	ttcgcccgtt	caagcgcaag	agaagaaaaga	tgagagctag	atccaaataa	120
acgcacgcga	actcaacctg	acttgacaca	tctctcatga	tggttacgacc	tcgcacgcct	180
caacgatacc	ttggccgaag	cagggcacct	gccattctgg	cgccctctggg	atttcccaca	240
acgcaatgag	ttgggatttg	actttgggaa	ctacgtcagg	gtgattgaac	cccgcacttg	300
agcggctgtt	gtggcacaca	atgaacatta	tggtggatgg	aattatgaca	atcgaatggg	360
taggcaaaaag	gcgggtgttg	atcgactact	atcaaatgct	caccaacacg	aagcatcaga	420
acaagattct	aagacaaaaga	aatacagggg	tttctctgaca	aaaaaaaaa	a	471

<210> 1525

<211> 559

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(559)

<223> n = A,T,C or G

<400> 1525

aggaagagga	gctttgatgt	tcaacagcat	ttttttgatt	tctgattaga	ttagtcacat	60
tataagagta	acggctggaa	aactgtatcg	ttcacaatta	ccgattactt	atttaaaggg	120
cgacaaagtt	tctatctatc	tatctcgttc	tggttggcac	aaaagacgtt	ttctcccat	180
atccatattt	agaacttttt	tttttacttg	ggccattttt	acattcctac	cttgaacccc	240
accatcgta	cctaccctac	cgttacttgc	ccaaatcact	gtcgtcataa	tgccgtgtgt	300
caccccgga	aagctggcaa	gtctgcnaag	acaatccagt	gatattcgaa	atatttgcat	360
ctttggccca	cgttgccatg	gcaaaacttt	cacttactga	tgctctgntc	ggcacaaatg	420
gcattatctn	accaaagctg	gcggggaaaag	atcnatnctt	gactcaggcc	tgtgaagcng	480
actcgaggat	cacaatngaa	tcgtccgcac	ttacttactt	tgcccttcntt	ggaaanagcc	540
ccgacctnan	ccgaggttaa					559

<210> 1526

<211> 583

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 1526
 cttgacttcc aaggcgcagc aaatctactt ccctgtggac gagaacacaa ccgtcgttga 60
 tacagaggac gctcccaagg gacagcaggt cttcttcagc cctaccagc tctaccctt 120
 ctggcttggt gccgctcctg actacctcaa gaacaacct tatgccgttt acaatgccta 180
 caagcgtggt gaatactacc ttgacaaccg tgagggtggt atccctgcga gcaacgtcga 240
 gactggtcaa caatgggac agcctaattg ctggcctcct ctgatgcaca tcctcatggc 300
 tggacttgag agagtctctc caacatttgg catcctggac ccttccttca tcgaagtccg 360
 cagactggct cttgcgcttg gacagcgata cctcgactcg actttctgca cctggtacgc 420
 aactggtggt tcaacttcgg aaacccccaa actccaaagc acatccgacg aanaagaagg 480
 catcatgttt gagaagtacg ccgacaacgc taccaacggt gctggaagtg gtggcggaata 540
 caaagtcgtc naaggctttg gctggacaaa cggtgtcttg atc 583

<210> 1527
 <211> 519
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

<400> 1527
 cttgctgatg aaaaaatgaa agaaattatt ggagataaag aaaggcttac ntaanggaac 60
 acggtntctga tgaaggccaa ggaaggactc ggaataantt gaaacgcgtg ggaattgggc 120
 nttctntgcc cgtntnctca aaaaggaaaa aatnctctgt tgattcactt cttatatcgg 180
 agtattttga anttaatcac agtcttgaag gcttgcttcg catatttgaa ggagattttc 240
 ggcatggtct tcgttcctac cgatgccccg gtttggcaga aaggatgtcc cgtttacaaa 300
 cctggaactc ggaaggatca aggtggtggg ttctctcgat acctctacct tgactgtatg 360
 cgcganaagg taaatatcng gcgcacacag ctctctcttc caaccngggc ttctttactt 420
 cagacaacaa cgncattatc cttctcatct ctataactcc ctctctcata cccgcgggcg 480
 tccactctct tctacctcgg aagctccaaa caatgtttc 519

<210> 1528
 <211> 618
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 1528
 ctaagctgta atacactctt ttcattgatt agatatcaac tacggggcct agacatcaca 60
 accggttcat atcgccatgg ctctacatt attatggatt ggtctcggga acatggggag 120
 gggcatgagc aagaacattg ttgagaaggg caacctagac ggacctctgc tcctgtacaa 180
 ccgctctacc aagaggacag ctgacttttag tgctacactc cccgacggca aaactgaagt 240
 tatcgagtcc cttgccgatg gtgtcgcaag agcagatgtt atcttctcct gtattgccaa 300
 tgatgaggct gtccaggaga cttataaaaac aatgcttgag agcgatgtca aaggcaagct 360
 cttcatcgag agttcaacta tccaccagga gacaaccgaa gccatcgcca aagatgtcat 420
 cgccaagggc gcccgagttt gttggccgca cctgtgtttg gtgcccctga gatgggcccga 480
 aactggtcag cttgncnggg gtgcttgctt ggancgtctg ncagtgggtca caaaaagcca 540
 aagcgtggtt ccagggcgtc accttccaag gccgatattg anctttccga acaagccgta 600
 caggcaagggn ttttgact 618

<210> 1529
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 1529
 agctaataca cccagactc tcaatcaaga cccaaatcct tgtccccaga ttccattttc 60
 gtctactgac atttctatct cgtatatccg tatttccccg caattcagtc tccgatgcct 120
 tctccaatgg ataccgagga tagtcccgat tcccggccca aggaatccag caagcgtcgc 180
 cgtctcaatt tcgctgcaa ttactgccgg aatcggaaga cccgggtgcga tgagcagcaa 240
 ccttctgcca agcatgcatt tcagcgggaa tcccttgctg taccgaanac agacgtaggc 300
 cgggcaagtt gatcaagcga cgcgaggcag gtaaatccat tgatggatcg tctgttgggt 360
 ctggaagtcc atcggagtac ggaatacatt cagtcaccga gaatgtctca acagaaggcc 420
 ctnaatcgca aaagacaact gacgacgcgt ccatntttgn ggcgactggc cgatacgtgc 480
 aaaatcgcaa aagtccgana cagtcgctta acaaaagtc ttnccatacn gatactatca 540
 gtaattcnct ggcgatctta aacaaaatcg ggtaccacgt tttttcangt tttgatgagn 600
 ggntggatct ttcggctttc gggttaatggt ccct 634

<210> 1530
 <211> 295
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 1530
 cgctgagatt acagtgcgcc ttagcgagct aatcctcgac ttcaccgaca tcacagggtcg 60
 ccagatgtca tttaccaacg gtcaagcagc atgctctttt ggaatcgac cctcgacccc 120
 acagggtttcc attctgggtg acacattctt aaggagtgcgt tacgttgtgt ttgacctgga 180
 aaataacgag atctcgctgg cacagagcaa ctttgacgcc caggctctca cattctcgag 240
 attgcacagg aaaaaatgct gtccggttga attggtgcan gaggaccaca ntttt 295

<210> 1531
 <211> 544
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(544)
 <223> n = A,T,C or G

<400> 1531
 cgtcgacgcc gtcttgcgaa ggcattgcgat cattgtcgca agggtaaaat tccgtgctgat 60
 ggatctcgac cagtctgtgg acgttgctcg ggtggtggaa gtgagtgtca ctatacagat 120
 gttcacaagc ccgatccacg tcgacgtcgc gtgcgctctc aaaactccgc tagtcctagg 180
 cctaggcggg agacaacgaa ttctgttcaa cccctgcaat cagactccat tgctgtgcag 240
 ggaggtacag agcctcagcc tgttggtgaa gaaacctttc atgagccagg tggattgaac 300
 agaacagctc gacccccag gatgcgatat atggagagcg cgaagacatg cgatactttg 360
 gtccggcttc gggcatactc tttgcttaac tgcacccana aagacggacc ggcagaaccg 420
 gnntatggct natggaccac aattttngac catattcgaa gggaataatg aaacttacca 480

tcengaccng ggattttaat ggaangaatc ttaattncga cataagcttt ggtggtnaat 540
ctcg 544

<210> 1532
<211> 496
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 1532
gaatatgtca actctctatc cttctttcct ccatcaaacg agcaccctga tggctatgtt 60
gtctctggcg gaaaagatac catcatcgaa gtcaagtgccc ccaacgcaac cagcaccgat 120
aatgccgagc gccttctgat cggtcactca aacaatgtct gcactattga tgctgcccc 180
agtggcaagt atctagtgtc cggcggtgag gacgggtcaag cccgtgtttg gagccccag 240
aagtgggaaa caaagctatt actaagtggc cacnaaggca tgcggtctg ggagcgttgt 300
tgctttcaac gaccatacag tagtnactgg ttgcgcccac aaaaacatcc gcatttttga 360
ctttggggna gtcctnttg agatgtagcc ccaaattcac tntttatacc cccgacgttg 420
tccgncctt tgccgggttc ttaaaatcac ccgngcgggg ccatttttgc gagcgnaca 480
acgnangcct atccgt 496

<210> 1533
<211> 627
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 1533
cgggtcaaatt atgccctggg actacgatct tgacgttcaa atctcaaacg gcaccatgca 60
gtggattggc gataacctca accgtactga acacagntgg aactataccg attctgcttn 120
aggggagttc atatccaana aatacctact ggacgtcaac cccaccacg tcgacatcga 180
tcgttctgat ggacnaaaca tcatcgatgc tcgttggatt gacatgcana acggcatgta 240
cgttgatatt accggtctgc gcgagcgcga ggtggatcgg ccagntatct ggagctgcaa 300
gaacaagcat cgatacagaa gccaggatct atggcctatg cgcataccg agtttgaagg 360
tgttaaagcc cgtgtgccct tcaacttcaa taagattttg gttgatgaat atgataccaa 420
gagtttggtc accgagagtt gggcangccc cgatgggac acgataacaa gatttggatc 480
aaggagaatg aagaggaaca aaacagcgca agctcgggccc gtcgatcgtc acctggccga 540
ggntgttgct taccctaaac ccaaagagga gacagntggg ccatcagctc ttaaggttcc 600
tttttcnaat aattctctca caattct 627

<210> 1534
<211> 614
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 1534
ttttctttct ttcttccttc ctggtgacac tcattgccaa gatttgctgg tttatacgt 60
gcgagccacg gtttgcacaa aagttgatcc tgcttacgaa cccaacaaga tactttgcta 120

ttgacacctg	attcaaaacc	cagctgcccc	cacatttcaa	gatcacccat	ccccatcaag	180
tttgcgacaa	accctccgac	aaccgttctc	gctttatcga	aatgcccga	ttcgtcagca	240
cacctctcta	cggcggtgca	atcacttgcg	atctgcccgc	taagttcgcc	gatgtcagca	300
agttgcgaca	agtgcctgat	aaccaggaag	tttggatcga	ccaagatggg	ttcaccagca	360
tcatatttga	tattaccgag	cgtgtcggag	gctctggctc	aagccccgag	gttgacggcc	420
gtgctatgac	gacccatctc	gaagatatgg	ttggatcaga	cattgatacc	gtcaagatct	480
ggaacactgg	ccgagaccga	gtttaccaga	ttaaattggna	caccgggcta	cacgctnant	540
ttcacacaga	cccctcacgt	tagcaagtn	cggggaacaa	ccttttgngc	ccgactttac	600
tggtatnate	ttng					614

<210> 1535

<211> 614

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(614)

<223> n = A,T,C or G

<400> 1535

cctcttcatt	ctcatcctca	cctttcaaag	taacatcact	tcgataccca	aatctaacga	60
ctcttttcacg	tcgatcacia	caccaccaac	acaactccct	tccacacaat	cattcacaaat	120
ggctcgcggc	ggagactcag	cagaccaagg	tccacttcaa	gggcagtgat	gactttgtca	180
tcttcattga	cgatattcag	acctaccaga	agtggaagac	cgacaagagc	atccctctgg	240
ctcacttcat	ctcctctttc	aagatcttct	gcacacacgg	gacaaggagt	ccaggggaac	300
actcgacgca	gottccaagg	ccgctcttga	gaacgagttt	ggtacctctg	tcgatgacga	360
tgtcattaag	cagatcctcg	agaagggcga	tactcagacc	actgagttcc	ccgagcgtca	420
aggcaacaag	aacgacaaca	agggctcctc	catctcccac	tagaagttag	cagggtgccca	480
gacgatgttc	catgcagcgg	gcgtttgggt	ttttctcagg	tttagcgcga	antcaattac	540
gacaaactgg	ggcgttggtt	tgaacaacaa	cgtttgtctc	gtccgaaatg	gttgggcaat	600
tggttggtggg	cagg					614

<210> 1536

<211> 282

<212> DNA

<213> Fusarium venenatum

<400> 1536

atacggatta	acacgtttcg	aacctgcttt	gaaacatatg	gtggaccatc	tggcaagggg	60
catcctcgag	caaactcact	tcccctatgt	aaagccaccg	ctggacccca	atgaggaaact	120
tcatttagca	cagagcgcct	ctcttcgtgc	cggccgaccg	aactgggcat	cgctggtcgc	180
cgctcctcaga	gaaccgacag	cgattgattg	ttttcatggg	tggaggccta	catacaagcg	240
aaagtcgggc	gtgtttacaaa	gttggggagg	cccgaaccca	aa		282

<210> 1537

<211> 1085

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1085)

<223> n = A,T,C or G

<400> 1537

tgtacctaca	cttaaatagc	ccgaccattc	ttaaaagaga	cctgcttagt	agcctttatt	60
ccaaccttat	taactcttga	ctctgaatcg	cattttcccct	ctttacttta	ctttagtacc	120
ttagtatact	tacttatacc	cacctactac	atcattaaact	gccaaactctt	gatatttctc	180
aacctcacaa	caaaccacct	gcacaatcct	atcgctgcac	tctagaaaca	acttctctcc	240

tcgtcgcata	cactttcaaa	tcctacttcc	atggccgatt	tcgtcctcc	agctggccc	300
cctcctccca	aggcccccga	ggtccctgcc	ggatggggccg	tgcatggaa	cgaccagtac	360
aaggaatggt	tctacgtcaa	cgtatacacg	aaacagtccc	aatgggagaa	acctactgcc	420
cccgtcttcc	ctaataatga	cgggtgcgcc	gccgggtcctc	ctcccgata	cgagccaggc	480
aacacgcctg	tagttacaga	caccaagaag	aaccctatg	aagatgtcac	agccagcgcc	540
ggtggttcat	ctcaagacga	anacgccaag	ttagccgctc	ggctccaagc	cgaanaagat	600
gcgcgtgcgc	tcagtggccc	tggcgcccca	gatgttccctg	caggatatgg	cggtcgaat	660
agnccgttcc	cccagagcaa	cagcccttat	cctcaacaac	aaagcggcag	cagttacccc	720
gcagaactac	ccccgagga	cgggggtgct	taagagtggc	ggcttcctag	gaaagtgtgt	780
cggtaagggc	aagcagatgg	gtgacaagca	tcaacaacaa	ggtgcttatn	ggtgggtatg	840
ggggggctta	cggtagcatg	ggtgggtggt	accctcanca	gcagtactat	cctcagcaac	900
ctcaggggtg	ctaccagga	catggccctc	ctatgggcta	tggcgctcac	ccnttatgg	960
tgggtggttac	ngcgcaccan	ntggctatgg	tggatatnga	agcggcccgg	ctaccgcaa	1020
catggcgggc	gtttccgcng	tgggtggtatg	ggaagtggtc	ccaaccggga	agttgggggt	1080
tgggc						1085

<210> 1538

<211> 395

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(395)

<223> n = A,T,C or G

<400> 1538

gagaagctca	cacaacaatt	ggacgagaag	tcgcgcgatc	tatctaagat	ggtcaaggag	60
attaacgaca	tctctggtac	attaacaag	ggtgctaaac	ccgaggaccc	tctgagccaa	120
attgtccgtg	ttctcaacgg	ccaccttaca	cagctgcaat	ggatcgatgc	taatgcctca	180
tcgttgcaag	ccaaggtggc	agctgctcag	aaatcaagca	gcaacctagg	aagtcactat	240
gctggttcgg	ataacgatgc	gngggagagc	ttctatcgct	catacatggg	acgacnatga	300
aggggaaggat	tgtaattggt	gggattggag	ttttanggca	nggaatccag	gtatttnttt	360
tcgaagatga	atnttaaaca	gagcatgcgt	aacc			395

<210> 1539

<211> 713

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(713)

<223> n = A,T,C or G

<400> 1539

cgaacgtttg	acgggtccaac	cattctatcc	acttcttgat	tgtataagtt	ctgtatcgca	60
tcttttcgctt	caaaccgaca	tcattggtcg	cggtaaccaa	cgtgatcagg	atcgataaaa	120
ggcccanaaa	aaagcaggag	gagagaagaa	gaagaataac	cagaccggta	cccaaatgca	180
acaatccaag	gagtcagcg	ccgaaatcat	gcgacaaaaa	caggctgctg	ctgaggctcg	240
caaggccgcc	gaggccgcca	anaaataaaa	gctgcgattt	gctgtacgaa	cactatccac	300
ttccactcaa	aaaattacca	tcgattgtct	gtccggaata	ccacaactga	aaaagatgga	360
ataaggacta	cagagagggg	gcggaancnt	tcgaaaccag	acnttttttt	cagcgatgca	420
acgaaacgat	ttttgggcag	cacaggcgaa	gcgggtgcaat	aatacggggt	gtctttcana	480
aactataact	atagcctcgc	aatacatctt	tgggatgatg	tttgctcgng	atggctaaac	540
aagcagctnt	aggggccctn	ccgtctttcg	tcnttcctac	tctttgnctc	tncttggaag	600
aaatggttnc	cggacanatg	attgattgnt	tngegtgatc	cananattaa	ccnctccaag	660
ggaccagtca	atcccttttg	ggaggngacc	actctcnaat	gttttaaggc	ngg	713

<210> 1540

<211> 589
 <212> DNA
 <213> Fusarium venenatum

```
<400> 1540
ctacacacca ctgcacagct tgacgacgta agagcttctg cagccttgtc aaccaaagtt      60
gcctttttaac accttttacag tcaccttcaa cattactgac cacaattctt tctacccttg      120
gcaatcagta aatactcaat atgccaatct caccaatcat cacatttaag gccggccaat      180
gcgagggtga tgccctctcc aagccctaca aggtgaagcc gcaatctgag cctggctaca      240
tctacctata ctccgaagat gatcttgtgc atttctgctg gcgcaagcgc agcgagccac      300
tcgacaaccc cgagctggac ctgatcatgg ttcccaccga tggcagtttt actccctacg      360
aatccacgac atcttctgaa cccacctcca agactgatgg ccgcattttt gttctcaagt      420
tctcgctcgtc ctcccaacga tacatcttct ggctacagtc aaagccccag agcgagaacg      480
ggagaccagc ctactacagt cctcgtgatc gtaagatcgg cgaaatcgtc catcgattgc      540
tacagggcga tgaaattgaa ggtgggccga agaaatgggt aatgtccgc      589
```

<210> 1541
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

```
<400> 1541
tttttttatg aacttggtgc ctggagccat ttttttctct ttgttcaatt acaacaactg      60
gatcacgcaa gggcgagcaa attaattagc tactggataa tgcagtcttt ttcaattcct      120
tgaaacctcc cgaagacaca cacaacccat catggccgac gattctaccc ccctcgcttc      180
tctctcggtt acccatgtct actatgaccc cgaaagatca cctctcgctc gtatgcgcct      240
acctcgctct cctcccccaa gccctctgct tcgtctatgc tacactcgtg ctctttactc      300
gcgaagtcca agtcgccctt atgttctctg gtcaactcgc ctgcgaagtc ctcaactttg      360
ctctaaaacg tctcatcaag gaagaacgaa cgctcgtat acatggtaaa agctatggca      420
tgcccagctc ccacgcccag tttgttgctt tctggancgt ctcccttgct ctgtttctgc      480
tcgtcgcgta caagccccct cctgtgctaa angggcgggg cagaaagcng tgtgcaccga      540
acatggaatg ttgtcaaaag ggtccaatga atgtggctng catggcgatg      590
```

<210> 1542
 <211> 645
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

```
<400> 1542
ttcatttcac cgcagcagag ctgcttttca ttcattcaaa cgttnccgggt tattgtctgc      60
tacagaatta cgcaggccat gcactttggt aaaccgttct aaaagtttca atttctaatt      120
gcagatatgt ctcacgagat ggccaatgag aagggcgaag canagaattc tactctattg      180
acacctgagg ctatcaatgg agctgtttcg cctagtccaa gtgcaagctc ttttacttct      240
tctattgaaa caagcgattc ggagttcact tcatcgtggg caaagttgca agatgtttat      300
tctcggaaca toggactctt ttatgttctg ctggcacagc tgttcgcttc cattatgtcc      360
atgacaacaa ggctcttgct aactggattt gagacaaaat ttcattgctt tcanataatc      420
ttcgtccgaa tgcttgccac tgcactgatt gggctcttct acatgnggcg agaaaaagcc      480
ccgattttcc ttttgggccc gcgcgaantt aaaagattgt tgggtgctgaa aggcattggc      540
cggatccggn gggtctctng gtcttttaata ttctctttca tacctcgacg ttcccacgcg      600
acgggcatna cttttctggn cccgacttnt gacagattna ttgnc      645
```

<210> 1543
 <211> 512
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

```
<400> 1543
gctactctta cttaccttgc tgttacttca ctacacccaa atctcgtatg tcgcggttgaa    60
gacgtttccc tctctctttc gtctcttcaa cctgcctctc ttcaactacg gtcgtcgccc    120
tccgtccggt cttgaattga tagtatagcc actaaattcg atttgtcgcc aatcattttc    180
taattaacca aagtctcagt ctcataattga ggacctcact taacttcact tctcaaccgt    240
tctttacacc ggcgtgctct cacgcgcctc attaatattc aagatggcga ctccttccgt    300
aattcccaca gattccaaac gcgacaccac cggtcagttt cacagaatca caagaggaaa    360
ccgcagcctn tggtagcaag ctgactgtct gcaataacca aagcgagccc gancatgcgg    420
ttccggtatg aaagccaaca agcgatcgcc gaccggttga tctccgcgcg tgnccgagctc    480
cgaattgttg aangcccctc tctngaagag gg                                512
```

<210> 1544
 <211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

```
<400> 1544
aaactttatc gatactttcc agtgcttaac caacccatgc tccaatacga ctcatctaca    60
ccttaaaccg gacctccana accaggcgac gacggtcgat gccttgagag tacagcgctt    120
tgcgacacca atcgactcct gatactgcga ccgtcccgcac tatcaacggt ccttccaccg    180
aggtctaaaa gacaaaatgg ccatgcaatc ttcactggag gtgctgaaga acacgcttga    240
ggagattgtc aagaacccgc aataccatga tctattatcg ctagtcaaga cggcgcgcaa    300
tggatatnatt tacggaacca agngcgggt tctcatgcgc tggngatggc tttntttccg    360
ctccggaaca ttncgagaaa aggncaaatt agtccttnga gcgacgaaac accatgcgaa    420
caacttggcg cgcttcgtac cattataagc tgccatgttg gcctcaaadc tttggcgcaa    480
acctggaagg agggacatac acttttttga ggcggtcttg gngnggtttt tttntttgng    540
gcgatcaanc nccaggaaaa atttttttca accaaantcg ntttcgtttt ggcgtgtatc    600
tccccctccn catgttttaa ctgggn                                626
```

<210> 1545
 <211> 881
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(881)
 <223> n = A,T,C or G

```
<400> 1545
cttgcaactcc attgaaccca atgatctgag ttttctgttt ctttactttg tctctttctta    60
agtctttgat agtccccact gtgacagggg cgcaatggag gatgagcgag gaactcgctt    120
gcttgcgctcc atttgagcgt tggcgcttct aagtcttata ctattgtttc tgcgtgtcta    180
ctgcaagcga tggcgaggca aaggattgtg gtacgatgac tggttcctca tcgcgggtca    240
```

ggttagttgg	agctctacct	acttaatcaa	caacatcgaa	gctgttggtg	ctgaccagtg	300
gatctgtccc	gccttctagg	taacactaat	gatctctgtc	gccatcaaca	cgtatttggt	360
ctctctgggg	ttcggccggc	acaaggcaac	catcagcgac	gaaaacttga	aaacgatcaa	420
cctcaacact	atcgtcggag	ctgctttcgg	catcatcgca	acgacgacta	gcaaaacgtc	480
cttcgctatc	accttgtacc	gaatcgccac	caacgtatgg	atgaaatact	tcctaattct	540
cgtcatcata	accatcaatg	tcttcatgaa	cttggtctgg	atcttttggtc	ttgccaaatg	600
ttcttctctt	gcccgagtct	tcgataaatc	ggtaccgggt	acttgctggg	acccaaaggc	660
gctacttcag	ttccaattat	ttgctgccta	ctattcggcc	gttctcgact	ttgtcttggc	720
actcctcccc	tgggccatct	tgatgcgaat	gactatgcga	cgacaagagc	gacttggaan	780
tagctgttgc	aatgaatttg	ggtgctattg	ctgggtatcac	cggtatcgtc	aantctgtct	840
tgtggtcagc	atgaaaaatg	acaatttccc	ctacaacgcg	t		881

<210> 1546

<211> 299

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 1546

ntgaagccaa	catattctac	ccttttcgtn	tccttacttt	cattcacaga	cnctatatct	60
ctgcataaac	gggaacatga	ccttgaacca	agagttataa	gtgctnntat	tcagcgtcgc	120
catgtanatg	atccctttgc	ccatgancga	caacgtntaa	ncaaaaagaga	tggcacggtc	180
aatgttggaa	tcgacaatga	gcaatcccta	tacttctcca	acgcaagcnt	aggaactcca	240
ccacaaaact	tgcgccttna	tntcaatact	ggaagnaatg	atctttgggt	gaatgcatg	299

<210> 1547

<211> 250

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(250)

<223> n = A,T,C or G

<400> 1547

cggtttggga	gctgagcggt	tcctggcggtg	gcttctcaag	ctctggacag	tccgagagggc	60
ttgcttgtat	cctcggtaca	tgggtagatg	caccngtaa	acgaactgtt	gatgagatgt	120
atgaaaaatg	agtatagggt	tatgatacag	tgaacagat	ttctagtaca	atctanggat	180
aaaaagcgat	actgctttac	tgatgcaaaa	naaaaagnan	aaggatatgca	acagatngng	240
attatataaa						250

<210> 1548

<211> 554

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(554)

<223> n = A,T,C or G

<400> 1548

cgcgtntgtt	ctgtcggtaa	acgaaactgc	ccgatggcat	aatccacaa	gcagtatgac	60
cacctactgc	ttttgtcttt	atcctctnca	aacctattg	ttatgcccc	tcagcgtcna	120
tcatgggtcg	gatgtacaag	gtgcaagagc	ttcaaaaaga	agtgcagcga	ggagagaccc	180

ncttgtcggc	gatgcaccct	gnctaacgca	aagtgtgaat	acnccgtcaa	gttgcgctgg	240
ggagggcgac	ccttcaatcg	ttcaccgtn	ggggagtgtt	tgacccaaaa	tgaaggaaaa	300
gttgaaagat	tanattttaa	caataaaaaac	tttatttacg	tntctccttn	tactctaaac	360
caaataacca	aaggctgngt	caccccggtg	caagaggtcg	atagaacgca	atggatatca	420
acttcgccat	cagcaattcc	aaaaacatcc	gagtnttcna	ggtgggtttt	ttntccgaan	480
anccactatt	cctnttcact	cctntgaaaa	gttttcggtg	ttttgctcct	ttnacanaa	540
aggattttat	tttc					554

<210> 1549
 <211> 600
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

<400> 1549						
gccaaacatt	cgagttgata	attagcccaa	gaggagaagc	atcggcatca	tgtcttcacc	60
agtcgccaag	gccgctcgcc	gcgtcacgac	cgagcttcga	ggcgttgctg	tctctgctgg	120
ccttatggaa	aagactgtca	aggttcgagt	aggcggccag	aagtgggaata	agaccgtcaa	180
taagtgggtc	gccgacccta	aacactatct	agtccacgat	ccgaactcgt	ccctacgaac	240
aggcgatgtc	gtttctatcg	cccctggatg	gccaaactnc	cagcacaagc	gccacgttat	300
caaagacatt	attgcacctt	acggtgttcc	taccagcgag	cgttcgctgt	acccacactg	360
gaggaaagga	tagcggatta	tgaggccaag	aaggctgcta	aggatgagcc	ggaggcagcc	420
agacgacaag	aagaggagaa	caaaagacga	ggaagaaaag	cgattggnaa	ctgaaaagaa	480
ggaggccaag	cgtanggctt	ggaangaggc	naacaaaaac	acaaaccgga	caccttacga	540
acgatnntgg	cttgaatcac	ctaaatnttn	catcacacac	atgaccana	ctatnttttt	600

<210> 1550
 <211> 717
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(717)
 <223> n = A,T,C or G

<400> 1550						
ggccattggg	atttattgac	gggcaaatta	gctgccaagg	tggctgttcc	ttggggaccg	60
cagggctttg	aacttaanaa	naaagctgtt	ggtcgcgacg	gaaaanaaaa	gacaaggagt	120
aacgtcgta	gctgcatggc	atggagagag	gatggttggg	gagatcagtt	ctgctgtggg	180
gggacatcag	gcgtgggtgac	ggtttacgga	gcgttgtaaa	tatcagttat	accactcgag	240
tctgccaaac	ggcgaagcag	gcttctgcca	ggactcta	ggtgaaccca	tactctgaa	300
caacgttatc	tttttttgca	tatagcttga	tttattattg	aaatgaaagc	tacattatct	360
tcaagggcat	tttcagattc	gtacatagac	aagatgttgt	ccatcatgag	actccgtata	420
gattgcttga	acattaatcg	cttcccacca	gcgccgaaac	cgtgacccaa	actgccatga	480
ttcaaaatgt	ngtaccctt	tttatgcac	aaatgctggt	tttcgtacac	tatcatgtgt	540
ttgtttcttc	acccataccg	acatacttga	accagttggg	ccgacaatct	tccgatgtaa	600
ccaggcttcg	ccatctgtaa	gacgaccagt	gacgcagccc	ttacactttg	gagagttggg	660
acagttgaag	aagggaatat	gttgatatcc	aatatcacgg	aaccagtga	tttgctt	717

<210> 1551
 <211> 506
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(506)
 <223> n = A,T,C or G

<400> 1551
 gctacatcca caagtaacat cggtgtggcc gagcatatct ttacacagc aagaggatct 60
 tgtctgctac cacacnaca cggcgctggt gcggttatcg atggcgagac ggtcaagttg 120
 actccattca ggacagtcaa cgngccacct cctatgtcaa tgtttgacat cacagcttct 180
 gctgctattg ccgacgttgc ctttggtcgc nacaatacct cttttgctat cctccaccga 240
 aagggtatcg aaatctatac ctggcctggn aagaatggca ggtctatcaa gccacaagtg 300
 tcaaagaaaa tcacctttga cgagatggcc ancccaggtt acaacgttct tttgaggatc 360
 gccgctgttg ctgacgcttt ccactacttc ggtttngagg aaaaaaatgg gttcgtccaa 420
 cgatctgtac aggctccggg gngggcgatc gtctgttgct gatgtcaact ctcgaaagat 480
 cttgnttgct acaccagtta ccaaaa 506

<210> 1552
 <211> 641
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 1552
 atcttatacc tgatacgaag ctaccccgcc atcgacttac ctgtttacga ctttcacctt 60
 acaactacaa caacaattac tacatatctt ancctcgatg tctaatacctg anaaagctcc 120
 tatgtattcc gntggtgacc agcacggagg cggtttattg cctaccgccc agccagggtca 180
 ggagaatccc cctcacgata attccgcccc tcctgtgtac gagcaaggaa cagccgagct 240
 cccagcgatg gagaagcaac agcagcctcc tnaatatgcc cctccccctg gagggcaacc 300
 atcacagtct gccgcggtg agaagcaaag gttgggacag cagtacttcc cacctcctcc 360
 tcctggtcct cctcctgcgc aggaccaaca tcagcaatct gccctcacc caaacccgct 420
 ccagggtaac ccagtaattg cacctcaaca gcaacnggcg actcaacaac ccacgatgc 480
 ccagaaggaa cagcagagct acgcatccc acaatacgtat cctgctcatc ctactttcgc 540
 gcctcctnct acaaacccta caaaccttac aaacgagtcc agccagccac caccacagnt 600
 tctgttcaaa gagaaccctt cggncacggg aatgatcaaa c 641

<210> 1553
 <211> 205
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(205)
 <223> n = A,T,C or G

<400> 1553
 ctgggctctc ggaaacgaga tgtggggagc atggcaagtt ggccagatga caaaggaaga 60
 ctncgcaaag aaggcctacc aatggggcaa ggccatcaag cttctagacc ccagcgtnac 120
 cctcattctt tgngnggaga caaggacaca gcacctggga ctnatacgtt atnaaggntg 180
 gcttnaagtt tgnnttacacc ggttt 205

<210> 1554
 <211> 426
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 1554
 agactttacc aaaaacatta cctctacaca atcaaaatgg gcagacttaa caacggcgac 60
 tggctcctcg ttggaaacag catntggagc gatgacggcg agacagagtt ccgcatgcaa 120
 gacgatggca aggtcgctgt ctaccatggc gaagaatgcg cctggcagaa ccccccgaa 180
 cagaactggc aagttcacgg aatcaagatg caagaagatg gcaacctagt catttacgac 240
 aactctggtc tggacatgcc atctggcaca cagacactgc tgnccgcaag ggcaacaagt 300
 ctacaactct tgtggtgcag gatgacggta acgttgtgtt gtacaatgag ggtggtgatt 360
 ctntctggna cactgttgca acaagtagaa ttatcnttaa ggaaatgaag aggggtctntn 420
 aacttc 426

<210> 1555
 <211> 578
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 1555
 catcattatc aacatccaca acaacaacag ttggccccac aggtcaca gcagacccag 60
 gcagcatcag tatcagcaag tccaacaccc acagcagcaa caacaacagc aacagggtcg 120
 gccaggaagt aatggttctc ttggacgact ggaagccttg gttgccgttg caacaagcga 180
 agggtaacc gccaaagcgt actgagatgc cagccactc ttcctnggtt gcactataac 240
 tccttatgga gcaatcatcg cctccgaaca tctgtcgctt caattgtacg tggctgcttt 300
 gagacgatna tgactttaac gattttacga cacatttcct tgaaacctgg ttccgcttga 360
 tttttaccgg gaagcccnna cgaancacnt tacgggcatn gctttgtcac atgatacacg 420
 aancatgac tccttngtct tgtctacatc acgaactccc tactcnggga atcnaccttt 480
 tcctttttgg cacaacgat agcattcgac gatattccan cttgatangt ccttccgaaa 540
 anacattcac ntcancatat ctnttttacc taaccctg 578

<210> 1556
 <211> 393
 <212> DNA
 <213> Fusarium venenatum

<400> 1556
 ggaacttcat tgttgtcatg gtcactcccg tcgctctcaa caccatcggc tggcagtact 60
 acatcggtga cgctgtcatc gccgcttggt tcccatctc ggtgtacctc ttcttccccg 120
 agaccatggg tcgtagcctt gaggagattg agctcgtctt caaggagtcg ccttcagttt 180
 tctcgactgt caagttcgcc aagaaccgac ctgcgcgaaac tccccagcaa ttcctcgcta 240
 gcaaggagaa ggccgaccac ttggaacagg gcgatgaata aatgggcaat tggattttag 300
 attgggaagc gaaagaaagc gtttgcggtt atgtttgacg acatttttga tagacaacta 360
 gatcaataga atactagtat gattacgaca tcc 393

<210> 1557
 <211> 531
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G


```

<400> 1557
gaagcttttcg cttgttttct ttttcttcat tngngagaaga naaaactggt cttgactcag      60
ttgtttttatt tatttcttgc taccactaac tctacatcac ctaattgagc aaagttgccc      120
aaaatggctg aaaatgtgat ggccgcctac tgggatctcc cagctgtctc ccgaaacctc      180
gttactgctc tagtgatgac atccgtcact tgcaagctta accttgtgtc ggtctactcg      240
gtgctttatc atccgacata tttgtggatg ttccctccac agatttggcg cctcgnaaca      300
tccttcttcg tcgagctgaa ccccatcaat ttgtcttga attgcgcnc tntgtttcn      360
ctacggcaat cntctggana tgggaaacgc tcntttntcg cgcaagggcg atcttgtctt      420
ttcattctct ttatctgnnc aagaattctg gtaagccttt gtctacacac ccnggccttt      480
gcatcattcc tacngtccc ctttcaaac ccccttatt ntatnttgcc c      531

```

<210> 1558

<211> 538

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (538)

<223> n = A,T,C or G

```

<400> 1558
ctggcttcaa cttctctaata aataataccc agaaacgcc tggcatctcc ttcgcttcca      60
gaaagttaca cctctcttga tcttccaact ctccaactct tccatcatcc tccctcatca      120
aaagangtca caccatcat agtcatcaaa cttcacgcgc ccgaagctcg taatgcattc      180
accgacacta tggctgcgct tctatcccac gcgctaaaca ccctctcggg tgatcctcgc      240
gttcgtgcta tagtcctcac ttcacatgat ccaaagaacg catgtactgc gcgggcatgg      300
acttcaacga agaacatgca cttggtaaag angctgctga acatcgcgan tcaagaagca      360
tcgttactct gccaatgtnn cgctgcaacn agcctgtcat ccttgncata aacgntccgc      420
tgtcgggttg gcatnaccat gantcttggg cgccnatatc cgcgttgtga ccgcgangcc      480
aaaatggatt gtnttcgggc ccgtgggttca catggaagn gttncacaact cttctccc      538

```

<210> 1559

<211> 639

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (639)

<223> n = A,T,C or G

```

<400> 1559
ntgatgccat tcagacacaa cgttgatccc cttcaactng ctaaacgata atatctttgc      60
gcaataacgc caggtctnca aaatgccacc cgctctgagt gacgatgaaa actccgacct      120
tgaggagntn actacacccc caccgcgtgc tcgcaagaag tnaacatcag ccgttgtgcc      180
tgacaagnnt gaggacacca aagacgggtc agaggaagag ttggacgagg acgaattcgt      240
tgtcgaggcg atcaaaaagc atctcattga cgaggatggc actctgaagt ttcaagtcaa      300
gtgggaagga tacgaagcca aaaaggatct gacttgggaa ccggaggaga ancttcgtga      360
atctgctcaa gaaatcctag acaaatatct cgacaagctc ggaggtcgag agaagctatt      420
cgaggagaca gaaaccgcat ccaaaaacga gaagcggggc cgagctcgaa cggcggggct      480
cctagcacca ncggctcaac aacaaaacga tctcgacaag gngataccgc acctggcaac      540
actacanctt gcgcacatnc aagccatggg gttnccgccg cgggctcatg ggaaggatga      600
gaancgaatc aatngagcnc cgaggaggac gaaaacatc      639

```

<210> 1560

<211> 742

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(742)
 <223> n = A,T,C or G

<400> 1560
 gcgcgntcct tcttccccag ctttttccct gaacctaaccc tatcgctttt ccatctccat 60
 ctcactcttta atcgccctttt ctatcatcaa gtaattgctg gggttttttac tgggtgaaatt 120
 gtaattacga gcctacctac tgcgcgcatag ctctacacaa cctcgacttc gaatcgttac 180
 catcgccatc atggctcgccg acgcagttat ctaccatccc acggtagcgc actacctgcg 240
 ctacatggcc actaccctcg gtgcgcgacaa gctcatgoga gtcttccagt actttgcccg 300
 tttctacgcc tggtagctcc tccgcgcaaa cgcaacagca gacaaggctg ctcccttgga 360
 cgccctcaag aagcagttcg gcctgttccg aaagggtattc cgagccggaa agttcgtcga 420
 gcacctcaag gctgctgccca ccgcttcgac tcaaagtcca tggaccccg ctcaagtaca 480
 cccaggctcg tgcgcagctt ggtagcgcg gttatctcgc tgcgattctc tcaccattcc 540
 tcacgcgcggc ggtatcaaga actggaaagc acgctacgcg catgcagcaa gaaggctacc 600
 gatctgggct ggtggtaatc gnccttaaca tcttcggcta gtgtccctct cttgncagtt 660
 gagtgcacga gcatcaaagg ttgatttgaa ggaaggagaa ggtgtcnttg aaaagcaana 720
 catttntatt gagcgcgctg nc 742

<210> 1561
 <211> 763
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 1561
 gcgctgccc atcaacggcc catttcatag acctgacctt agctccgttt aagttgtag 60
 tcgatagata taaacctaaa catcgccgca ttcgttctga gatcccttcc tttcttcacc 120
 ttcttctctc ataacctcag acctgtgcac aacaaaacac ttgcgttaaa tcaatcagtt 180
 cgcatttgcg ctttacacct ggactcttac taaaccgctg tacacataaa cctctcaaac 240
 gtcacaatgg ccgacacaac cgagcagcag caaccgaagc tcggtgacga ctctcccatc 300
 tccctgtcg aacgacgaaa ctggttgag gctcatctca agcaccgccc cgagcgctcc 360
 gagcttgctg agaagaacat ccttcagcc tctaccgcag cgccaggcct cctagcacac 420
 cagaaggagc tcgagaaaca catgctcgag gacaagctca acgacaagat ctgcgaccgc 480
 ccagaccccg agtctctcat caaggagggt gttctccacg acgacccccc cgccgtgact 540
 caggacgagg ctgcgaagaa gtacgacgag gccatcgaag acgagtatgc caagcgtgag 600
 ggtggcgcc gatcatgatg tcatgcgaca gggcagggtta cttacctggn ccagggtcat 660
 gagagcctcg gtacagaaac tgtactcatg atgctnaatg tggagttttc ttttttgga 720
 tgtgtgaaat gaattgactg ttgatggctt tgggttagaag tac 763

<210> 1562
 <211> 121
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(121)
 <223> n = A,T,C or G

<400> 1562
 ngcgccganc nctacaacgn ccaancctac tatactggat acgccctctt ctggctnggn 60
 atcaactgncc gcatgtgcaa cctcatctnc gggngtagcc cgtnggtgtc aacagaagtg 120
 g 121

<210> 1563
 <211> 608
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

```
<400> 1563
tcganacaga ttgcganggg ggtcaacatg tccacattgc aacgcgcgaa atccatccgg      60
aaacctgccc ctttctnttc caccactgca aagacaacaa gaaccaccgn tgctgctaca      120
aattccccag atgcagatca cacaccgagt cgtctcccca tcaagccttt gaccagaagc      180
gcaacgactt caagcactac aacaaggcca ttgaggaatg gtgcatctgg tctttcaagg      240
gcaactttctg tcaaacagcc tactaaacca gcaacatcgg aacctgcgaa gagagaaact      300
aggtatcctc cttcaacgac aactacaaga actcgaccag cggtagggcc gacctcggca      360
gatggacca ctcaagctac caggaaagct ccagcccctt cacacacgcg tgctaagagc      420
accgcgaccg gattgaanaa tgccctgcat taagaccggc ttatcgacc tcgtcggnta      480
gtagtaccac aactacgagc actactacca ccactgttct aagtcgactc gcaccctacg      540
ctntttgaca acgccaaggg naaaaaagtn cttgggcgct gngcctcgct ttgaacaagc      600
ctttttga                                     608
```

<210> 1564
 <211> 640
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

```
<400> 1564
tgacgattat catttcgaaa aagagcactt ttacttcggc tactatcatc cggtcctccc      60
cacaaagcgg cgcatactct gggttgaacg attgatactt aattttctac acattcaaga      120
tggcgcaccg attcccttcg cttgaggact tcgattccgg ggcgcaaacc gacatcaagg      180
atccgaccgc tgagccatcg actgacgatt ttctcgctcg tgaaaaggct ctccctggag      240
acgacgcgca acagttcaca accaacaatg acgcccgtgc tttcgctgat gccgatgatg      300
accttcttgg tggcgccggc ggaaacgagc aatctacttt cgagtctcaa tttcctgacc      360
tgacccaacc tgaagctggc actggagttt ctgctggaac tgccattacc ggaggacctt      420
ccgtaagcta caactcagga taccaggcct ctttgagaag gagcaggaac ccgaggttat      480
caaggagtgg ngtgaaaagc gagacaacca nattgccanc gcgccganca attcgtgcc      540
acgcgaagaa caattagggg gtcancgaca tcntgatttt cccactcaca caagaaggga      600
agggntncca aaccaaagaa cccagttnt ggaagccaag                                     640
```

<210> 1565
 <211> 562
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(562)
 <223> n = A,T,C or G

```
<400> 1565
agaaggaagc gagaaggaag ctttacaagc tancctcgaa gaagcgcatt ttcggcagct      60
cagaaagaag aantntcgca gaaagatggc gaataacgga aatttcgaga agccagttcg      120
gtatcagcaa aggataaatc aaatgctgga aagagaggca aacctagcaa gcagcgacgt      180
```


gacacgccaa	tggcttccca	aaggaactat	atgagcctct	ttgggaagag	ttctaccatg	240
aatctaaacg	ccgaaacatc	cgcattccgaa	gtatatggat	agccgataca	gcatggcaag	300
gccaaagcgg	tctcatcaac	caagacgcac	tcggcaatga	tccaagctgg	cttgactatg	360
ctcgtgatat	tcttcacatg	atcaacacct	tccgtccacc	gccaccaata	atggcaatgg	420
gtcattcctt	cggcgcaaat	gctctcacia	atgttgctct	tcttcacctt	cgtgtcttca	480
catctctcgt	ccttcttgaa	cctgtcatct	cccactttgg	cttccacccc	tggcgccctg	540
aacgcaggcc	cgcgaacaac	aagtatgggc	gtcgcgaaat	cttggccctc	gcgcgcc	597

<210> 1569
 <211> 499
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 1569	
caccgacaac	ctgtaaggac
tagaggagcg	tgggtgtgaac
aggtcaagga	agccaaggcc
tgcataagaga	ccttcaaaaag
atttccttcg	agttcttgac
cgcaactcag	aattatagtc
gataagtaacg	ccttgggtct
aaaaaaaantt	tctgcgcccg
acattactgg	cggcggttta
	atgaaatgga
	cggatcttat
	cgagttagat
	gacaaggccc
	gatgctcaag
	gtctttgagc
	acatcatgac
	cgggcatgca
	tttctttcag
	atggtgctga
	gtgtggttgt
	ttgttaccga
	gggagatgaa
	cgtcaacctg
	tatcgcgacc
	gttatgagtt
	ttatttagaa
	aanaaaaaan
	anttnccctat
	aggagnngntt
	60
	120
	180
	240
	300
	360
	420
	480
	499

<210> 1570
 <211> 578
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 1570	
ggnagagaag	aaatgaggct
gtcaacgcgg	agctcgaaag
agactgagct	ggagcaacaa
caagcacaga	ccacccagtc
tctgagattg	tcgctcaact
atcaacggac	agaagcagaa
tcagctatct	ctgancgaga
caccgtctgc	acagactgct
tttttccgac	gaaganaana
gccgaattcn	aacagaaagn
	attatgaaatt
	gaaggcca
	tcaagaagag
	cttggacaag
	agaagtctcg
	aaaaccagaa
	agattgagca
	gttacgacaa
	ctcgggctcc
	ctcggaatga
	gcttgacagt
	tgagctgcag
	cacaccgtca
	ctgcccgtng
	aactaangcn
	60
	120
	180
	240
	300
	360
	420
	480
	540
	578

<210> 1571
 <211> 940
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(940)
 <223> n = A,T,C or G

<400> 1571
 ttggtcttga ccaactctct gctcgacttc gtcccaagtc ggcttactgc aactcactgt 60
 taaagccaca ttcttttcca agttccaaaa aaacgtacac atgttattat aacgaatttc 120
 atttttcttg tccttcacct tcttcgacca cctaggctgc aactcatcat caccgaccatt 180
 cgataatcat ttcttttgtc tgcaacctat cgaataccca atgagcctct gaataccaac 240
 gaacaacaac aacaacaaca acatnatcaa caacaacaac aacaacaac aatcgacctt 300
 ttcactctgc tttatcatca cgacactgta cattgctcat atacttcgaa tcattcatat 360
 ttcattgcat tagcttgagc gttttcaaca gtttcaatat tccactccgg ccttcctgtt 420
 ttaccgggta ttgacaaatt tcaaaaaatc gttttattga caactccctt tttgtttatt 480
 tttattcttt tttcgagtac tttttattcc ccctttattt tctctcttcc acaatggagt 540
 gcctcaagga aaagttcgtc ggcggtgcca ttctcaacgg acgttatcag acaatttccc 600
 ctctcaacca tggatctttt ggtatggtct tcaaggcgca ggatctcagg acaaacgaag 660
 cctgtcgcca tcaagtgtct taccaagaan agcgcagtgc ccgatagtaa ttgggaattc 720
 gctgtcgacg agaatcagaa gaggagccct ccacagccgc ctcgagagctc acganaacat 780
 cgттаacctg attgactctt tcgagaccga ttctcacatc tacctcgtcc tcgagttttg 840
 tggtcagggc gatctctaca aaccatccga aagggtcatg gtctctttga aantgaacat 900
 gttcgccaat tcatgcttga ncttatcgat gccgtcaatt 940

<210> 1572

<211> 561

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(561)

<223> n = A,T,C or G

<400> 1572
 gatgtcttta cccctatcgt cgctcccag accgccgttc ccgctcgacg caccgttcac 60
 atccctgctc ccaaggatgg tggatgagt ctaatcaaga ttgctgaggg taacactcac 120
 atcaagggtca ccaagcctga gccnaaggcg aaggaggagg ccaaggatga ggatgactct 180
 gactttgacg attccgatga ggaggatgag gagaccgtg agaagatctg gaagattgga 240
 aacacacttg ctgaagccgc tgттаagggc gtcaaggctg ttggcaaggc cgaggtcacg 300
 attaacgttc ttgccgacct gagtgtcacc cgttacaacc ccgtgaaagt ncggtggcan 360
 ggggtgggtgt tgcgaggaan natttaagag tcttgggatt naatagactc aaaagcaaaa 420
 acttganttc anaagccgca atgattttat gaagtangca tttaangtgg atgggatatt 480
 caaagcatgg ggtttatttg ggtagaatnt tanaagacac tatagagggc ctccgggatg 540
 aaataaaatg gaaactttnt n 561

<210> 1573

<211> 632

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(632)

<223> n = A,T,C or G

<400> 1573
 tttcanggga ctcaatctct actgatatca gtataagaca ttggttttaa tgatttttgt 60
 ctgactgtgg gacacgttga naaatattgt cccattcaca caaacaacct aaagacttag 120
 acattgtgag ctaccacca tgctccaacg acaggccttt acaaggcttg ttgccctaaa 180
 aaggatgccg tcacaagtga cagctacacc ctttgcgcca agattcaaaa gataccaggc 240
 tttcgatgcc gacttggaaca aagatgctct caatgaggct cgatcatggt acgattcatt 300
 taatgcatct caactaccga aaggcaatac tacatttgct cgctccagtg gaccaggggg 360
 gcaacatgtc aacaagactg agaccaaggc aatcacggna tatccagtag gacaattgct 420
 ctcaataactt ccccgatcat tacaccccac attcgcaagt ccaagtacta cacatcaacc 480

aatgactntt	tgactttcca	agctcaagat	tcacgggtctc	gggacgcaaa	tcgagaanac	540
aacaggaaaa	agttgactga	cgaggttggtg	cccatTTtatn	aaaaagccnc	ncctgccgan	600
acaagtgtgg	agaaaaaaaa	aaaacatgaa	aa			632

<210> 1574
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1574						
ggaaaaggta	cacgtagagt	cgccaggcca	ctaccctgca	ctcaccgctt	cgaatccatc	60
gtattaagca	tctgctctca	aaagagctag	attcgaatcc	tgaatacacg	caagtggaaac	120
catccctaag	accagtatac	aaggtcactc	aactcgactc	cgccatcgac	gacgaagagg	180
atacagtagc	catgagatgc	aacttgcttc	cccacaggga	gccgctatct	ttcagatcct	240
acgatgaata	cgaggtgcac	tacaataagt	ctcactactaa	ccgatgcctc	gaatgccgca	300
agaacttccc	caccgagcat	ctcctcaacg	tccatatcga	ggaatatcat	gacccgctag	360
tgactgtcaa	gagggaaaca	ggcgagcata	cttactcatg	ttttgttgaa	ggatgtgaac	420
gcaagtgcac	gacacatcag	aagcggcgga	tgcactcat	cgacaagcac	atgtatccca	480
agaacttctt	ctttgccgctc	accaaggatg	gtatcgatgg	tangcgatcc	tattgaatga	540
cggcagccac	catcgccgcc	gatcgtcaac	caattcccca	agctatca		588

<210> 1575
 <211> 613
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 1575						
cgtcgccggc	cttgagaagc	gtttcagtga	gggcgccttc	ggtctcggtg	ccatggtcgg	60
acgtctgaac	cccaagtggg	acgaccctgc	cccctccgac	cctgctgagg	ctcaggccgc	120
tgaagatgcc	aagttcaacg	aggccagcaa	ccgcattggt	caggagtctg	accgcgatct	180
cgacggctac	gctgcttcgt	ggctacctgc	ccgcaccatt	gtccaggagg	cattcaacaa	240
gcgcacacaa	tacgatgagc	aaggccgcat	tctngtcttc	gaaggccagt	ctgtcccctg	300
gaaggaccac	ctgtacactc	ttgaggatgg	cacccccctc	gttctctacg	ttctatacgc	360
cgagaagcct	gagcctgggtg	ccaagtggcg	catccagtgc	gtgcccgaga	gcaaggactn	420
ctttgtgagc	cgaaagccac	tccctgaggc	ttggagaggt	ttccgggatg	ctgagcttga	480
tggaatcagt	ggtgttctng	ctgcgtgttt	tgtccacgca	ctggttttatt	ggcggaacaa	540
aanacttttg	aggggtgcaa	aggagaatgg	caattaaagg	cccttgaggg	gtnaaattac	600
gaactaccca	anc					613

<210> 1576
 <211> 600
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

<400> 1576

gtcgtatgcc	atggcttccg	acggcggata	tattatccct	tctaatacgt	cctctgatgg	60
atcctccgat	cgaagctcta	attctagtc	tgggtccaaat	atcaatctta	aaaaacacag	120
acgatgctta	gccaatgtcc	gaagacatta	tcccaagtat	attattcttg	tcttggtttt	180
cggatatatc	ggtaaacgg	catacttggt	ttggcttcgg	aatggattag	ctcgtattgc	240
gaatgatcct	tatgataatc	tgttctataa	cctcaaccgc	aatagcccag	aaatttgga	300
tgaccaacac	caagccttcc	ttcgcaatgt	cgatccagtt	cctgtccact	cacacaacga	360
cgaaaaccga	cacatccctc	tttttgaagc	cctcggttct	ggctgcgtta	gcgtagaagc	420
cgatgttcac	cttgaaagac	aatgacctac	tgggttgaca	ttctggaaat	ggcctacaca	480
aagaaaacaa	tctgntcgtc	catgtatctg	gaccaatcaa	acgaatttta	gagatgcgga	540
atccaggcaa	tgacacccgt	cgaagagtct	acaaccgtca	tcccgatcag	acacttattc	600

<210> 1577

<211> 580

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(580)

<223> n = A,T,C or G

<400> 1577	
gtggactgat	ataagaagaa gaagccatga ttctctactg ccaattcatc caaacaacaa 60
gaaactcgca	cttgtctcga tcaacatacg atatctatca gaatgtctct tacagttcac 120
catctccaag	tctcccaatc agaacgcac ccctggttgt gtgaagaact caacatccct 180
tatgatctca	aactctacaa acgctcccct cttctcgcac cgccagagtt caaagccctt 240
catcccatgg	gagctgctcc cgtgatccaa gatggctctg tcacactcgc agagagtgcc 300
gcgtgcatcg	agtaccttag caacaagtac gccaacggat ctctcttcct gcgccagac 360
aaccgcgct	atgccgactt tctctactgg tggcacttcc ctgccggtac tctcggaac 420
ggctctgggg	cgcacatgc tgatccgttc cgccaagctc ggagatgata accccgttgt 480
gcagtttgga	aaagcaaagt atagccaagc tttgaagctg ctggacgaaa aggtcaaaga 540
aatgaatgg	cttgnccgaa atgaatttta ctgtcgtcga 580

<210> 1578

<211> 609

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(609)

<223> n = A,T,C or G

<400> 1578		
cgacttcac	tccagccata tcttccccat aggaatcctc cgcgcttcca tctcgtcgc 60	
tgcaccccaa	gctctccaag ctgtaattgc tggcctcggc gactggtaca cttggcagct 120	
ggcgtgtcc	atcttcggcg ccaacagcaa tgtctcattc tttgctctct ttctgcaact 180	
tttcaaccct	tggcaatggt actgctctac aagaaccttt tcaaactctt tggaaatgac 240	
tctcactgta	atggccatgt actactggcc ctgggagctt ctcggtgtgg cagagacaac 300	
taaggagaac	cctaaaccta cccctattct caagaatctc cggtcacttc gggcctctct 360	
ttgtcttgca	gcttttgctg tggttctccg accaccaaac gccttgatct gggtgacct 420	
tgtccttttc	actattacc gggctctcatt tcagggaacct tcacctcttg gtctttcaac 480	
agttctcaca	ctgattcgcg aggccatctt gtgcggttct ctgattcctag ccatatccgc 540	
tgctcggac	cgcagtactt tggcttctng acgtttcctg cttacaactt ctacacttta 600	
acctatcaa		609

<210> 1579

<211> 588

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1579
 ctgggttctc aacgctgaaa cgcgttcggt tctttccgac cgtaccatgt ggccgttcgc 60
 tctcgctttc ttgctcattg ttggcccagg cgaggcattc atcaacaacc ttggaacaat 120
 tatcggaacg cttacgcccc ctgaaatgga gggctctaagc catcgtaoct ctgcggcgac 180
 gcatgtctcc atattcggaa tcaccaacac cgcctcgcga attttcattg gtacacttac 240
 agatttggtg gcaccgtacc cccagacaca gcatgttcaa ggacctcaga cacgctctgc 300
 agtgagcagt cggttctcca tctcccgaat tgcctttatg gcatttttcg caaccatgct 360
 gtctgtcggg cttctcattc tacctcagggt ctggtccana accatgctga acgcctctgg 420
 cttgtttctg gccttggtggg tgcangttat ggaccatctt caaccttaca cctcttattg 480
 tgacaatatc tggggcctga aaatttgcta ccaattaatg tctcattngc atctgcccgn 540
 tgccggattg anactcnggg antcatttac tcccgaactt caaaacgn 588

<210> 1580
 <211> 463
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n = A,T,C or G

<400> 1580
 cgacgaagtc ggtctccaga ctgtgcgctg gcacaagctc tgtatcaacg cggctatgaa 60
 cccctcgggt gtcctttccg gtggccgtgg aaacgcagac atggctcgcg acgacgagtt 120
 gcagcgacat ctactgggtg taatgaacga gatccngac gctgtaccaaa agatactggg 180
 tcgacctttc ccagactata tggccaaacc agagaagatc attgaaagca cggcgcgga 240
 taagggtgcc aggcagagta tgttgctgga ctgggaggct ggcaagccgc tggagcttga 300
 ggtgatcttg ggcaatcctg tgagaattgc aagggaagg ggtgttgaga tgcccagatt 360
 gaaagcttga tgcgcttttg aggtcgctna agggataagg aaaaggagaa caagggaact 420
 gngacaatcg gtnccatgga cacaagtana atgggtattt ggc 463

<210> 1581
 <211> 461
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 1581
 atgggtattg agaacgtact cagcaacgct ttgggtggcg tgagttctgt cgttctttgg 60
 atcagccaga acatggaaga cgagtactcc tacaaccttt ccctgtaaaac accataaatc 120
 gccacgagtc gggcaacagg gtcgagccaa catcaaggcg cattgatggg ttgagttaag 180
 cattggatgt acgattaata acagaagtct aaagcacatt gatgggagga tgatacccct 240
 tctgagaatc ttgtgtctca gaccgcaggc aagttcttct aaacgaagg taaacagatg 300
 ccgttggatt ctgtttcatg attacggagt tgcatgcat ttatagtcag cagtgcagtc 360
 ttggcccatg tttgggatgt gtggcaaaag tatatttggg ttggcaaatt gttactcatt 420
 agtgaagctc tgtgagcctc naattaaatc gtttttgcnc t 461

<210> 1582
 <211> 961

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(961)
<223> n = A,T,C or G

<400> 1582
ttnttttata tttgtggcgc cggaacaac gactgcgatg gtgctcgcgc tgctcctgtc 60
atcggctcag cttgggactc taaccctcgc aatgcgcca gctcgcctcgc cggcggtcgc 120
gccggcgaca ctacctcaa ccgccagttc ttccctctgga gggtcggctg ggtcttcac 180
ctcatcaccc tgttcttcga gaccattgcc tttttcaccc gcttcattgc ctgctgcggc 240
cgtctcggcg ccggcatctc tggcttcgcg tccatgttcg ccctgttctg ctccctctgtt 300
gctatgtccc tgatgactgc tacttggtt ctcgcccga acgctttcaa gagtgcgggt 360
cgttcggcct caatcggtcg ctacgccttt ggttttgctt gggcctcctg ggctgctctt 420
ttcatcgcca ccgttctctt ctgcctcggc atgcgtggtg acaanggctc cagcggcggt 480
tacagcggtc gtcctatggcg tcgcaaaacg cagcgttcgc agcaccaacg gttacgaagg 540
gacgccgtgt gaaggacgac tactcttaaa ctatcactca aaaattgcc cttaggactt 600
atttaaacga tcggttttgg aagggggcgt tggcaaggcg ttaatcagga actcgagaaa 660
attcaacgct aattttgcag aaaccaattg tcatctagcc ggccaactgc aatgcccgca 720
aatgcggcgg ctcaagtgtt ttcgacagct tgattttgct gttcatattt gatctaanca 780
ctgcctgttg tgtttggcan gcttgtacac atgaaacctt ttggngggaa gcattgaatg 840
cttcnaaaat gttgaagcga aagttcnacg agatctacga gangcttggt cgcaatcgcg 900
taatanttat gaatatatga tctgcagtaa tacaagtntt ttcaaattna aaaaaaaaaa 961
a

<210> 1583
<211> 616
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 1583
cctgcccttt taacatcagc ctctgagtct agcgatgatg gaatccatct aagtccggct 60
gcagctcgtc gattcgtcgc ccgcaacctc cgccgccaat ctccaactcc cgaccttggt 120
actagcctcg tnaggccacc ctccccagat actttctacg ttggagcaca gctccctcat 180
cagggcaggc aagatgttag aggcgcgtatc gattcttcac actcttnagg tgtattaata 240
ccgaatgtca actcggaccg gcggaccgga cccatggcct ctccctcacct ttcttctctc 300
ggaatcccca aacgctatgg aggaaactgc atctttgaca tgtactcttt aacatacgtc 360
acggaaccgc acccaactt actgngcccc atttgccacg atcctctnng ggatcccgtt 420
acaactcctt gcgaccacac attctgctat cgatgtttac ggcaaagcat tgattctagt 480
ccatcaggga ccggttgccc catcgaccgg gaacctttag catggcccaa ttgnttcagc 540
ggcgccacga ctnatncgaa cgcagttaac aacatgaagg ncaagtgcc tttatcacnc 600
acgaaggatg caagtn 616

<210> 1584
<211> 481
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 1584
ntgaaaattt gacagaaatnt gagcttacac agcatngggt aaccagnaa cgntacttct 60
ctaccactac gaagatactc tgttctatct gntggaagac accgtctgcg tccgacgtga 120
agctacttgc gactgcgata cccntgcccc gaactcaatt acctgtaccg nttcagctnt 180
atcgaacctt gttgtagctc gcctcaatat gtctagaang agcaacacca tgtcagggtc 240
taacggcaac accaaggacg ttatgtcatc taacagccca gncattgaca aacaaaagac 300
cctttttctg ctgatgttgg acacttttct ntggtcgtgc catgcacctt gccgatttga 360
ttaccctatg aacgggncat gcggggcatg tcatttctct tgntcgaatc nactcgggg 420
atcccaagga tttgatattc ctgggtgggc cttnttctgc ttcggntttt ttcgactctt 480
t 481

<210> 1585
<211> 627
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 1585
tgacgaaata gtcttcaaag aacttggatc gccattccct ttgaacgggt caagtacttt 60
anaacttgtg gagtgtgtta tccgagccga gctacctgac gttggtggaa acccaaccga 120
gagattcatc gttggtacga gttttatcag cgatggcgaa gtggaagatc cgaatggcac 180
ccttggccgt attctgggtc ttggtgttga cgcaaaccgt caagtgtacc agatcgtgtc 240
ccataatcta aaaggccctt gtcgctgctt agggatgatt ggagacaata ttgtagctgg 300
gctgtccaag acagttgtgg tgtacagctt ttcgcaggag acaagcagtt ccggttact 360
acagaaactt gctgcttatt gtccagctgc ttttctatt gatatagatg tatcaggaaa 420
tatgataggt gtaggcgacg tgatgcaatc actgtctttg gttgaattca ttccggcaca 480
ggacggcaat aaagcgcaat tacaggaacg agcacngcat ttcgagtcgc tttggaccac 540
tgcagtctgt catatcgaaa ggggaaaggg ggctnagang cggattctcg angcaatctt 600
tgttgtntt caacgaaatg nggatgc 627

<210> 1586
<211> 306
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 1586
cgtacttttt catcgacaca gcacgcanc ctaatgagtt ccttgacacg atcaaaaagg 60
ttctgaaacc aggtgggtcac tggatcaacc tggggccggt gntttatgga accgggccgt 120
ttgcgcagtt gagtttggag gaggttttgg tggttagtga agctttgggt ttcgagtttc 180
ttgaaacaga tganagttgg ggaaagaana cgtttganga aanaacaata atngtcaatg 240
gaggcgccgt ntgggttttag atgacagggc tttgacaaag agcgcatata atgcgcagtt 300
tttggg 306

<210> 1587
<211> 638
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(638)

<223> n = A,T,C or G

<400> 1587

tgctgcctac	tggatgttat	gccggaccct	ttggtgctcg	gccacggnga	ccttttatgt	60
ggcaacatca	ttgtgcaaga	gtcggctgat	ggcatggagg	ctgtgaatgg	tgctacagat	120
gtcgcaacag	tgcgcttcat	agattacgaa	catgccacct	actgccctcg	ggcgtttgaa	180
cttgcgaaac	atttcgccga	atggactggc	ttcgagtgtg	actacaccaa	gctgccaagc	240
acgtcaaccc	gccgagactt	tgttcgtgag	tacctcaaga	tgacgcgcga	ccttnatcgg	300
caacaccaac	acaaacaaga	ctgccatata	gccgactgcg	acttggcgag	aaaaacaaaa	360
tcagatctac	cgggtgccaa	tgacgcccag	gtggagaagc	ttatgcgtca	ggttgatgat	420
tacaggggat	tccttgggtt	ttactggggt	ctatgcgctc	tcattccaggc	tgagacagcg	480
accggaacta	tcgactttga	ctacgcagga	tatgctcaaa	agcgctttgc	tgaataccaa	540
gcatggcgca	nggtccaaga	tggaaatgtc	ngatctggng	angaaaatcc	cttgcgtgaa	600
aanaaatggg	cgcttttggg	agggcatcca	aaaagcnn			638

<210> 1588

<211> 804

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(804)

<223> n = A,T,C or G

<400> 1588

cggtcatcca	actctcgctt	taatccagtc	tctcattaat	ctaatacaca	actcaccaag	60
tcactntttt	acttgtttaa	tcttcaatac	cttcacgatg	aagttcagcc	tcttctcttt	120
cgctcgtctg	gcctcttccg	ccatggctgc	tcctgccgtc	caggtccagg	ccaaggccgt	180
cggtgccggg	gctgtngtcc	acgcccagca	ggttcccgcc	gttcccgcgc	tccccgctgc	240
cgtccccgag	gtcgtcacct	ccaccgtcag	caagaccgtc	accaagaaga	tcacctntac	300
caaggtcacc	aacaccggcg	gcgtgtcaag	gttcttaccg	ttgctgtcga	cgaggtcacc	360
gttcagggtt	ccaccatcaa	ggcgaccatc	ttcaagggtc	agaccggcac	tcttagcaag	420
gctgtgcca	tcaccacagt	ccaccagaac	gttgnatca	tcaacgacct	cctaccaccg	480
ttgtogacca	agctcaagga	tggtgtcagc	atcgatgtca	acgtcntgac	gtcaagncat	540
cctcggnctt	gtcatcaagc	tgggtcacng	ctcgtcgggt	tcgctaagga	catctgagcg	600
tcttcgggtt	gacaacatct	tgggaagcgc	ctcaactctt	ttncgttcgt	gggaactttc	660
tnaacctngt	tacgaccttg	gcggggatat	cgtcccggng	ttttganaat	ntaacaacgg	720
ttntgagcac	cttttcggta	ntccctnggc	ccgtnattaa	accggtttca	ccgttgtnng	780
gggcttaccg	gttacttaaa	cagg				804

<210> 1589

<211> 1043

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1043)

<223> n = A,T,C or G

<400> 1589

gcaagaaaca	atcagttata	cagtcttctc	acggataata	tcataaaca	caacaaaaag	60
atcgacagga	tcaccgggca	gatactaac	tttccataat	atctacacta	cctcctacta	120
tatacattta	gaagccagcc	aacaactgct	gctctatcca	ccttccattt	tacaatcaca	180
accacattca	aaatggagac	ctcacgcgaa	cactcacgat	ctgcctcttc	cgcctcgcgc	240
cgggtcaaacc	gatcaaacct	ttctctcgat	ctctctaacc	ttcccgccat	gaccccgcc	300
acacctccat	caaacactct	tctcttcacc	aacctcacgc	acctagccat	cttctctccc	360
gagaaccttg	aggatcatcg	cgacctcatc	acccactccg	ctcccatcca	cgcttttgcg	420
cccctaaaat	ccttccgctc	cacgtcgtc	tccttctttg	acgagcaggc	cgccattgcc	480

gtccgccagg	tctgggataa	cgaggctatc	atggggccagc	agtgccgcgt	ctactttggc	540
atgcccactc	ctgtcgacaa	gcgcgatgag	catctogccc	ttcctgacgc	cggcaagctc	600
ttcttcatct	ctccccacc	tagccctccc	acggttgagg	gatgcgcgtg	gaggatgcgc	660
ccaacaagct	ggttcacgct	gaggatctcg	ccgaagccct	cgctaagttg	caccaccgcc	720
cggacctatg	gacgaggacc	agaactcgcc	tgtgactccc	cacgactctg	ctctttcagg	780
tcgcacacgc	tcttcgctct	ttcactctga	tctacaaagc	cccgaaaaca	aaaacaagta	840
tgcccgtgtg	cattggtgat	gacatgacag	atgagcctat	cgagtacagg	cctgtggagg	900
caatccaaac	ccatcatggn	gcatactggt	tgacctcttg	tcgaagctga	tgcaccacgc	960
ctaaactggg	cacaaaatca	atgaacaatg	gtggttttac	tttggcggtt	naagggacac	1020
aatacnngaa	tnnggggggtg	ggg				1043

<210> 1590
 <211> 923
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(923)
 <223> n = A,T,C or G

<400> 1590						
cgcttttcgtt	aataagagtc	actcttggtg	ctttcagatc	atttgaagct	cactcgctat	60
ttacaacaca	tcaatcgttc	aagtaaaacta	cctacctacc	tcctaataca	catacctcaa	120
ccaaaatgaa	ngctgctctc	ttcatcgctg	ctgccggcct	cgctgtcgct	caggatctca	180
gtggccaacc	cgagtgtgct	ctcaaatgtc	ttaaaggaatt	catccccaag	gccgggttgcg	240
agctcgacga	caccgcatgc	caatgcgagt	cctctttcca	aaccaagctc	gctcccatca	300
tcacaccctg	cttgaccgaa	tcatgccagg	ttgaagacct	cctcaaggct	cagcaggctg	360
ctgtcgatgc	ctgcaaggcc	tacgccgcca	ccgctggcgc	cggctccacc	actgtcgctc	420
ccaccgagan	tctcggtccc	gtcaccgtca	gcacgcacac	ctccatcact	ggctctgccca	480
gcggttccgc	catctttctca	agcatccctg	atgagaaacc	cattcctcct	gttactcccg	540
tcccggtaac	ggaacaatga	ccaagaacat	gacagaagga	ggtggatccg	gaagaagcgc	600
tgtcacaccc	actggtactt	ccggcgggcg	cggcggaagc	ggaagcacc	ggtggtgcca	660
gcaacgggtc	ccaacggacg	cttgggtgctg	ctggcggttg	ccctgccatg	gggcttctcg	720
ccatttttgc	tgctgcattg	ctctgtaaga	gctctcctac	atactggatg	tttgtacata	780
atgcagtatt	accatggaac	aatttgggaa	agctactaac	tggagttatt	gcgaangaat	840
cacgacatga	ccttacattg	aagtttaatn	tttcngaaac	acaaaagggt	gccattcccc	900
gnntgggaaa	actataatag	att				923

<210> 1591
 <211> 634
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 1591						
gttcgcaatc	gaaagaatgc	tcagactgct	gtatccggcc	attggtcgag	gcgaatatgt	60
aacaggagga	caaagacata	tggctttttac	gactcaaact	acaccatgcc	ctgtatgacg	120
gagtcagctc	tccagacta	ttaaagcggt	tctccgagtt	actgagtggc	gctggcacta	180
tggaaaataa	gggcctcttc	cagtgggaagc	aatttgctat	acgccacact	gtgaatgaag	240
ctcgtattac	aagacgagaa	ttctggacaa	cgtatcttaa	gggctcgtct	ctcagtcctg	300
tcatgatcaa	ctcgggaagta	gatgtcaaga	taccgaactt	cacatttgaa	ccagtctgcg	360
atctcagaca	tcggctcctat	ccaggctcct	gctacccagt	ctggcggttc	cttccagctc	420
ttgtttctct	cggtttacgc	tagagcactt	gccaaagcana	acaatgtctc	tgatgttngn	480
tttgggggtg	atcttgccaa	tcgagctggt	ggngangacc	ttccttcaac	ctacccact	540
tgaacttgtc	ctntaanggc	aacttgccctg	caatcganct	ttaatagntg	ccgccccnac	600

agcgcaaggc	tctagtcgac	gatcttgaag	ctcgagaaaa	cgcttggaag	gttcagcgag	360
aagaaaagga	gcaacgggag	aaggatgaga	tagagaagga	aagggcacga	cttgtcgaac	420
aaaggcgtct	gcgcgaagan	gaggaacagc	gtcaagcttc	ttgctgcgca	agaagtcgan	480
gatcttgctg	aagcaaaaaga	cgtctgaagg	aaaagaagga	gaagaagaag	caggatgagg	540
cganggaaaa	attttttgcg	taagtcgcga	atgggccgca	aagctacaga	tgggaaagcc	600
acancctggc	caatcaacgg	ngccattaaa	ctgccaggag	attcttcgng	ggtttttggc	660
ccggacanaa	ctttctggga	attagttctgn	gacaacttng	tgcggttcag	gccgtnaaaa	720
ctgccaanaa	attaagcacc	nccggcgaat	accacaacca	aacanggctt	ttttaaacca	780
aanacaaggn	ttnccccgc	gaaangcgat	ttgttgacng	gcntttt		827

<210> 1595

<211> 793

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(793)

<223> n = A,T,C or G

<400> 1595

tccaaggaca	aaaagaaaga	taaggataag	gccangggga	agcgaaatcc	tttcaatctc	60
gaggctgaga	aggatcagat	gaagtctgtc	attgccgact	cctntattgc	agccacgaat	120
ttgatgaatt	cgcttcaaag	cgtaaccgc	gaagttgagc	gcatttcgga	aatcaagtt	180
gcgngngaac	gtttcgaagc	ctgtaagctc	ctganacnaa	aagttttgcg	ttatgttcat	240
catgtcnaaa	aanagcagtg	gttaggaggg	ttactccacg	ccaatgacga	gcttgtccac	300
gctctcatgt	natttgaaca	gttcgattgc	tctattgacg	cggatagtga	ctctgatgac	360
naacttgctg	agcaagccca	tctgtaccga	atggctacaa	tcaaaggcaa	ggaggccatg	420
gccaaagcag	cccgcccggt	ctccaactac	ttcgcaaccc	ccagatctgt	cccagagctga	480
acatttcaca	ttctcctgct	catgctgctc	ctcctcgccc	tcttccaatg	tcaaagcctc	540
actcaaacc	acctcccaa	ccccacggc	cggcagcagt	gtctccgcct	ccacaggatg	600
aagaggatga	cgatgaccct	tttgagatc	acatgcctcg	atacaccttc	acacgagcgc	660
gaacagncta	gggtgtgacg	atcgaaagca	ggcgtcaata	tcggtagtgt	gaatagtgtga	720
attaggcaca	ggctttgtng	gtagaacatt	tangcacgac	attacagtgc	tatatcaa	780
atcttaccat	tcg					793

<210> 1596

<211> 638

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(638)

<223> n = A,T,C or G

<400> 1596

ctgggatcat	tacgtccctt	cgccatgctt	ntttctcgcc	atggaagtct	tcgataactt	60
ttctcacgac	ggtattcgct	acgacatcac	caccgagcaa	cccctgcagg	gccacgtgct	120
gatcgacagc	gatggtgact	tttatgagtt	ctactcgaga	gaactggatc	ctctttagtc	180
acgatacttc	cgagttcgtc	acgctgcaac	ggcaggaaac	tatcccaagc	cgtaccccag	240
caatgocggtt	ctgcgctaca	tctccagcaa	gatgcccttc	gctgccaatc	tttccgatcc	300
cgagttcatc	cccactcggc	tcatgcagtt	cttcgacggt	ctngaaaagt	acttcccacg	360
ccaccgtctt	gtgacgtctg	actttgactg	gctacctcaa	gctgtcaagg	gaatgaatgc	420
gcctgttggt	caaacaagg	accacagaag	gatgggccc	tcacgacacc	tttagttcac	480
caagggttat	ttttgacatt	ntgttcctta	cagacttnca	aaaccacgga	agccatntac	540
cnggccatta	cgggttaaagc	tttccggtgt	tccgtcgcat	gggggaattt	cntgccccaa	600
ngggggccnt	nttttgaagg	acacaaaaaa	ctcnaat			638

<210> 1597

<211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 1597
 ctacatcttc cttctcggaa cagccttcat gaaggccaag tggcgagcga ggatcggcag 60
 tttcctctct gtgtacagtt tgatcattgg acgatgggac atggccacgt tcatgggcgg 120
 catgctgctt tcggagcatg atattcgacn atcatccgat ctgccacctt cagctgctgg 180
 agccaaagga cgtggaagag acttccaacg aacgaccagg ggaaccgtgt tgagatgggc 240
 cgggtatcatc ttagcgctct acttcctttc ataccctgac gccggcgccg aatacactcc 300
 cggcttttga tatctttcaa cctgggtgcc acggtactac atcccacttt ccggctggat 360
 gttttaccan gcgatgggtg cggttcttct cgttgcttgc atcttgcgca gtccggcact 420
 tgttcgctg ctcgaaaatc gcttcccgca gtacttgggc aaggttnntt ctactgtat 480
 cttgtgcatg ggctgtgctt accantctcc ggttctggat aatgccccng ttattgatan 540
 cttggaaana tggcgggatn cgtcngtggg ttatctn 577

<210> 1598
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 1598
 tgtggttctc gtcttgagtg gcgttgactc agagacccaa cttggccgta acctgcgagc 60
 tgtgggactc ggcaatgatg gcattgaagt catgatgttg ccgaatctga actctgccct 120
 tgaaagctgt gagaatgagt tgctcaagac tctctacgct cggcagaaag agatcaattc 180
 tttgagacgt atatcggcac agtcagccca gaacttggat gttccttcta acaagtcgtc 240
 tggttttctc tcatattgat cgcctttcaa ctcaccacgt cgcaatcatc tcgcagaggc 300
 cgctcgcgat acttttagta gcatcgatgt acaacgtccg aanaagtggc aganttttaa 360
 ggaacccctt cgcctcatgc ttcagggtttc cagggtctga gcgacaaaaa caaggacttc 420
 tgggtcccag caacctctta cttctctcga cgtgaaattc cactgggact gttctttccg 480
 gcgtggaaaa naagccacgg attctacctt gttgancgtg gtatcgttcg cnccaantac 540
 aatctccccc aaggatggtg gtgcgaaaca ttgtcgttgg aac 583

<210> 1599
 <211> 412
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 1599
 acgacgccc n tactcccggc ggcgcactcg gtgccccaac tcctggtgcc atgaacgctc 60
 ctacacctgg tgcttactcg ggcgcctacg ctgctgctat cagtgcacca acgcctgggtg 120
 gctggcaagg cggatgggga gcagattcgg cacctactcc tgctgctggg gctcccacgc 180
 ctggctacta tgctgctcct actnctggag caagttacgg tccaccagag actcctgcag 240
 ctaccgggtc tcgatacact gatgatgatt gattacaggt agtacaagac tgaacagata 300
 ttgggggtgt tatatggngg atgaatgcaa aaggcgtttg ggggaagaca gtaattgntt 360

taattaaaaa aattttgggc gtacccccat ttagcattgg aaaaaaaaaa aa

412

<210> 1600

<211> 364

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(364)

<223> n = A,T,C or G

<400> 1600

aatacaacaa	caacaacaac	aacaacaacn	ctttnatcac	aaaactatat	ccaacatgcc	60
ttcttacatc	gttacctgca	aggaagacgc	cagcgacgag	caggtccagt	ctgctaagca	120
gcacgctatt	gaccagggcg	gcaagatcgg	acatgagtag	agcctcatta	agggcttttc	180
cgtcgagttc	cccgcagatt	ccgttcagac	cctcgagagt	cacgagcata	tcaaggctgt	240
tgaggaagac	ggcgctcatga	cgacccagta	gagtcacagga	ataaattata	agagatgggc	300
gacatcctat	agatcatctt	gagctctgtt	gcactggcgt	tctggaatat	aactattaaa	360
ctac						364

<210> 1601

<211> 619

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(619)

<223> n = A,T,C or G

<400> 1601

totacaggcc	gnctctttcc	tcagcaacct	agaggttgtg	caactactgc	tagacaaggg	60
agcggagggtc	aacgcgcagg	gcggtttata	cggcaatgct	ctacaggctg	cctcattttg	120
cggcaacctc	gagattgtac	aactactgct	agataaggga	gccgatgtcg	acgcgcagac	180
tttgcaggct	gccttatatg	gcggaacccc	cgagatcgtg	caattactta	atctgaacgg	240
cgccaagatg	gtatccagga	agcgatctag	ctcgaaaaac	gtcagggaac	gaacgaagtt	300
acctcggtct	tagactctac	cggcttcggt	tgcacctacg	accaaacctn	cagcctttat	360
gctgtcgaag	ccatggcccc	tacctgtcat	tcgtacccaa	gtaattgctg	tgatgttggt	420
attcctatct	ttattctact	ccagtcgaat	acagacgcac	gggtaattcc	ttaggaggat	480
tatgtttgat	gcattgacgc	attgagacgg	cgtcgtgaca	aggttngnaa	agcangcggg	540
agaagaacat	tagtcagaat	gggatagtga	tagactcanc	acatatgnta	gggatttacc	600
tccagagagt	tgagagaga					619

<210> 1602

<211> 380

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 1602

cgaaaagatg	ggcgctgaag	cccgaactgc	tcattctgat	gagttcaaga	atctcgagac	60
cgagatggct	ttgcnacaag	atggcatgga	aaagatgcaa	aagtcaatga	gcggctacgt	120
caaatggntg	tctcgtcgca	atgaactgat	ggaagacaag	gagcgcggcn	ccccaatgtc	180
gtctntttgn	cgaactatgg	ccactcatgg	ggaggacttt	gagcaggatt	ccgagttcgg	240
aaactgcctc	ttatnttttg	gtcgcnccaa	cgagccgtat	tggtggtatc	caggactntt	300

atgttgactg cgccaatgcg acctggctgg acaacctcga agaggagttt ggcaatgatt 360
gcnaaaagtc canaacgctc 380

<210> 1603
<211> 559
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G

<400> 1603
caaactcaac gaccttggtta acgtccacat gtccacgtag cacccttttc cttggcgaac 60
ctcaatacac gttatagcca cagctacaag agcaattgat ccatcgaatc atcatcatca 120
ctacctcatc gcgaataatc caccacctcc gtctgtataa tgttcacatc cactcggcgc 180
tggttgcgca acaaccggac acccatcgct gttggtgtgg gcgtcatcgg tgctggctat 240
gtcgcgactc aatatgttat cggcaagctt aacgatgctc gcgagcgcgc gagcagcgat 300
cgtatcgcca aggagaactt gcgacgtcgc ttcgaacaga accaagagga ttgtcattca 360
ccgtctggct ttctgccttc cgaacgactg cattatcgag gcatgacacg gacagatcac 420
actagagatt aacagatgaa ggcaccaagg cataaagaat ggcgnaacaa tttgcggaca 480
ccaagcttgc gccacattgc ngagaggacg ganactggag gcaaacagac ggtcaccnt 540
agntccacgc tacattaag 559

<210> 1604
<211> 158
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 1604
naagcncttc ttacgcgact tatctacagc gtcattgtga ttcaactggt tctgnnggcta 60
gttgatgggt tcccgttttt gggtacaatc ttgacgattg tctcgcatac cgtttatctg 120
ggcaacatga gaccttcctt tgaacangca aanaggac 158

<210> 1605
<211> 782
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 1605
caaaactcct cattcaaata ttccccgttc ctcaacaatc ctttaggata cattcatcca 60
caacaactca atcaattcca cccctcatca cattaccccg cctccatcat catgtcttac 120
gccgatattg ctgccaaagg tcccgaagcag agccccgagg atgctgctgc ccctcaacct 180
cctcaaatac tgactgacga gtctgcctcc accgcctctc tggtcgacgt tgacatgcct 240
agcgtgcaca ccgtcccca cgaacttcctc gagcaggaga tccagaccga gactcaagca 300
gcccgcgctg agcgagagga ggaggctaag caagagaagc gaaagcgtga ctccgccgcc 360
tcaaagggtc aggagaccga caactggctg atccagcagt tctccaagct gaccgacggc 420
gaggccaccg gcctgactgt cgccaacctg gccaccgtcg tcagtctcgg tgccttcctc 480
ggctacaagg gctggggcct gtacgaaaag ggtaggctcg actggaaagg ccgtctctta 540

cgngtgcggt	atcctcgcca	gtgccgcggc	tgtcaaggc	gcttggtgga	agatacctgt	600
acaagggcaa	gaagggtggg	tctttnttaa	aaagatgatg	aaaagtgtga	aagtcaacaa	660
aaaccacagg	ttgcgaaagc	ccttgcgag	atcaactaca	gaacttcaga	tcccgnaaca	720
aacaacgact	cggactatga	agaagaatac	cctggnggga	attnttgaa	ggatgaatgg	780
aa						782

<210> 1606
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 1606						
cgaggctgcc	aagttgtttc	tcggaaacgg	taacggtaac	aaaagcgcca	ataacaacaa	60
caataccact	aacaacaata	acgggagtaa	tggcacgcca	aanaccccaa	cgtntgagac	120
gcccattaaa	gaaaccccca	aaccaccaa	aactcgagca	gcacgcgggt	caacgaagcg	180
caaaanagaa	ccagagcccg	aagaacctac	anatatcaac	gggagcgccn	aaaagaacga	240
gaaccgacct	caggtcaagc	ggacaaaaac	cgaaacgccc	gtccctccgc	ctacgcaact	300
canattaagc	angggcccg	gccccgagaa	tccggcacca	gtgcctacaa	cagcgccccgt	360
tgatcatnct	gtggcataca	taccgagacg	cctgtaccca	taccattcc	tgctatatca	420
accagggggg	cggcaaagtc	tccaacaccc	aaccagttg	cagcgtaaaa	tactggacct	480
accaagcctc	tggtccttct	naagaagacc	ccaatccct	tgccgttttc	tgaangaana	540
aaatcggtga	ccccttgtgc	tgcccagngn	ggggaaaacc	cccaaaaagan	aaactcgggg	600
ngatgcnaca	aaagangacc	aagnaggcac	acnt			634

<210> 1607
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 1607						
cagacagaaa	cctcatttcc	tatcccctgg	acgtaatcgc	tccagtttct	gatttctcgg	60
ctcctctgaa	cgacaacccc	cgacgagcgc	cgcagagact	ggctaaagat	gtgacttatt	120
ttgccacagc	taagatgaag	gacagaatgc	ttcttttcta	taagcgcaag	gaagggtctac	180
atacgtcggt	caaggttctt	gagcccattt	tccaaaagtc	taccgaaaag	aagtcgagac	240
tctttgggtg	acgcaagaca	agtggaggat	ccgcagagac	attccgtgat	ttcgacgagt	300
ttttcttccc	aactgagtgc	tactcactga	gtctgttcca	aacgtacatt	gcagtcgcaa	360
cagccaaggg	agtagaaatg	ctcacactag	acaagaagca	accgatgtc	aattcctgat	420
ctcaaaagca	ccggcaatcg	ctacattgcc	agccgcatcc	agaatcaaaa	gcccgtngg	480
tatgttcaga	ctcaacgaga	atgaatttat	ngtggcatac	naagactgng	ccgngtccgt	540
nggccagcac	cgngatgtag	gccgccactt	atnattgggt	cacggccagc	agaagaagct	600
cgtggncgac	atttacggca	ggatntgntt	tt			632

<210> 1608
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)

<223> n = A,T,C or G

<400> 1608

cactcacact	tacttaccaa	atacccaaac	caaatatatc	aatatggctc	ccaaggttct	60
cgctggttctg	actagccagt	caaagatgaa	caatggcaac	cctaccggct	ggtacttgcc	120
tgagctcgct	cacccttact	acgacctcgt	aaacgcccgc	gtcgagatcg	tcactgcctc	180
tcccgaggc	ggtgaagctc	ccctcgacca	aggctccgctc	gagatgttca	aggccgatga	240
ggaatcagta	aagttcctca	acganaagaa	caatctggga	gcaaaccgcc	ccctcaagga	300
attcctcgac	aattcctccg	aattacgaag	ccattttcta	ccccggtggt	cacggcccat	360
gttcgatctc	gtccacaaag	anactttccat	cnacttatcg	aagaattttt	acaagntggc	420
acctgttgct	ccgttttcca	cgaactattg	tctttactca	gttcanaatg	atgaaacccc	480
tcctgaggac	tttaagctac	tggtttccac	actctnagaa	gaaaactntt	ggttgaatac	540
cctatnccgt	tctcctgaga	anaaatactt	ttggtggaaa	tttttttagg	ntg	593

<210> 1609

<211> 649

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 1609

ttcaactcaa	ctcttttagac	tacttttggtt	tcaacacaca	tacaatcaat	caactcctat	60
tcaactatcc	cttacataac	acacttttct	aaacacctcc	caactacccc	catcctcatt	120
caacatcatg	tcttcccaaa	ccactgctca	atacttcccc	aagatctact	ccctcacctc	180
tggtgatcat	gctcgctccg	tttacgacga	gtgggcaaag	acctacaacg	aggagatcac	240
aggcaagggc	caagactatg	tcggccctgc	cattgccgct	gcccattgtt	cccaagccct	300
aggaactccc	atcatcaacc	cagacgtcga	gatccttgac	gctggctgtg	gtactggcct	360
cgteggaaac	ttcctcgctc	gtctggggcg	aaagaagctc	gatggtgttg	acctgagccc	420
cggaatgctt	gaagaggccc	gcactacagg	agcataccgc	aacctggacg	tgacagacct	480
gtctcgcccc	ttgtctgcaa	agaatgactc	ttatgatgtc	gtgacgtgtg	ttggcactct	540
gacacagtct	cacgttggtc	ccgaggctat	cagtgaattc	gtgcgtatcg	ggaaaccccg	600
anggtacatc	tggncctgt	attccgtgaa	atctggcana	atggaggct		649

<210> 1610

<211> 657

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(657)

<223> n = A,T,C or G

<400> 1610

cctatgcctc	ccaacatgca	gccaatgcag	tatcagcaga	tgatgaatcg	cggaccgccg	60
cccatgaact	acaactaccc	tcccatgcag	gctggatatg	gtggtttcaa	tggccctaac	120
ccttcggttg	atcagtatcg	ccagcagaac	atgcctaacg	gaagccctat	ccagccacct	180
gtttcgcgaga	tgcttcagat	gccggctggc	caaaccccgt	tcgcccctcc	cggattcggc	240
atgggaatgg	gtaactacgg	ctacggaaat	atgggaaata	tgcccaacat	gggatacatg	300
caacaggagc	agggtaaccc	tagaagaggt	cgcgtaagac	aaccacagtc	tcgcaatgga	360
cagccaagaa	gagggggcta	atcaactatt	ttcagagatg	atcaagacga	ttgtagcttc	420
gcattgcttt	aagagaactc	aaccccgttg	ggccgatcnt	tgacanggtt	tttttctaag	480
ttttcanaca	agttattgaa	cacgacgcct	tgangaggta	tggnggtttt	acttggggca	540
atacaagcga	aaacacaaag	cgttcacaag	ggggggntta	aatattggtt	ngggccccgt	600
tttgcaactt	ttggatggct	tggncctttg	gtttcccccc	tggtgnttga	tttttg	657

<210> 1611
 <211> 468
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 1611
 cggtcccgt gctcaagact ttaaacagat cctcgacgca gccggtcgtc aggccagct 60
 tgaggagcgt cgccaagaga accccaacac accttttgtc gcaaactctg gcttcgaggt 120
 tgaagatgaa tgtcttgana agcgtgtgtt ttaccgtgtc atgtcgggaa tgcacgccag 180
 tatcagcacc catctttgnt gggactttnt aaccagacta cgggagagtg tctccacct 240
 gactgntcca acaccgtntt ncaaattccc cgaccgtatt ggaacgtnta cttttactac 300
 gcctcatgac ccgcgccatc gncaagctca gcccatacct tcagaaggag gagtccaagt 360
 tttgctggga gatccttttg aggatgctgt tccccgcgca aangtccttg aagtcaccga 420
 naaagcacta gtgttcccaa atntttgacg agagcctnat gttgtaac 468

<210> 1612
 <211> 596
 <212> DNA
 <213> Fusarium venenatum

<400> 1612
 atgagacagc gacagaagag tgcatacctc tcgaatggaa gccaaactctg gctcggagga 60
 aattttaagg cgcataaagt ggcattttcaa ttaatgacgt attgtcccaa gacgccgctt 120
 tgttggtctt atattacagt tttttataca ccgataccca aggcctttaa gtccccgtcg 180
 tcgcggaagg ccaattttac tttcatcgtc tgcaatgaaa aggcggaagc ttgctcgatc 240
 gctcggcacg ttgagcttcg aggttaatta gaccggccgc tactaactcg agggccgcag 300
 tgtgaatgtg tccagggcgg atcatcgggc gctgccact cgctattgtg cccttttagac 360
 cgctattgag gactgccgca acgccaggga gcgctggggg aggtcgaaga ctggccttgt 420
 gtatctcgtc gagggtctca ccaaattgtc tctcgcccaa ccccgttctt cggatacgcga 480
 gcaagagact gccatgacga gtttggacat cagggggaga ctgcgaagggt gctgttgaat 540
 aggattagtg gtggcctcgt taatggccct tttaattgtt tgcaatggtg acgcgg 596

<210> 1613
 <211> 218
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(218)
 <223> n = A,T,C or G

<400> 1613
 agcgattcca cgacaagggt atcttgggtc tgaacatggt tggacatccc aagcatgcna 60
 caaangcctt ggagctcgga gttgatangg ttngcgctca angcggcgag ggaggtggcc 120
 atacaggaga cttingcaaac tcgattttta tncctgcggg tngccgacat cgcattaaag 180
 taccaccctc ctnttttnaa agggacnacc tgcgttgg 218

<210> 1614
 <211> 522
 <212> DNA
 <213> Fusarium venenatum

<400> 1614
 gttggatcgt ttgcatcatt ggcctcctta gcttcttcgt ctctgctctc gacaaaccgc 60

ttctgcaact	cccactcgat	gccatcgccg	ttctttttcac	cttcattgga	gctattgtcc	120
ttgctgccaa	gctgcgcgtc	gtcagctgtg	gagagataaa	ccctaaagca	ttgccaacgg	180
actggattgc	atggggatca	gcgagtgatg	agggccgatg	tcgccgattg	caagcaagca	240
cagtttttat	atggtttttg	tttgcttggtg	tatctggaag	tttattcttg	actatccgaa	300
atgcccgcga	cacctatggc	tctctccgaa	gcgccgcttc	aagaccatcc	atgtcacaga	360
tttcgtccag	tgtgtgatga	accatatggc	accaaggcgc	catactacga	tgggatattct	420
gtcgcacgag	aatgtcgcta	acgcgatcat	gggagcttgt	ggtcggatca	gcaaggctgt	480
accaaggctg	cgtgacactg	ggccaatcat	ttgggacagt	at		522

<210> 1615

<211> 324

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(324)

<223> n = A,T,C or G

<400> 1615

caggccaaga	agggcaagaa	ggataaggct	gancgtangg	ctgccaagaa	ggctcgacag	60
aacggcaatg	ctgccaatgg	cactagcggg	ggtggcagtg	acgaagcctc	tgacaacggc	120
tctaacgaga	acgccgacga	cgatgctggc	agtgatgatg	agttccaaaa	ggttcaagcc	180
gaggctgctg	cagccgctca	ggagaacgaa	gtcaaggagc	acgaatgggc	tgttgatatg	240
agtgaggaag	ccgtcaaggc	ccgtcaggct	tctctccctg	gcgagttcaa	ggcgaagctt	300
aacattggcg	atgatgatga	cgaa				324

<210> 1616

<211> 586

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 1616

gtttcgcccg	agcatcattg	tcctggcacg	gcccattggct	tttgtcttca	atgggtgtctt	60
gcgacctcac	ttaataacct	tccaaaaacc	tataattggt	cacccgccaa	actgcagcta	120
cacacaggct	tcttgctcac	acggaaatga	cgtgaacgct	tgcagttctg	tggaagtatt	180
caatagcaca	cccagtcata	tcgctagtag	ggtctcataa	tgaggcaaca	ctgctaacca	240
gcacgcctcg	atagcaaccc	tcaccagtac	caaacagaca	tggcccgtcg	taatgaccag	300
catcaatttc	agcagtacgc	tcctcagcct	aatatggcac	cgcagcaaca	gcagcccccc	360
cagcagcaac	aacatcaccc	ggcacctggt	caacctccca	tgaatgtccc	tcagcaaccc	420
cctaattggtc	cagtgcgcgc	tcagcaaaaca	cctacgccta	caccggctcc	ggcaggtcgg	480
cagcnaaagc	ggccagcanc	ttccgctgct	cctcctccgg	tcacagttgc	cgccccctgca	540
cctgtcactc	cctcccaagt	tcagccacct	gtggcagctc	cgtctg		586

<210> 1617

<211> 503

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(503)

<223> n = A,T,C or G

<400> 1617

<222> (1)...(600)
 <223> n = A,T,C or G

<400> 1620
 ctcttttgcgc ccacgtcaac aaggcaagca gtcaactctg actcgacacg ccaaggcctt 60
 ttccaacctg catcatttca cctccgactt cctctggcga aaaacacgca cgccttagc 120
 gcgtttctcct tccaaatcta cgtcgacctg tcgctactca taatctgtcg cagcggttct 180
 ccccgacac ttntcttcca tcgatcgcat tagcaacttct actctgcggt acttattagc 240
 ttaagctccc gctacatcga atcctgactt gtttccgctc gcttattatc taccgtatcg 300
 cgacatccaa aaaaaaattc agttcaaata atacgattat tcacctccta tcaacatctt 360
 cgcttcttct aaatccattt catcatgttt ttcttttata acttggaacg taaggcacct 420
 tgcacccttn tttnatgggc cgcaacatgc acgagctcgt gacgggcaag ctctgaang 480
 atgtcgaagg cacatgcgct ggcagctact tcatcatttc catcatggat gctttcgaaa 540
 tttccgaaag gacgaaatnc tcctgggtctt ggtttggncc anttactg ggganattcca 600

<210> 1621
 <211> 467
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 1621
 ggatgacctt atcacaacca ttcattctcaa tttattatta ctaccattcg ccgtcatggc 60
 ttcttccctg tagagcgtca cggcttttgc tgtgactcga ctctcctctg gaacctgocg 120
 aaacatggcg gggaaacaac ctgggggatg gaagacgccc ttgactctca ataacgacac 180
 caatgactca agcttcccgg nctccaacct actgcgagtc cggagggtcaa taacaaaatc 240
 gaatatgaag aattacaaca gaacgagatc cttgccctcg aggctatcta tggcgatgac 300
 tttggtaatg cattcgggaa cccaaagngc ctggaagaaa accgaaccac actttngaca 360
 tacggataaa nggcatttaa aggatgaaga acttggnntg gnacggtnga gctttngnaa 420
 tggactgcna cctatcccga aaatcccnac ttttaataaa ccttgaa 467

<210> 1622
 <211> 608
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

<400> 1622
 gctcaattcc ccgtccaatt gaccagcgat agtgctcaag cctgaaaggc actgctatca 60
 aaaatgagca gggcactttt ccgctccatg ctggagctcc gagctcccag cgcccgatct 120
 tcggcccccct catctctact gccgattcga acccgcgctg tcaacaccac agcgcccatc 180
 atcgagcaaa cgttccctga gcgtcaccac aagaatgcgg ccaatcctac tgccaaccag 240
 ccccgacctc tagctctcaa agtcagccat cccaatccac ctccaaagcc catggacgac 300
 tctgtcaaga cccttctacc attcctggcc gctcaaccgg atcattatat caccgttcat 360
 gtccacggat tcccgtaact tgtccgggag ggtgatcagg tccgtctgcc tttccgcatg 420
 cccggtgttc aacctggcga tgtcctacgg ctcaaccgtg ccagcgtnct cggtagcaga 480
 gattacacca tgaagggcgc tcctcatatc gatgagcggg tttttgagtg canggctacn 540
 ggtattggaa caagaatctg agcctctgcy catcaagatc aagaagaaga agangcagcg 600
 aaggatga 608

<210> 1623
 <211> 510

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 1623
gcggggcaca aagctccccg catcaaaaca acatgcggag cttccatacc atccgagctg 60
tactactcag ctgggggaaag tgcattgttg ctcgttacta tccccaaagg aggtaaacia 120
ttgcaacggg agccaanctg cagtcttaac tatgggtgac acatccaatc tctccggccg 180
ggactacgcc gttcaattag actccgatga tgttcttaga catacccggt acgaattcaa 240
tatcccatcc aaagccgatg tagcacgcaa aactctccct tcgggcnaca gcacagacgc 300
gaacgataaa gctatatacc ttgtaggcaa ctctcttggt cttcagccca agcgacgcgn 360
gaacggattc agcagtactt gcaacattgg cgcaccaaag tgtccaaggg tcacttcnag 420
cccctggang antccctcta cgacttggtt agatgttgaa gctcncgcn ccaaataaat 480
ggccctantc tgggtnncaa ggtagcgag 510

<210> 1624
<211> 682
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 1624
caaacctgca ccntatttca ctacacgaac acttcgaaca atggcttcag ggcagtttc 60
cgttcctcct gnaaagtacg agtttcttgt cgtcgttcat gataanccca atatgcttga 120
naagcgactt gaagttcggg gacagccttt tgaaaacatg agtcctgatg ttgagagtgg 180
aaactggaag atgggaggtg ccacccctca ctctgttccc aaagacgata gccctagcag 240
tctggatttc gccggaagca cacttgcttg catcgccgat tccgtagaac aggtgcgaga 300
ggcattaaag aaggatatct atgccacttc aggtgtttgg gatattggaca aggtccaaat 360
atatcctttc aaggctgctt ttagattcaa ctaatcttat ttctaattct ctgattgaac 420
ggtgcgttcc aaacttnaaa agacgcagta accttcccag tatgaacccc ataataccatc 480
tattatgcga tactaaggc cgtataatgg atgacaatat tatgccccag tgatcgtata 540
atcgntgaca ttttattttt atattattgg tcttatactg caagattgct gtgctttaa 600
gatgcgcttt ttaaagattg aaaagtcggn tagattatca tacttaaatac agcaatagtt 660
aaagcaaata atcagttaca at 682

<210> 1625
<211> 337
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

<400> 1625
tgccctcca cctcctcctg gtgctcctcc tggactgggc gacattaatg ctttcatcca 60
gcagtatgct ggtgcagcac ctccccacc gccgccctct ggcgacgccc cgccaccacc 120
tcccagtgat cagcctcctc cacctccacc tcccgggtgc taaacgaggc aagaccagga 180
tatccaaggt tggaagcttc tgacaatagt aaattctcgg ctaggggcta aagattgttt 240
gtcaaacggg atattaggaa agggaataag cgatcgtttc taatgtggca gcgactaacc 300
agtacaagcc aagcttggtat ttcacttggg ccttttc 337

<210> 1626
 <211> 679
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 1626
 gcagntcatg tgtcaaccag gacacaaggc aaaggaactt tgacactttc gcgttgggtg 60
 atgtccgacc tcaagagttt ttttaattatg aaacacatct cgaagtccag tggaacgata 120
 accacagaag cattcatccc tggaaatggc ttaaagtctg gttcgtctggc agattcacia 180
 aggagctccg tatagatcag ccacacgaac tatggggtaa agccatcgca aagaaccctc 240
 caacggtcga ctaccgccta ggagccgagc agatcatggc cgatttgaca aaaaacattt 300
 gggttcatgg tttttgtctt gtcgaaaacg ctgagccgac cgccgaggca acaaaggcct 360
 tcttgagaaa gatcggaaca atccgcaaca ctcaactacg aggattctat gattttatcc 420
 cagaccttgc tctagccgac actgnttaca cgaacattgg tttccagca cacaccgaca 480
 caacctantt tagcgagcct gntggcctgc aagcctttta ctgttttgcg catgaagccc 540
 cctgacacaa cccaaacnac cattgggggg ngagtttttt ttgggtcgaag gtttcacccc 600
 tcttaaattt nttgnaacaa gganncccgg ggaatcttat taatntcctg gganaaactn 660
 aaaatccctt gggatgccc 679

<210> 1627
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 1627
 ccaaccgga aggacctct tgcaccgct ttcattccga acgcccggcaa ggctcaggga 60
 ctgcaggagc ttattgcccg tcgacaaatg tgggatgcc aacagaatag gcagaagcac 120
 ccgattttatt accaagagac cctacagtca atgactccta aggacgagca gcaagaatgg 180
 gtcttttgata cagtaaagtc ggtcgcgccc ccgcccgaaga ggccaactgt caagcagcac 240
 cggaatccat ccatcttcaa cgctgaagag gcgatgaaga agttagatgt taaggatggc 300
 cctctcggtg ggacctctcc tgcacctggt actgttcgaa agtcgactgt ccgccgatcg 360
 tcgcttgctc agagcaccac atcaatgcga tcgagtggct ctccccgagg gtccnttccc 420
 cccaaganac ctcttcagac ggacatgtcg tttggaaatt cgggatcgac tatgcgcctt 480
 ttcnaanaa tcccttctga cagttcaagt cagggcagcc gaacgacttc gtcagannat 540
 gtcttctgtg acaanaatca cattcttcca tnaacaactc ctgttgaacc 590

<210> 1628
 <211> 545
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

<400> 1628
 gtacacgaaa aggataaccc gaaaaattgc ctcgaaacta tgataccata agcatcgcaa 60
 tcattttcca gccagccca gcgcatcatg tcctttacca atacgcccgt gacccgcctc 120

ngtgtgggtg	gtcttgctgc	cggtctctatt	ctaaccagtg	tcctcgacgt	caagcactac	180
ttctacatac	tgatcgatac	tcacatatgg	cgctaccgcc	aattctggan	gcttctagcc	240
taccactgtg	ttatgttnac	tcaaccgaag	tcctctttgc	tgccatgtcc	ttgtacaacc	300
tcagaatcgt	tgaacgcatg	tgggggtctcg	caagttcgtt	tccttcctgg	ctgtcactta	360
ttcacacgtt	catcattcca	ccaatcgtct	cgatcgtgct	gcgactctca	ctgccggant	420
ctaaantana	tcccggcngg	cccactccca	caattttggc	ancctggctc	attacatgcc	480
atggttcncc	tatttcaata	ccaattgcac	ntctgaacac	cncaaaaaac	ggcatcntgg	540
gaata						545

<210> 1629

<211> 548

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(548)

<223> n = A,T,C or G

<400> 1629

acgatacatt	gacactatca	ctatatcaat	tgacctcgcc	tcattctctcc	aacccaactc	60
accgccacca	tgtctctngt	acttgagctc	cccgtcgaat	acggctacgt	tcttggttgc	120
gctacatcca	ccttcttcat	caacaccctc	caagttgtcc	tcaccagcaa	ggcccgcgaag	180
cgaagtggtc	tcaagtaccc	tatccctacg	cttcaacgac	ctcgtcgaga	aggacgccga	240
ggcctacaag	ttcaactgcg	cccagcggtc	gnacgccaac	ttcacagaga	accagatctc	300
cttcttgggg	gctctctgat	ctctggctgc	gctaccccg	tgccnttgct	gtcctcggtg	360
ctggctgggg	cgcttctcgt	gtcttntacg	ccattgggta	ttctgctggc	ggcccaagga	420
cgcattgggtg	ggctctattg	ctctaccttt	gcgaagtgtc	gctgaagnca	tggccgncta	480
cactctatca	tgtatgctat	nggtaactga	gttgacgtac	cacaattgaa	tataataatt	540
gggttccc						548

<210> 1630

<211> 630

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 1630

gtctaaacat	ttcccccttg	ccagcatcaa	cccctctctc	cctctctcaa	caataatcaa	60
gtcgatactt	ctctcatgac	gacagccacg	gctacggcga	ccgtcgaccc	cgcggcgcaa	120
gcgcaccagt	ttccccctcc	taaaatcctc	gagtaccccg	cgtaaccccc	gccaatcctc	180
atcacacaag	gtgccgaggg	tcgtctctac	aaaagcactt	atctggttgc	ggatattccc	240
tgcgtcttaa	agtatcgacc	tcctaagccc	tggcgacacc	cagttcttga	ccagcgctt	300
acgaaacacc	gcattctctc	agaggctcgc	attcttgcaa	aagtgccgnc	gcgatgggtg	360
ccgcgtccan	cggnctacgc	tgtanatgaa	ctgccggctg	gctgatgctg	gaatggatat	420
ctggaggact	gtcgtaagaa	catcaacgag	agattgggna	acaggacgga	ggnatngaga	480
acgaacaana	gtgaaggatt	natgccagaa	ncggnaccgt	tttggnaggt	tgccaaagtg	540
gnattgttac	gggacttgnt	caacaaaaga	ggtggagctt	tggttanccg	nagaanccat	600
ttttaacgg	gagtngttta	atgacnnggt				630

<210> 1631

<211> 810

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(810)
 <223> n = A,T,C or G

```
<400> 1631
cccaaaaccc tcaatccgnc catctccatc tccccggagt caccccaatt gagcctctac      60
cagccattca aaatgctcat ccaactctct agggctacgc gcgctcgctc cgccgttgcg      120
gctgtttctc gtgtcgccag acccaatgcc gtccagggtga ggggcttcat tgctcctacc      180
gtctccagga aagccgactt cgtccaggag ctttacctca aggagctcaa ggcttacaag      240
atccccgccg tcaaggagtc cgatgccgag ggcaacgtcc agaccttcag cgttcccaag      300
acccccactt cccccgagga gaccgacctt gccggcaacc tgaaggagta cgagagcatg      360
gctgttgaga tcgaagggtca agaccctccg cccagactgc cgggtgcccc aagggttgctg      420
actggcttga ggccgaggag gacgaggagc ctcaccacta agcgggtcttt tcttttaaac      480
tctccgttac catttgangg tggttcataa aactatccgt accgcagcac attttgaggg      540
tgtctcattt ctcaccgctc anctgccgct actcggggat agaaaaagag ggagggtgta      600
taccaaactc antccgggga tgaaaagccc gggatgcgac cagnaaggac tgaacaagtg      660
gattggggac naaaatcctg gtgtncattt ttcctaaaat acagccttcg gttgcctgta      720
ngaactaatt gcgaanggcc aacgttaaata gagcntcaag caatctttta ctattcccca      780
cccaaaaatt cctgcggggc gttcgacatt                                     810
```

<210> 1632
 <211> 678
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

```
<400> 1632
atcatctcat cttctcaagc atctcaacta ccaaacactc ttcaactcca acaaacaact      60
ctctccaatt ctcccacaca caaacaacca accaccatca aaatgaagtt caccacctct      120
ctcttcgctc tcgctgccgc cactggcgct gtcgctgctc cttctgctcc cctcgacgcc      180
gtctccatga tggccgctgc tcctatgtgg accattgagt ccatgcagcg aacatgcgat      240
aagcccgata ccacttgac ctggaacttc aagatcaaca ccggtagcgg tgccgctacc      300
ccctgcaagt acgtcgtcaa ggcttccaag agtgccctctc aggccaacgg cggccctgcc      360
aagtgcggca ctttcacat cacctctggc tggagtggctc agttcggtgc cggcaacggg      420
ttcaccactc tgtctgttgt cagcagcaag aagcagatcg tttacccaag ctacaccgac      480
aagcacttgc tgggtggcaag gttgtcaagc ctgacaaaag taccacctgc ttctctccct      540
taagcgatgg acgaatttat ggatgacgga ttaatgggct ctgggggttg ggtggcgata      600
atatctaata ctcaatatct aaacgggggg gataatgtat atacaatcac atagatgacn      660
aaacatcacc ttatctgg                                     678
```

<210> 1633
 <211> 153
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(153)
 <223> n = A,T,C or G

```
<400> 1633
cggtatcatg aaggatgtca ncnegcttat ccncctgccc gaactggcng ggaccatgca      60
agaactgagc gtggagttga tgaaggcggg cgttatcgna ngagatggtc tgacgatgta      120
cttcctcgga cgggagacat gnttatggaa tat                                     153
```

<210> 1634

<211> 625
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

```
<400> 1634
caaaactcttt acttccctcc aactacatca tcaacctcat ctcgaccttt tgcttttaca    60
ctttgactac atccttcaat ctaaagtcga caacacatac tccctgcctc atattcacct    120
cacctcctca acttatacaa aaatgacagc cgntatggca cagccgactg ttacagtnaa    180
agatccctct gcagtgcgaa agcgcaaaaag acgtgcccct gccgggtggcg cctctgatga    240
ttgtttctct tgnccaaga anaacatcaa gtgtgaccgt agacggccat attgctccca    300
atgtctcgag gtcggcagtg aatgctccgg ttataagaca cancttactt ggggagttgg    360
cgtggccagt cgaggcaagc tccgaggcct gtccttgccc atnggaaaag ctcctcctgt    420
tcccngagc ccaaaaaaca ctcaactggg ttcttaagat ccagctnttt cnttgcacnc    480
atggaacaag angacgagac gagaaaaatg cccagggncc attgatnttt ctgccgngac    540
tcaagtgtt ncgttctacg acgcctttta ccatgggagg atcgactcct ntntttttca    600
caggntgngc atgcancccc tatcc                                     625
```

<210> 1635
 <211> 755
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(755)
 <223> n = A,T,C or G

```
<400> 1635
ctcgtgcccc catgcaacag ccttatatgg cccagcctga ccaacaacct tacgggtgcct    60
atcctcagca tggatatggc tggcctcctt cccccgtgc tactcctccc tacagccact    120
acgccgctcc ttacctccc aatgtccctc aacaatacct acctcacgct ggccatccag    180
gcctacctct tctcactac ccccaggcac ctgtttacga gcaccgtggt gctcctcttc    240
ctcttccctt aacggccaag tctcctcacc acccgcatat ggctcttccc agagcacacg    300
agtccctctg cgagcaacat ctccaggcag ctgcacaaaag cgccatggtt gatgctcgac    360
ccagtgggtg ttcacacact caccaagtag ctctaccaag tctcggggcg gtgaccaacg    420
gtccccctgg ctcgtccttg gcagcaatca gcacacctcc cagcagaacc atgagtgtta    480
gccccactcc aaactctcgt tctgaagtgt ccagtctctc tacccttcac gcagtgttc    540
atcatactcc cgccaagcaa gcgaaagtgg taattgccaa gcctgggttag tgccgncagc    600
agcctagncc tctgntgctg cggttggaan aaggtggcgt tagcgaggat gccaaaaccc    660
tgaaaatgtt ggatcgcaag gtctgcattt taaaanaagg acanggcag gcgtagtccn    720
tngaaaactc gactccatga tgattcgaaa atgan                                     755
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<210> 1636
 <211> 763
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

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<400> 1636
cacgaggttg aatttctccg gacaagacga tggatcgtgc ctcgtatcgg cgatattatg    60
gcacagctag tgggtgcact aaagtctgta tcttgtcagc agccttgtca ggcaagcatt    120
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tgtctttgat	gataaaaggc	atctcttgtc	cagctgttta	tgtttttgaa	tcatctcatc	180
tcatctcatc	taatcacact	ctcacaacaa	ctctcaactc	tcttcatcaa	cacttctcac	240
tcaaacacaa	aacaaactat	caccatgaag	ttctccgcca	tcaccgctgc	tgctgccctc	300
gtcggcgctg	cttctgccgc	caacaaggcc	gtcgtcatca	acgagtgtga	cactgccatc	360
tacgtccagt	ccgtccctct	caacggcggt	gctgctggtc	ccttgaccac	cctcaagcct	420
ggtcagcgat	tctctgagga	tctccgcact	cctggctcta	ccatcaagat	tgccgacacc	480
cgaactctca	acaagcctct	cttcttcggc	tactcctncg	acgccaaaca	cgtctactac	540
gagctcaaca	ctgagtacng	naaccccttc	gncaacaagc	acaacatcct	gaaccctggg	600
gatggctggc	caagaaaatt	tcgaactggc	nanggctggg	ccgaatgccc	aagtgggcta	660
caagccacac	ccaagcaggc	aaggaaaaaa	ctaattgggtg	ggccctaacc	tgggtacccc	720
tttatgctta	agaattggng	ccaaataaaa	aagggggggg	tgg		763

<210> 1637

<211> 126

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(126)

<223> n = A,T,C or G

<400> 1637

naccgccagt	ancgcacgcc	ccttancatc	ttcttctcca	agtctctcct	ccgtcaanct	60
cttgctcaca	gcgagattga	ngnttcaactg	nagaagaacg	ccngattcca	atggatcatt	120
cctgac						126

<210> 1638

<211> 644

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(644)

<223> n = A,T,C or G

<400> 1638

cagtgtgctg	ggaatttgca	aaagcttccc	aacacccctc	tgaccactcg	ctggcttacc	60
gaccgcgaga	agcaactcgc	ccatgagcgc	atggagaagg	acaaggtctc	tgactctgaa	120
gagggcggtt	catcttgga	gggtctcaag	caggcttgca	aggataagcg	aacatggctt	180
ttctgtctta	tgcagaactt	ccatctttct	gcttgctctt	tcaattcatt	cttcccact	240
gtcgtcaaga	cccttggtt	caacactacc	gttacacttg	ccatgacatg	tccacctttc	300
atctttgccg	gtgctgcggg	catcttcttt	ggttggaact	cgggacgcat	gcacgagcgt	360
acttggcata	tcaccgcggg	tctttcggtc	gcategctcg	tttcgctctc	gccgctgcga	420
ctctcaacac	tgntgccgat	acgtcgcttg	cttcatcttc	cccatgggtg	cctacgctgc	480
aactcgtcat	cattggatgg	gcgtcttcaa	caactgctcaa	accaangaga	aaaaagctgg	540
tggtttggn	atgaccaatg	ttggtgggca	ganccgggtac	atntacgggg	cctacctntg	600
ggccaagagc	gactcttccc	gatatgggaa	ttgggttcgg	ngcc		644

<210> 1639

<211> 409

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 1639
tcaatcatgt tcttcaagaa gctgctcact tccgctgcag ccctcacagg cactgcgctt 60
gccagagca aggcaggcgt cgaanacctc nacaagcccc gcagagacct tttngaaaag 120
gacctctcca agtggtcccg ctacaaagcc acaaagcact gggagaccgg atctggcttt 180
tacgtgacc tttccctcgn ggtcangcct gtgatgttta cggaatcgat ctgcctgact 240
gaactngagg ttgaatatta aaccgaaacc gantgtttgt naanatttgn atacnaacaa 300
cactgtanac aagnccaaaa gacttttccn ttcgncgggg ctcgacnggg gtttccccaa 360
aaactggggg taagttaggat ttanggggnt ctttttttta cttttcaag 409

<210> 1640

<211> 591

<212> DNA

<213> *Fusarium venenatum*

<400> 1640
agatcagtca tatttgaact tcaactcaata tttaacccat tgcattgttc gtccagtctc 60
ggcgctagac atgggacaaac agcgaagtag acgatggcgg tgctcacaac acaccagta 120
cacgcaccta tgcactccat aatagacgtc gaccttgtga tcaatgccgt gtccgcaaag 180
ttcgatgtca aatcgaggat ggcaaaccgc actgccgtcg atgcgcgcag tctcagactc 240
aatgtagttt cgaagggcga tcaagacgca cgacacgaca gagtaggact agatctgtct 300
ctagcagtgc tcattcacta gctgttaatc atgtcccca tgatgatacg ttgggccttg 360
acaactcggt cgatatagaa catgtttcag ccgaacaaca cttggcgtct gatggaccaa 420
cgatattcgc agccactcct tcggtgttcc cgcacgaaac cgaagccccg tatcatcaag 480
caciaaacact tggtagtgtc acagcttcaa cgcagctgca attctcaagg tcaactggatg 540
atatacaggg acagacatca atccttctgg ggatctcctc cgaatcgatc c 591

<210> 1641

<211> 612

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 1641
agaggtcatt aaagaaccct agcgaacatg tcgataaagc acaattctac agtccttgtg 60
gatctgggtt catataaact cgaggtaacg gtccacggctc cgccccgacg cgcccacaac 120
ccgattgtga tcatcatccc cgacataggc agcagtatca aanaatggac cgtcgtcacc 180
aaaatgctag canattccat ggntgnggtc gactacaaac gtgccggata cgggaaaagt 240
gaatatattn cttngggaga ctcaaganca cctgcggccc tagctatgga actacatacg 300
ctcctacgag ctgnnaaaat cgcaccacct tacatcatgg tttgcactct cngggggcca 360
gcatctgngg gaatttacia agtganaaac ctgcccattt caagggtttt gtnnttgnng 420
acccaaaact gggccatttg atctgtntgt caacccaaac tttcaagggt tgatcntaaa 480
antgngcttt ggaactgtat cnttaatcaa tcggcttgga agcttttttg acaaaaaggc 540
tngggcggtc attaancccc nctgaaggga anacccaatc ccggtcgggg naaaaanttt 600
ttttngggcc ng 612

<210> 1642

<211> 625

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 1642

gtggagaaaa	gttctggtac	gctgttggt	gagcctgttg	cggtggtggt	gagtttggct	60
gctgatattg	cccttgataa	ttggtttggg	gatatcgagg	agcttggctc	tgctgggtact	120
gtgacggggg	cgtaggtcgg	ctttgttgag	gttgttgcca	tggttagct	ggctccattg	180
acattcggtc	catgagccct	ctcagtcctt	cgcgtccat	ctcagcctgc	gagttcttgt	240
tggatgacct	ctcctgctca	atttggttga	gcagttgcgc	tccttccgat	ctacggttat	300
tgacgaagct	atcgacgttc	ttctccaagc	tctccactgt	ctcgcgcac	tctgcgtacc	360
agttcttagc	actttgcaga	cctgcgacaa	gatcgagaaa	ctcctggtaa	gctcgcttat	420
atcggttgat	aactgacgat	cgttgtcggt	gaataagtct	cgtatttgct	ctgttccgac	480
tgaactcgct	tgtcctgcaa	caagtcgggt	gaatgcgctt	gtgagctcct	tcacaaaaag	540
ctgactgctt	gtgattcgct	tgcaaaaagtc	ggtttttggg	gaagtcggaa	cttttccaat	600
tcctgctcaa	acagttgcgc	ntctn				625

<210> 1643
 <211> 443
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 1643						
caacaattca	acagaaggtg	gtttttctta	taactatcta	tcaattagac	aaacctctct	60
attgccttca	tcattgtttgc	tctcagacgc	acaatggcca	atatggcacc	tcaagcctca	120
tccagcctca	agcaagcagg	caaggtcata	tgtattgggc	cgcaactttg	cggaacatat	180
tgccgagctc	aacaagtgc	aaaccaaang	cagcccttnt	tcttccttaa	gcccacctcg	240
tccatcgngc	tccttggng	angggggctg	cctgagaccc	angggcnttg	agatgcacta	300
cnaanttgag	ctggctttta	tatnggaagc	tgactnga	attaaagcct	tttgatgttc	360
anggtgttat	ggatgctgaa	aaggttaccn	ttgtgccatt	ganttacc	ccgaaccgct	420
aaaaagnggc	caaaaaaag	ggt				443

<210> 1644
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 1644						
tcaaaatcag	gaacacacta	gaccagaccg	ataccgtccc	catcgctct	gcttccgcct	60
ctagtaataa	gaaggctcgt	ggcccaggtc	ccataccgag	gcaatctggt	ccttccctgc	120
tgacccaagc	cttggcttct	gcccgcggtg	ttacaaacct	caagcagtca	aaatccttct	180
ctccctcaac	caccactaca	actactacaa	ccatctctcc	tgtcacctca	tcctccacca	240
caacccttac	aactacttct	gttcctgggt	ttcgacagtc	taacctaaac	aagaccgcct	300
caccctcagc	gactatctcg	acttccacct	cgcccaatgc	gcagttgagt	ccctcttcat	360
taacaggacc	accaacagca	ccagcgacgt	tcgcttccca	gtacgaccgc	gacagcgctt	420
nctatccatt	cgaatctatt	catcacaatg	tcccgcctcag	cgcaccgntc	ctcgaccggt	480
aacgagagct	acctctgaat	ctatcaacat	gggatcattt	acaggcacca	caatgacgtc	540
gctcgccctc	tgcgaggctg	cgagcgctct	tcatnctna	accactcaac	tcttgntaca	600
cttcgaggcg	ctcttganca	tt				622

<210> 1645
 <211> 610
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 1645
 taccactca atctatcagt tgcaaaaaca cacaaactac atcatgtctg actcagacgg 60
 cctaattgag cctattgacg atggaggcga tgaccttttc ggcgacgagg ggcgacgacga 120
 tattgtacct accaaggagt cggtcgatga agatgacgag ctgcgctcgg acccagaagg 180
 agacagctac gcgcggtacc gcaacgacga tgaagaccaa gcacaattag agactaagga 240
 gcgtgctgtc caaactgtca cgacataccg gcatcgagtt cccaagccca aagacggcgc 300
 gttgcgagtt cttcgcgttc ccaagttcat caaaataatg cctgaagagt acaaccctga 360
 tacataccag ccaagcgaat tcgatattgc caacgccaaag gctgaacatc ccaagcacgt 420
 cgcccgagtc cgaagagatc acagcaccgg cgagctgaaa agcaacacaa acgtcttcca 480
 ctggagcgat ggatcagtga ctatctctgt cgggggagag cactacgaaa ttaacagaaa 540
 ggcgctcgca ccaccaccag acaagcctta taacgaggtc cangatggcc actactacgc 600
 ttnttgncgc 610

<210> 1646
 <211> 637
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

<400> 1646
 atagtcaaca gctttgacct ccattccgaac gcaaaactcg acaaaatggc gaaagggttca 60
 aaaggcctaa gagcctcgtc taaggcagta gacccacccc tcgatgctct ttttgcattc 120
 agtgccggcc ctgtccaagc tcccaccaag tcaagatact cgacattgtt agaccagaag 180
 gttcgagaac ctgccaagcc caaggtgcag cttgaggagg acgatgaggt tctttccgag 240
 atcagcgagg aactaagctt cgaagaagat ggtccttctg atgaggacga ggacgaggac 300
 gattctgagc aagaggacga aagcggagac gaacaagaaa aggaggacga ggaggagagt 360
 gagggcgcag acgagcccat gaaggatgag cctgtcgcgc tcgacgacat cattgatgag 420
 acagaagaca agtcaaacaa ggagcgaaaa cgaaagcgca agaaggacaa tgacatctgg 480
 aaagcaata tcttgacaag atggctgcan aggaagaagc tgancgtgcc ggcaaacgac 540
 agaaagaacg acgctctgac caaagactga caanaagtct acagcccgat ganggaagat 600
 gctggtaacg aaancgatat tcctgtccat gagaaat 637

<210> 1647
 <211> 608
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

<400> 1647
 ccaattggca agcgtgatat tgagcgcatt ggcgacagtga ctatttctact tgtttaagca 60
 cctgcgcac gtcacacctg cactcaacac gttccctatt actcctcact tgcacaatat 120
 ctttcgcgct tttatagccc ctccataaat aagcattatc accatgagcg gcttcattcga 180
 ctactccaag actaccaagt cgaagaacta ccatggatct ggttcttttg caacggttcat 240
 gattattgcc cctgtgtgct tcttcctggg tatecttttc gcgtcgtttc cttacgactt 300
 ccctctcctc tggaccaagg cccctgtgcc cgacaacttc ttcgaccatc tcgagacgca 360
 tctgaagttc gtgcaccaat cccccgcact catcaagcgg cattctccac attgtcattt 420
 ccacggggtt tatcggttc ttaatcaagc tcttcgcggc agcgaggcca acttcttttt 480

gangggcgc	at	ctctcatcct	ctacttatcg	gcttngngt	ctacgttgcc	aaacattgnc	540
aaggcttctc	cgaagcgta	gccgccccaa	tntggactaa	cgangggatt	cgacgggnaa		600
aaccacg							608

<210> 1648
 <211> 546
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(546)
 <223> n = A,T,C or G

<400> 1648							
gaggaattct	cccgcaggc	ttcaatggaa	agtgagctca	gcatccagtc	atcactcatg		60
acgccgcca	agcaagacat	ggcttcactg	gctaaaggcc	aacttggctt	catgaacctg		120
tttgccaccc	cgctgtttca	gggcgttgcc	gatatcatgc	ctactatgca	gtataccgtc		180
gacgagcttg	agatgaataa	gagtctcttc	gagctgaaac	ttcaacaaga	gaaggaaaag		240
cagccgttag	acgatccggt	ccgaaggcgt	cttcttaaag	agggtagatt	ctcgccgaga		300
actatgagct	tcgcggtacc	ccaagaggag	gaaagggagg	agagaaagga	catggcgccg		360
ctatttgaag	cactagaccg	agcatcggac	acgacaccgg	ttggcaatgg	tgagcttcca		420
atgccacgtt	cggagancga	agaactatcg	ccggccgata	tcagaagaca	atggggccat		480
catccgtgaa	tggtgcactg	tanaactaaa	ggtctgatgg	atcatatcac	attcgacgcg		540
gtaga							546

<210> 1649
 <211> 418
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 1649							
ctctnctttt	gcatcatcac	aatatgctat	caaaanggaa	tcgccatttc	ctccctcgtc		60
ctcatcgctt	ggcgatggcc	gcatcgctcg	tggtctgctc	cctgcaggng	aaagtggcct		120
tgaggctatg	acctaccant	ntcctctaaa	actgatatcg	tcggctcctt	cgtcaagcca		180
gccaagtacc	gctgggtgtt	ctgctgtctt	atggaggcgg	tttanttgct	ggagacggta		240
taaatntgac	aatccacgct	aagccggagg	cgaaactcan	cattgctacc	caaggtcaca		300
caaaaatttt	taagtcgcct	acaagcagac	ntntgttaca	agtcaaaact	tggaggtcac		360
tatagacaac	aacgctttta	atgggccttn	taccaaacc	tggtcancct	ttgaaaga		418

<210> 1650
 <211> 410
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(410)
 <223> n = A,T,C or G

<400> 1650							
gacgcgggtga	cccttcatcc	tcgaagttac	acccgggtaa	ccgaattgta	catacaaatg		60
cggcagaatg	tctcaggcta	gaggcgctca	aaagtccagc	aaccagaac	ccggcaaacg		120
ccggactcct	tatgctctcc	gcgcagtcga	agcctgtcgt	ngtcgcaaag	gcaaattgca		180
tggacgtcaa	ccgtgtcgcc	attgcgcaag	ccgtnaccag	aattgcagct	acaacagcag		240

tttagaaaat	aatgaanatt	gncaatcaac	agcaccaact	ttggttgac	caaacatngc	300
tgcacccgat	caacatcctt	catogaatca	atcagggcca	cgtcagacng	atcagancgc	360
aattgtggat	atgctatcga	gtctacango	gcaattgaat	agtctgctgc		410

<210> 1651
 <211> 983
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(983)
 <223> n = A,T,C or G

<400> 1651						
atttgactct	caacaccaaa	tcttcatcat	cgtgatatct	ccgccgtggt	cccgtttact	60
tctacgtcat	agcctaacca	cgtctctttc	aacaaggaga	tccctgtcag	agcactgcac	120
tgagagtga	ccaggccttt	gtggaagaag	aaagaccaat	gaattagttt	cttgtttaac	180
tgctattgga	caccccccta	cttctgtgct	ggtccttggt	caaacaaata	tttttcttcc	240
tgccctcaga	ttgccaaga	cctgaagacg	aaacctaata	gggcattaat	aaaaaacgga	300
agaattgggc	cacgagccca	cgacttatat	cccatataac	tgaacctgca	cgaaccgtga	360
gacaagaaa	tcacaactgc	atttctattc	gatacactag	tgtccaatcc	tagtaaagt	420
agtcttggct	tccaagatgc	agcgtctctg	ctcgttcgag	cgacgcagct	ctgttaatca	480
gagaccatcg	ccaagccctt	caccaatccc	cacgccatca	tccagaaccc	gaacaccctc	540
accttctcgt	ggacgacctc	aatcattccg	aagtagtaac	aaacctctct	cttcacgacc	600
aatttccacg	tcgagatctc	gaggaaggct	ttcttcacga	tcaagttcgc	gctcaccttc	660
tcgtcgcaag	aagcgacgag	acgatcatga	ctacaatggt	cttttcaaaa	ccacggctgg	720
tctgttggcg	gggatcgggc	ttgacaccgt	catagcccac	aaggctctgg	caaagggcgt	780
tcttcatggt	gatcatgaag	antggganca	tcctcccccc	aagcatagcc	gggaaacagc	840
atcgacatcg	ctctcctgga	aacgctgacg	tgtnttcgaa	cgcaccacta	aacgacacng	900
cgacgttggt	catcacnaan	aaatcagccg	taaaagcttc	agaactgtga	naaaatgccg	960
cnagacatgt	naaggtgcng	cat				983

<210> 1652
 <211> 672
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(672)
 <223> n = A,T,C or G

<400> 1652						
catttcgcta	ttgatataca	gagattcttg	acttgagcgc	aagccatccc	accgccatca	60
ctaccacata	tcacttacac	caccacacca	cttcaaaatg	ggtttcggaa	gattcatcca	120
ctatatgggc	gccttctttc	ttttggcagc	aacagtgatg	ctcgtcgtcg	tgagcatcac	180
agctcctgtg	gttgaccaca	ttgctcttct	caaggtccga	tatggaggag	atggcgtcaa	240
ttatggtaca	tttggttatt	gtcaaatgcg	aagcgccggc	agtaatagtt	gctcaaaggc	300
tcgcacgggc	tatgacccta	ccgacgcttt	caacggcctc	gatctgtccg	agattggctc	360
tggcactgca	aaggccttga	cttatgtcat	gggtctgcac	cccatcggtg	ctggactttg	420
cttcatttct	ttccttttgg	ctattggcgc	tggtcatctt	ggctcgtctc	tgtcgactct	480
tattttccatc	gctgccttcc	ttggcaccat	catcgctttg	gcttgtgact	ttgtgtggct	540
ctccatcatn	cgacgacgaa	tcaaccgcga	cacctntgnc	actgntanct	nggtctggcc	600
gtatctggct	tggnccctgcc	gccgttttct	ttgcctaata	gcacaattgc	cgcttcataa	660
ctnntgggtg	gg					672

<210> 1653
 <211> 1750
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1750)

<223> n = A,T,C or G

<400> 1653

cagatgtgaa	ggcatcaatc	tgaacaatca	gcattttcgc	tgttcagatc	tctcatcttg	60
ctattttttg	ttacttactt	gatgcgctct	gaaagctgtt	tttcgaatgc	gccactggag	120
ctcagctcgt	ggaactgcgc	acacgccatc	gcgaacacac	agatcatttc	taatntaacc	180
cgacaatnca	taatacaaca	caccgctcct	attaaaataa	ccagggttaat	ccaccatgga	240
ctactccatg	tcttcaagcg	atgcttcgag	ctcgcgatct	tctagatcat	ctgctgctac	300
aaatgacccc	gttcttcgca	acacgttgcg	ttacaccatc	tcagcacacg	aatatgctgc	360
tctgcataaa	tacatcattt	cacgatcgcg	tgtgcttcgt	cgatcgacgc	cgacaccgaa	420
tcgctgggaa	aaggcgctga	aaccaccgaa	aggaggggat	gattataatg	ctaggacgat	480
tcgtcatcg	ctgagggtgt	tccgttatga	cgtttttggg	tatgaagggt	tgggatgctt	540
gttgccaaga	ggatgggcca	ngaaaaaatt	natgcgagt	ggcaaaagaa	acccttttac	600
aagtctccag	ctctgagact	gtctatttct	ctttctacta	ttcttctcct	ctacaggatt	660
cttttttagat	tctttacg	actgcgcttc	catctactcg	atccccaagt	ccagcccttc	720
cgttcgcgca	acccacgaac	tgcagcgatg	ctgacatcac	cttctgcgcc	agccatcggc	780
gcatctttcg	ctggctctcg	tttggtatc	ttcccagctc	agaagatg	agtaaccatc	840
gctatctaca	ccattttccg	tgctgtggaa	ttcgcataca	acttttgcca	agccgacggg	900
cttatctggg	gtagcaagaa	cggcgtaag	agggaaagac	cttgggtggt	tgggaagtgg	960
atgcttcaac	ctcttgcttt	cggacaactt	ttccacgctg	ctgttttcga	tcgggattgt	1020
ttccctaagc	catttgggga	tttgatcttt	aacagctcgt	cgggttattt	gcaatcgct	1080
cctcaggatt	gggcatctag	tcttaaatgg	cctcaagact	tcggagaatg	ttgatagctt	1140
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aggaagttct	tcctcctagt	ttgagtgc	tttcgccttt	gacttctcga	gcgcacccgc	1260
ttattacttc	tctgtcatgc	gcaacactac	acccgggaga	ccttcctggt	ctcgaaacct	1320
cctgacattc	tggttcaat	ctttccccc	atttgctcgt	ttcttcgctg	ctgtcttttc	1380
tgcacttact	gtcatcccta	aattttccgc	tctttaccat	aaccccttg	cgactctgca	1440
acgcacatc	accaaggcct	tgccgatg	aactttcgca	accggtgctc	tctctacagc	1500
ctgggcttcg	atctgcttct	tcagcaatg	gcttcctcgt	cattttcttg	caacacaacg	1560
agtgttcttc	gggtggtttc	tcgctggtct	ctgggctttc	gtttaacgca	agaacggccg	1620
aagtctctct	ctgtacagc	gcccgtacta	gcgtcaanag	cctctggaan	gtgggtgtta	1680
gcgacaatgt	ggaaaacatg	aanggtgggt	gactctgggt	ctttatgcta	gctcttaagg	1740
tcactggtgt						1750

<210> 1654

<211> 620

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 1654

ntgnccctga	tgtggtgggg	gctggattcg	agtcttgccc	ttctgaaaca	accaaacc	60
ttgcttcaac	cccatggcga	aacagtcttg	ctgnnttgac	ggcagtgga	actcatgtga	120
taagggtctt	tactgctctc	acgacaccaa	ggctcanacc	tggtgctgcc	ctgatgctat	180
ggatcttgct	gagtgngccg	ctgcgtatgg	cgtnaggat	ggcctcaaga	ccgagaggct	240
nttaaccacc	actgccacta	cgggtggtga	gaccacctnt	gccgagccca	ctaccactgc	300
tgtccccacc	accactgctg	tccccaccac	ttctgagctt	gagaccacct	nttctcaact	360
cgagaccact	tcgacaactg	tctacatcac	cagcacttnt	ntggcctcca	catccaccaa	420
tgctgccaca	actactgntg	cccctaccac	cgagcccggg	gttggttaaaa	ccacgacaaa	480
ggctgacgag	accaccatcg	gtgcccctac	tntggctaca	agcacgggct	ggagtgggtc	540
taacaagcac	cattgccaat	ggcgnccta	ctaaccattt	gagtctgccc	tggctntgtg	600

<210> 1655
 <211> 413
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = A,T,C or G

<400> 1655
 cgngacanag cttggccctc aggggtgttct tctgaccact atcctcggaa gagacgatcc 60
 ccgattaagg gatcccgact cggaagaata cattgtcgcc cgctcaatga gccacccaac 120
 agttgggtgga ctttacatgc gactattttc cgctgccgaa aagggtcaaa acatcgtttc 180
 tgtaaacggc gttgggtgata ctttcttcgg tgtcttgatc tctgggtttgg cgcagggagg 240
 gaaagtcgag aaccttatcg atgttgctca agcagggtca tgtttaactt tgaagtctca 300
 cgagtccgtt agtcccgact tgcaccgact ggaaagtgtc ttggcacagg ccgcagctca 360
 ataatctgat attatgtaga tatcccgat aaaaagtaaa tgcataatatt tca 413

<210> 1656
 <211> 510
 <212> DNA
 <213> *Fusarium venenatum*

<400> 1656
 tgcgagaccg cgcccgttcc gatctttacc ttgtcact cgcagccag tctgcgcca 60
 aactcctgg cttcggtccc aagtctccc ccctcagcgc ctatgccatg tcccccgtc 120
 atcctcccgc tgcctaccga aacctgtccg acatcagcga gaaccccaat cccaaccocct 180
 tcacgccagg tactcagttt gttgagcctc agtctcaatt cgctcctcaa gatactggct 240
 tcaagcttca agctcctccc atgaaggctc cctctgctac ccctaagctg aaccagtccg 300
 ctttcacgcc cactgaagct tcgctcctcg caattcccac cgttcacatt tccgaacacg 360
 gtcccacagg ctacagatgag cccacgtatg aggtgtccc tatccccggt gcatacacgg 420
 gacaggctat caagagtcca ccagccgcgc aaacatcctt tggccaaagc tactactaga 480
 ggggtgttcaa gattgaaaac gacgagcttt 510

<210> 1657
 <211> 397
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 1657
 ctcaagcttc catctcccaa tctccactcc tcaacgtcaa gatgctctcc cgcgccgcta 60
 cccgtaccac gacctntntg gtcaccaagc gaggcttcca gaccaccgc gctcgcatgt 120
 cctcccctta ccaactacct gagggcgcct acagcaacat ccccttcaac cccgcgagca 180
 agtgggttcgg cgttggctac tggnccttca tggccaccgg tttcttcgct cccttcggca 240
 ttgctgtctg gcagacctac aagccccagt aaatttgtcg ctgacggact gggtttgttg 300
 tttgattgaa anaacggaag ccttgccggcg gaanaatgtg gtgtacataa ccgaaatana 360
 catcagtcac tctcgacttt tnattcgaaa aaaaaaa 397

<210> 1658
 <211> 321
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(321)
 <223> n = A,T,C or G

<400> 1658
 gttgggttta aactgacatt atcagtgata cgtgcaagaa acggaaattg aaatgtgtaa 60
 gagaagaagg cgagcacgtc tgtaggagat gcgctgcnaa taacgctgag tgcgtctttg 120
 ctactcctgc cactactcac tcatcaaattg aaaataatga ccgttcgaca agacgggtcaa 180
 cactggagcc acagttngtc aaatcntgtt ttagttgctt aggaaaaccc aaaggctaata 240
 caaattggta gaccagatct tacatctctg aatcaacaag ttgctgcctt naaaaccaa 300
 ttaagcgctt taacaacagc t 321

<210> 1659
 <211> 825
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(825)
 <223> n = A,T,C or G

<400> 1659
 aagtctacca cattcgcggt tcaaacacac atgcgcgaca cgggccattg caagatccct 60
 tacgagaccg agcgagagca gctcgacatt ggagatttct acgacttcag aagcacctac 120
 tctgatggcg gtgatatgag tgacgaggaa tctgtcgtgg acgagaccag tgggggagcc 180
 aaacttgggg cagcccgccc tgctaagggt acgggagaag atggagaaga tgtcgaggac 240
 gtcgaaggcg ccgacgggtg ggaaacggat agttcagctt cgtctcttga ttcagccgat 300
 ctcaactgctg tccctgctga aggccatatc caccagtttg agcgactcga caagcaccgg 360
 catcattcat cacaagaccc aaggcagagg caccaagccg acggttgcca ttcgcatgcg 420
 cataagccaa cccgtgctgt cttctatgat gactacgaac ttcaccttcc tacaggaaag 480
 tctgttggcc atcgatcgct gaacaaatat ttccgccaga acctgcataa ccatccatct 540
 gctgaagagc gaacccgagc gtctggctat tgagggtcga aaagancggg cttggcaatg 600
 gctcggatgg gcaacttgn caaagagggt caanggccgt gaganggtgc ctctggaatg 660
 ggnngcattg gcaggtgcac caaaacaaca aaaacgacgt gctcncaggg caaaaaaaaa 720
 caaggacgga cgttggagcc aggtccncct taaccanaaa ggacttggtt tntggaaaga 780
 aacttcacca ntncacaaga ttctncttnc cggagcangg gggggg 825

<210> 1660
 <211> 373
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 1660
 nggncaagcc cccngccgga caaggcngcc aaacttngcc ngggcnaacc caaggagggn 60
 ggaggcgagc aaccaaaaaa caaggggcng cgcaacnggg actaaaggcc cgnaacttng 120
 gccgcccann aacaaaccaa gaagggggccc tccngaggcc caaaaacgcc gggggggaan 180
 ggagnaaaag gcccaaggnc caaaccaagg gggngggggc caancggcct tccccgcctt 240
 tggcccccg naaggaggga ggagggcnta aanaaggaa gggnaaaccc gaggggacna 300
 ccaaanccca agggcaccng cccgggacac aggcacaaa cccaacatnn cccggggggg 360
 acaagggcga aac 373

<210> 1661

<211> 317
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G

<400> 1661
 cgacccttac gacaccagca tgaaggagct accgagccca gactttggng gaccatcttc 60
 gatatcccat gatgatggag catcgaccga tgtgaccggc aatttaatgt cttgcagtgc 120
 ttgaatcact gcangaaatg ggttctccga ccttctcctg gaaaaactaa atcctagttt 180
 gaagggcanc caattctgct gtcaaccgag tacaacatac cgaaaatcgc ttcggacacc 240
 ttgatctggc cantttaacg cccganggga aaattcgtcg atgaaaggga ccttaagatt 300
 ttcaagttgt ttggcca 317

<210> 1662
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 1662
 agatacccat tcaacaacac ttacagtcac actacgatgg gtcttttcag aggcgacgac 60
 gacaatgacg cacctgtcac ctgccccacg cattcactag cccaagatgc caagcaaat 120
 cttgttggca atctcagttt ctatcagttc gccatgattc tcggnggctc atgttccgct 180
 gtggccatga ttaccatggt cacctgcaag caactccatg ccacacacct ctcaaaccoc 240
 tccgagcagg tcaagatcat gcgagtcggc aacctcatct ctgctttcgc cctcatctca 300
 tttctctgta tctgcttccc cacagccgaa gtctacatcc agccatggct ccacgtcttt 360
 gaagggttctg ctctcggatc cttctttctg ctctcttgcg attatgtatc gccccaccga 420
 gaccagcgcg atgtcttttt cgcgaccaag cgaaagaacg gaatgaaatg gttcaagacc 480
 cgctgggcca tgatctttcca gatgccagtt cttgccgntg gcgttgatcat tgaaccgaca 540
 ttactnaagc tgntggcggt ttttgtnaaa anaacaactn gcgcgagtcc caacattttac 600
 tgggcgttat atgaccattt an 622

<210> 1663
 <211> 139
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(139)
 <223> n = A,T,C or G

<400> 1663
 nctgaccang tcggncgtng tccagattga tgctgnttct ttccgtgaat ggtacgangn 60
 ccactacngt cagcccatcg ggnggggacc ccagcngaag acccacacca ctgangagaa 120
 gaagaaccac cagcgtttg 139

<210> 1664
 <211> 529
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(529)
 <223> n = A,T,C or G

<400> 1664
 nccgccaagg acgagacgga ggcgcgaaag tcnatctgca gatgacagga gaagatcaag 60
 canagacagg gaaagggacc gggaaaaggga tcgaagtttg gatggccgcc atcagcggang 120
 aaaccgccgc ccgcgaatag acgacggaag ccagcatnnt tccgaccaac tgccagtgga 180
 aggggaacga cncgcccgac gtagecgagtc aagacaacgc cagatcgagc accagtcatc 240
 cattcgatca ctcataagct ccggtgacat gagcgagagg gatatcgagc gggaaataga 300
 gtcatttgca agacataattc aggaagaagg gctcctcgac ggactcgact tggataatat 360
 cgatttgagt cccgacnacn agcttagtan ganaatcact gaggcttccg acggcgctcag 420
 aaanatcgaa cnccccaaaa aacnccggana aatactccct tccttgaacn acttgtgggc 480
 ctcagcggaa acctnnttgt tgccctgagg ngncaccag ggaaagatc 529

<210> 1665
 <211> 578
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 1665
 catcgagggg cgcccaggct gtttctcaac gacagtttat gttctgccag gcactcatca 60
 tgtccgcttt ttggtggatg gtattatgca gacatctccc gatctacca ccactgtaga 120
 ctttggaac aacctcgta actacatcga agtcagcccc gatgatgccc acaagggttc 180
 tgcacccccg gccgcttcgc acgccgaagt tcaggctgct gctgctgctc aggcgattga 240
 gcaagctcag gggggagtcc ctggagggtc gaaaccaccg cccaaccaa agggcaagcc 300
 tgtgccccct ccagaagcgt atcgtagtca aattccgaaa taccttgctg actttgacca 360
 ggctgaggat tcgcaagcgt accaatacgc agttaatgca atcgagagac taccgaatcc 420
 ccctgctttt ccaggcttcc taagcaagcc gatactaaac gcagcgactc ttatgaagga 480
 cgacaatagt gttctcaaca tgccaaatca cacnatactg aaccatcttg ccctagttac 540
 attaagaaca atattcttgc tgtttctgct actactcg 578

<210> 1666
 <211> 387
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 1666
 nggcgttctc aacgtnttca acggcaacga tccttctaca ctcatcgcca tcggtactct 60
 ggatgcgttc tccgctggta tccttggttg ggtcggtctc ntaaagatgt ggcgcaggat 120
 tggatgatgg gtggtgagct cagcgatgct ggtcctgtga ctactgctct cgccatgctt 180
 ggtttgatct gcggtatggt cttgatgagt ctgcttgaa agtgggctta aactatcgat 240
 cattaagtcg actaacaggg gaagacaaaa agctgaatga ttttgagatg cgatcatggt 300
 gacatccatc gcgtgtttgt caaatggtga atcattatat tagacataga ttagcatggt 360
 atagattttc acactttgat gaacccc 387

<210> 1667
 <211> 502
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(502)

<223> n = A,T,C or G

<400> 1667

tccgagcccg	cttcogtagc	caagaagcag	actcctgttc	tgcctccac	attccctacc	60
gcaggaaccc	caacttctaa	acaaaagaag	gttaaggaga	gcgctgttcc	cattccttct	120
attcctcact	cgtcacctcc	cagatcctct	cctgcgcctg	cccctgcatc	gcgggccccca	180
agttcaccta	tccgggccaa	ggagaagcga	tccaaaaagt	caaaggatag	taagaaggcc	240
gcatcaagca	agaggggaaac	ccctgtccca	ccccccgtgc	ctggttcttc	ctcggaatag	300
cgttcccaga	tgaaaactcc	tcgaaaggaa	aggcgcaggc	ctaanaacaa	gggcnagggt	360
actctcaaga	tgtgaatcgc	ttgatcgaa	gatgtgtcgc	aatgacggat	ggcgtatagc	420
attgttagcc	atacatcggt	actacgctgc	ttgcacatgg	ctatatataa	natatcatcg	480
ttcgttctgg	cagtcattctc	at				502

<210> 1668

<211> 595

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(595)

<223> n = A,T,C or G

<400> 1668

caagcgtata	aggctagagt	cccgaaccag	tggtttgatg	ttcccagagca	aacaatcatg	60
ttgggcatgg	atgaccctga	ggatggtacc	gacccttcgc	gccactttgg	ctgggataat	120
gagaaaccag	caggtcaagc	gaacgtccat	gccttccaag	ctcaaggctcg	acctattact	180
aatgaagagt	atgcccagta	cctgtacaac	tccaagattg	atcgggttcc	cgtctcatgg	240
tcctcgggtcc	cttctaacaa	gcaagatgga	gctaccaacg	gtcaccacac	caatgggcat	300
tcaaattggct	acactaatgg	aaatggaaat	gggcattacg	caaacttaag	ttcccgactc	360
gttcacgcag	ggcaagnttg	tcaaaaccat	gtattggntt	agttcctntn	aaagtacgcc	420
ctttgactgg	gcctggattt	gtttaatacn	anaagcttgt	cggnttgctt	tgggtnggat	480
nggggggncn	aattttctacc	ttttgaaana	ggttaaaagc	atttattgcc	catttttgan	540
taanccaaaa	aaanggttga	acnttnaacg	ttttntttt	caanaanggt	tcttg	595

<210> 1669

<211> 1063

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1063)

<223> n = A,T,C or G

<400> 1669

tgccaccaaa	cttcatcaaa	ccttaccttc	cttaccttta	cccatccatt	tccactttcc	60
ctggcttcga	cggacccttt	tttcttcttc	cttcacatac	ccgtttaacc	caaacatcaa	120
cctccgaata	ccgttccgac	cgtcgatcct	ctcgttctcg	tccgcatctt	cagctgcttc	180
gcaagctttc	agctcactca	aagtcattca	tttgactcga	gtccgactct	ccttctcaac	240
gtgttcacgc	gcctaatcgc	cgtgattctt	ccgtcaaata	ccctcattta	attcacctct	300
gtaccccggt	ccaagatgcc	tcagtacact	tctcgcgatg	tcggcgaccc	ttcgcagatc	360
aagaagaaca	agcagttctat	ggctgatctt	aagctccgac	ggctaacaga	gctcaacaac	420
cgcctgcgcg	aggatcttga	gcgagaacgc	atccccgtca	gcacaagcgt	caaagagcat	480
catcgcttac	tgcaacggca	ctcgggacta	tatggttcct	ccgtctgggg	cgctgtcccc	540

aagggcgagg	acccctatgc	gccgcaacaa	tctgggtggct	gctgtgtggt	catgtaatac	600
cagtcgctgc	aattcttttt	cttcaactac	gattaccaaa	aatcaactac	tacgcaatgt	660
cgacgatgat	tcagcgattg	gaggagggcc	cgcagtcaat	tttgatatgt	ttttgacgca	720
tttaagggga	gtaaattaag	gagatccgag	tatgggttac	tcgcacaaca	caggcgaaat	780
ggggcctgga	taccgaagcg	cttgctagcg	acacgacaac	gacatccacg	acagtcattt	840
ggggaagctg	tcaggaacaa	actgtcccac	tgacgaagcg	ccagaagggg	ggaaaagcct	900
acatatgatc	cagctgtacc	acagggaccc	ggatcgagat	acccaagat	accatttgag	960
cgggtcacaa	aaccacatc	nagagaccaa	gggaactata	ttcaagtgat	tttaattctg	1020
tctcggcgca	tgccctcgctt	cttccaactn	gataaganat	aat		1063

<210> 1670

<211> 459

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(459)

<223> n = A,T,C or G

<400> 1670

atntggcgga	agcatacaat	accttcatac	cctcggatat	cgatctcttt	cttctgttta	60
ttctttgcct	cgaacacctt	tgccatacca	tcttcctaga	caacaagaat	cgacctagtt	120
ttgttttagat	cgacctcttc	gaaccgaatt	cacctacaca	tatccatcat	gagccagaca	180
tttaagcaag	cagctgaatc	agctcgctcc	aaggcacgag	gtgactcggc	tgccatcgcc	240
aatgatattc	ttcacacacc	tctcatgaag	gccgccttcc	cttcatcaac	gggtggtatca	300
gcggtatggt	agccaccaca	gtcatccagc	ctgtcgacat	ggcaagggtcc	gcattcaact	360
tgctggcgag	ggaactgnca	ctggcccaag	cctagtcctt	tggtgtgcac	tcgacagatc	420
atcgcgagtg	gaaagntcct	tgactttaca	cangtctat			459

<210> 1671

<211> 512

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(512)

<223> n = A,T,C or G

<400> 1671

ctaacttgac	ttcccgtctt	tttctctccc	ccaaacttga	ccccaacatt	tacacaccta	60
ccaaaatggt	cggcaccaat	acgnacccca	accaagggtta	ctacccttca	gcagggggggg	120
atatccccct	caaggctacc	ctcctcctgg	ccagggttta	ccctccccca	cagcctatgc	180
aagtaccagc	aagcgccacc	acctcaagaa	gaaaagagcc	acggctgctt	ctacacatgt	240
atcgccacac	tctgctgttg	ttgggtctgc	ggagagacct	gcgagtgttg	tcttgaatgc	300
ctcgactgct	gctgttaatc	aatcacctac	ccagcactgc	atttccccct	cgnanaagc	360
gcttgcgcat	aataaagaat	gcatgatttt	tattgccttt	ttatcgcaat	accccccgaa	420
ttccatagct	actgggtctc	taccaggttc	tttttgtagc	tctcaataac	gggctaaaca	480
caataccaca	cacacatttn	atcnaccaa	aa			512

<210> 1672

<211> 619

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(619)

<223> n = A,T,C or G

<400> 1672
cgatacacat tgcgttcaat gattcctcaa gctgatgaag ccatggccgt atccaggaac 60
tttttcttgc cgcctacgag cggggccaac actattgatg tgagaaagat ccagacggta 120
caggaataact ttttcttgac acgcctgcga gcggggccaa cactattgtc ttgtgagacc 180
tttgacgacac gacaaagctc ttgcaagatg cgcacatgac acaacagctc caacagtctt 240
atgatattga ccaattcctc aacaacccat caccatcga tgagacggtc atcaactttg 300
ccgacgacat tacccaatcg ctaggcgacg cgcttcgac tacaccctgc gaatatcctt 360
catcgggtgc tcagacacca aacagatctc accgtcgacc caagcgacta tcacgacaaa 420
atactacatc ttctgtgggt ggaagctctg tgtctagaaa gtccaagcgc tgctacctgt 480
gcggcgcgac tgacacacct cgctggcaag anactggttt ggggantcgt ttgttctgca 540
atgtttgcgg gttgttgacac tctaagaaat tgattgcgcg aaagcgtctt gctgaatcca 600
gccgggggag acaccatgt 619

<210> 1673
<211> 561
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 1673
gttctgagtc cgatgcacgc attttcaagc tttgtgatct tggcatcgct gotgaggctg 60
gnaaagggttc tgggcacaaac acaacacagt acattggtag ccaagcattc aggcctccgg 120
aagtgagtag cggtcgccgt tggtcgacta aaggagatat ttggctccctt ggagccacga 180
tccgtgagtt gaaaaagctc aaagattcca tgctggaggc ctcgatacag agaatggctg 240
acaaatgctc cgacagaaaa cagaacaata ggccaagtag cctanaaatg ctagaagagg 300
ctcgtaatgt gctcgagaca aatcagctca tggatacatt gccaatttca tcgcgactcc 360
atatccaggc agtgcattgt cttttggggg ggtcacaaaag ggaggctatc tcatgcaagc 420
cgttcaactt tggngggcgg agctctttgg atgatatcgt gcctttccat aacaagctgg 480
ccaaaaatcg tcgcaaaaaga agacaatcga accgactctt ncgtttcttt ggaatgacgg 540
tgtccaaaca gtggtttcca g 561

<210> 1674
<211> 707
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 1674
caacaataat gctgctaaca acggcggaac caacgccttt gagcgtcgcg atgaagattt 60
tggtcgtaga aggactgtta ctctgcgcgc ggaggacccc catggaatca ggaaccgatc 120
tcaaagcaat tcgagcgaac accgagcttc ctactccgac gcttctcgac gaccttcgat 180
gggtggactcg taccgcctc caccctccgc tccatcttac aaccgcgctc cttcagcccc 240
gcgtcacctt gcttttgccg agtcatntgg ttccaaatac tcggcacctc gacaatatgc 300
tcaccagcct ggtctgcaaa taacaccgct ctccgncaac ggntcgtacc ctccaccggt 360
cagtcgccat acaccaagac cgatgcgcgc tatggataca ccagccgtca tctccacca 420
tnatgttctt tgcccgcgcc gtctgtcaac cgcgacttgt atgaccgtag aactccacc 480
agcacctacg ttntctcctn tccgncagnc tactccgctg aaggccacta ccgngagac 540
tcgcaggcat tatacccccc tacgcctgnt ggtactcttc ccgtatgaac acngagtcgt 600
ctcgcggatc catcaanatt tntggnttag tccaacccat gcccgctcatt gagcctcagg 660
nggaacctct cctgaacttc cccccgtaac gttggnggna agcgcaa 707

<210> 1675
 <211> 1112
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1112)
 <223> n = A,T,C or G

<400> 1675
 caacaaactc aattgccttt ctogattttc aactggtttgc ttatatccat aggcgtctta 60
 gcaagcacac tcgattcacc cacaagcaac cgcactaact accaagtacc tcaacgcaca 120
 cacaaccacc accatgttct ctgttactcg tgccctccga caggctgctg tccacgctga 180
 gcgaaccctt ctcatacaagt tctctggccc ccgaaccatt ccttccaacc tcgaccacac 240
 ccccaagcct caccocgcct ntgggtgtnga aaagctcccc gagtcctggg ccggctacgg 300
 aaacggnnac gccgcgcntt cccacaagaa ctttagctcc taccgcgacc acgtccagca 360
 acacggtcct cttnanaagt ctggcttngg cggnaccaaag cgctgcctcc ntgggttctg 420
 tcaaccctcc aagggtgntg cctttgacct ctctgagctt cctgcccgnt tccaccgcgc 480
 tccccctaac gctgccgana tcgaggctgt cgagtctggc ggcgctgctc tcttcggtta 540
 aatatgtctc ccgccatagg cgaggagtca taggtggagc ggaggatga acgaatacct 600
 acaacgatgc gggctatgac gaaaaccagg aagaccccc tggagcatgc atactacgcg 660
 gcatagtata cgaggaccgg agtggtcatt cacagtgcgc gcctattcac ggtgcatttc 720
 gggatgggca ggtaaacctg tctcatcgac atacaatgca gataaggaca gattttccga 780
 ctgcaacgca tctcgtcagg ataccactta gggcactacg atactatggt gtcaagagcg 840
 tcatatgaaa cgagagggtg gtcttaagcac caaaaagagg aggagaattg gggaaaaagc 900
 aaataagtcg gggttccaga aaataccccc cgactgcgga naacattgaa acctccgtgc 960
 tttgcccatc tgctggcgtc aacgccattt cttctgagta gntggatact acctgcaaag 1020
 ctttaacagc gancaaggag cncgcggng ttnaacanan ganttncttt tngnggaaat 1080
 nttgatncca aaaaaaaaaa ttttttctct tn 1112

<210> 1676
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 1676
 ctctgggcag atgaacactg gatcnacca ggaagataaa ttgcgacttg ccaaaatagg 60
 cgagcttgct aatatcaata tcgaacgact tttanaatac anccccaaan aatctggctg 120
 ggatgtacta accgaaaaac tcatcgacac cttaacttcc tcaaacacaa actcatccgt 180
 ccnaacaagg gcagctgata tccttgncaa actggtatcg gaagctgcca atgtaacttc 240
 ttogctacca gaggaggctc gcggcnacaa acaactgcgg ttctttgagg ctcttcgcat 300
 gtcactagaa cctctgctta aggganaccg tgagggtgtc cttgcaagcc actccacgga 360
 tattgatatt cacaaaatta tccttgccgg cttcaaagta tcatcgagag caacgganaa 420
 aactagtca agggatggga cattgccttt gaaatcattg gcaccatctt tgttacaaaa 480
 naactccacc acgantatcg ccgcggctta gtggccaacc caattctctg gacactcgat 540
 cagcaaaact catcanggcg tcttcaactc tctccactta ttgntcaaac tttctgggnt 600
 ccctacccaa atcgtgnttt 620

<210> 1677
 <211> 954
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(954)
 <223> n = A,T,C or G

```
<400> 1677
agtactcatg tctctgctgt ttcgcgccat caggcgctct ctgtcgcgac aacccttcg      60
tgataccaat atcgcccctc ataagtgtaa tcatttcccc agaaccctaa tctgcctctc      120
atgtattttc gaacaagaat tcatcgtcag caaataaaac ctccaccttc aattcccaag      180
aaccaagttc cctccgtact ccttggtgtc gcccggtctaa tgagggttctc ctgcttcacc      240
gcgtccacac gtcttcttcg tttgcatcgg cccatgtctt tccaggtgga aatttagacc      300
cttatcatga cggcgctatc cccgaggaag ctcgccagag aggcaccagg acgggctggc      360
atacaggata ggggcaattc gagagacgtt tgaagaaaca ggtatcttac tagcaagaaa      420
ggacaacgag ctcataaatc tggatgtcaa ggacagagac gctgcgagga agatgatcca      480
tggaaccaaa gtcaagtttc tggaaatggc caagtcagtg ggagctgagc cagatcttga      540
tggcctcatt ccgttcacac gttgggtcac accagcaacc aacaacaagc gcttcacgac      600
ccagatgtat ctgtacatgc ttccacagtc acgcagcgat atgccatctg agatgctcat      660
cccaacaccc gacaatgggg tccaacacac ggccgcgctc ttgcaccag cgcaatcctt      720
cctctcccgt gcctccacca acagtataat tctcttccca ccacagtact tcctcctaac      780
actggttgcc aagatcataa agagtccttc aggaggaaca ggaccacatc aaatttcaaa      840
acagcgggag cagctactgt cttttttgaa gcaagtggcc acagcanaga cagaganngg      900
caagcaacac aaaacatcta tgattccctg gggccgacaa aatcatganc ccgc      954
```

<210> 1678
 <211> 341
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

```
<400> 1678
tggccataat acatggctct ggttggttgg agctaanaat gggtcgtgac ttttcccca      60
gatggcgccg taaaaaccca accgaatttt gtcaaagaaa ttggttgctt ttcattctatt      120
ttacagcgca ctgcgtggta gtcacaagaa aaccganggc cttggcgggc tgcttgacgt      180
ggtcctcgcc aaaggtngag atgaagaagt nagantgatc gtaaccgtcc tggatcgga      240
nggtcatgcc gtcaatgcc gcatccttca cagccttctc gagattctcg ggganaactg      300
gttctgcttg taaaagttgt caccagtgcc cacatcgatg a      341
```

<210> 1679
 <211> 995
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(995)
 <223> n = A,T,C or G

```
<400> 1679
nggaggacca gcatgaggac atcagtaatc tcanggctga ggatgtcgct actcccgct      60
cagctggcgc tcctatgccc gatgccctga ttggtgatcc cccgacgtn tctcccttan      120
canatactcc tgctccagag gcagagccaa ccanggtggt tcctcaggaa gcttcccaaa      180
aggagacggt ttctcaagag acctctggag ctgctgtgca agacaccgcc tctcaagaca      240
cgcttccaa agagatcaca acccagcaca ctactactga agaagccgga tccaatgaac      300
ccgcatccaa agaaatcagt ccccaaagcg acgccaccaa ggagagcgat cagaaaaaac      360
ctgctatcca agaggatgct cctcaagaag cagctgctgt gctcacttcc gcagcggtaa      420
gtgaccgcg gcagttgcc cgggaggcag tggttgagaa ggctaccaat ctttcgaccc      480
ctgcagttga aacttgcgaa acctctcgac gactttgagg atgtcccaga cccngacgaa      540
```

gatgacctgg	gacgacctgg	acgatatggt	ggacgaattc	tcagcagtca	agatcgacca	600
aaccaagtct	gtcgaagctc	cttctgctat	taaagcagaa	gctccaaaag	acgcagctcc	660
ctctggcaag	cagcctgaaa	ttgaagatgc	gttttttagaa	aaaaaatttg	ccaaacagtt	720
acaggctggg	atggccgatc	tcttangcga	gcttgagcag	tcccctgata	tgcaagctca	780
at ttgaggac	atatttaagc	atatcgctgc	ggcgggaagg	cgctggcgat	gcgccacctt	840
caactntgca	aangggncag	catntnaagg	accacctgag	gatgcatntt	tccaagatac	900
cattaaccgg	ccattggaaa	ggatncagcc	ttaggggatn	aanccacggg	ttttnttntc	960
ttgggnnccg	ggaanatttt	ttcccgaag	cttaa			995

<210> 1680

<211> 274

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(274)

<223> n = A,T,C or G

<400> 1680

nctttcgccg	gnngncggaa	gganggggaa	agggntnccg	gggacctggg	ggaanggggn	60
ggacaataaa	gggggacnng	gnaggggacn	ttncaaaaag	nanggaagaa	ggcnggccgg	120
gaggggcaag	aagggccggg	acgggggacg	aaaanaatgg	gcaccggggg	gggncgggaa	180
angggnggga	ggngggaaan	ggncaaggag	gttaaagggg	ggngggggang	ggggaacnng	240
gggaaaccgg	ggaaaanccg	gggaanaaan	ggggg			274

<210> 1681

<211> 590

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 1681

cttttgagca	agtgctcgac	agacagacat	tcgtagccca	gcatgcgacc	taccaactac	60
ctaccgagac	caaacctttt	ggtttcggcc	tttgccctga	tctcaatcta	cgggtgctgtc	120
gcgatggccc	aagacaacaa	ggacgacaat	aaagacgatg	ctnagaacaa	cgaccctctt	180
gctgtgccgg	ccccgcgtgc	tgaaccaacc	gatgcgaana	acgggtgatgc	tgccgagtct	240
gccnaagaag	caagtgcga	aaagaagccc	gagcctgcca	gcgaaacaaa	agacagcgca	300
aagcctgcat	caactcnaga	aacaaaggat	gaagcaccct	cgaaaacnga	ggagaaggac	360
gatgaacctg	cctccnctga	ggaggaagat	tcggccacca	ctgtnacagg	agaaggtccg	420
acaaaaaccg	aagatattca	atctaaaatc	ccggctattg	ctgagactgg	tnccgaanaa	480
ccatgcctac	tttgacaagg	tacaagccaa	ttcccactta	tccagctcct	tccgttcccc	540
cccaaataac	gccccctttc	tgcgacactc	aaatnccctt	gacnggactg		590

<210> 1682

<211> 337

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(337)

<223> n = A,T,C or G

<400> 1682

cgcattttctc	acaatagtga	aacgatgtcg	ttccctcact	ggcacttcta	agctggaggg	60
-------------	------------	------------	------------	------------	------------	----

cagtgtaacg	cacctcttgc	gcgtcacatt	ttaagtttgt	gcactcctcg	gctatcgtgc	120
accaggatc	tagtgaggat	atnttttcg	catgttgaac	catggcggtt	tgcacactcc	180
ggcaggatcc	ttcaccatgg	agacgctgac	ggtgcctatc	aaagtgtctg	ggacgagaca	240
gtnttttagt	gacgtgtgca	agacggagcg	atgatggata	cgaactcttg	ctcaccaccc	300
cgcaacagtc	gcactcgacc	tccgggtttt	tcnnttt			337

<210> 1683
 <211> 476
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = A,T,C or G

<400> 1683	
gtnttctctt	tctcttattt
ctgtctctac	tctttgatca
gtgatcacga	cttttacttt
tcatcatggg	tatcatggct
agcagagttt	gtacatctca
cgccgtcaag	aataccacaa
cttgctatgc	cttgncatca
aatgccatct	ntgacaagct
	acgcatccgn
	ttttggcaac
	gactacatac
	cggctg
	60
	120
	180
	240
	300
	360
	420
	476

<210> 1684
 <211> 200
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(200)
 <223> n = A,T,C or G

<400> 1684	
gaaggagagc	tcgagcttgt
accttttagca	acctggccta
cctcgtaccg	acaaaatnaa
ctcaagggat	ttcaattggg
	ccccgagctg
	tacacgcaat
	gcccgtatcc
	tcagaacatc
	gcctgtgtat
	gagacttttg
	60
	120
	180
	200

<210> 1685
 <211> 2396
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(2396)
 <223> n = A,T,C or G

<400> 1685	
gagccctcca	agcacttttt
catttttttg	aanattttgt
ttttacgcgt	tacaccctgg
atctaccacc	ataaccataa
gacgatccag	acgtagcctg
accaacctcc	accaacaata
catcatgacg	ttaacgaaat
	ttcccacgat
	gccgataccg
	tcgacgaatt
	ccaccgcttg
	60
	120
	180
	240
	300
	360
	420

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

<400> 1687
 caaataaaac atcttgacca tcatcagact ccgagtgaag ctacatacaa gcttcatctc 60
 ttactccaaa agccaccacg ttaccccttc gccttttctg ccaggcctct agaagccttc 120
 ccgcattccg tccttttgaca atcttcagaa tggcttcctt tgcttctcaa acctacactc 180
 ccaccgagga gaccgagatc caacagtggc tcaccacctc tgagcgtctc aagtcccccg 240
 aggacaagtc caccatcctc gagaccctca acaaccacct ctccagccgt tctactctcc 300
 tcggcagcaa gccctccaag gctgacgttg ccattctacga gaccctcgct cccattgttg 360
 ctgagtggtc ccccggaagag cgcaccggcg agaagggcca ccctcatatc gtccgccatg 420
 tcgactttgt tcagaactct ccctcttcgg actcgacgtc aaggacgaaa acaagggtca 480
 aggtcaacaa gangangtct ctacntaaac cncctgtcaa cccaaggcga aaaag 535

<210> 1688
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 1688
 cttttactct cttgcttctt tctcctgagg ccgccacca tctgcaactt atttacaggg 60
 ctttgggatt ttgcacgccc tgatccagga attgcacacc cttgtatcta tcggccctca 120
 taataccctt ttccgccccg tccgttctgt ccgggcttct tccctccaa ttctgcccgc 180
 cttttctatc gcatcacatt acaacgaaac gaaacgaaac gggcataca ctttctaccg 240
 cctgcatttc aaatcgatac ttgtcttttg ctgctatctc tgaacaaatc gagttctttt 300
 gagtgcattt accgcttgag gaacacataa tcagtcggag tcgcgcgtta ctgcttcctt 360
 gtcgtttctac gccacctnca ccgcattggc tcgccgacag taaagctgat caatctcggt 420
 cacatatctc atctnccgac tgcttcagga cacctctagc catcaagtcg actgtctttt 480
 gacctcatat ccaccttaca tctaagccat gtcattatcc caccctcgtc gaaggactcc 540
 ggtgacttcg cccggactgn gacaccgaga atgccttgnc tcttaagaac agntntntacc 600
 cttcgtgaag gtgcaacctt tcactct 627

<210> 1689
 <211> 615
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 1689
 cttgtcatat gccgttaatt cgtaaaccga accgtttctg caaacaaaaa ccgtttctac 60
 gatgagatca aaaatttctg caagagcagg aattctccca ctgaataaca cacgctcaac 120
 actcacatcc atcctgttcc ctgcaacgcc tgtctcgagg aatgcacgtt cgacgcctga 180
 aagttccccg ttctccatgt ctttccactt acgctctgct tcttcgcgcg cagcttgacg 240
 gaccttttcc gtatcctctg actcccaaag gttacaccta tcgcattcct tacattgcct 300
 agcgtcacct tcggggcgga agtggtcgca gaagtggcga tatccctcgt cactgaggtc 360
 ggcacggcaa acgtagcaca tcttgtagcc gcacgggcac cgtgagtttg ttgcacctgc 420
 gttcttgacg aacgaagtat tgcaacnggg gcagacgccc cttgatggcc atgctcatgg 480
 cgtgctcgac ctgtgtacong agagctacga gcgatgattc gtacacacat gtatattcnt 540

tcattgacttg ngacatggaa agacacgatg agcgacacac ttngggactn tggctgtgaa	600
ttttgggccg gggnn	615

<210> 1690
 <211> 449
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 1690	
gtggaaactg ccgaagatgt aaacaagtgg acaaagcacg gatgggggtg ggatactcct	60
ccctatgtta gctccatgtg gggttaacaag atgggcttgg gacgtgccac tggatatgaac	120
gtaggggaaa gagacagctt ttccgagtca cgagggtgtg atcgtgggtg tgaccgtggt	180
ggttttggta atgaccgacg tggtagtgcc cgaccttcac gaagcagcga tccttttgac	240
aacatggcgg ccaacgttcg ccgtgacnac tttggccgtg gcggcaaccg aaccggcggc	300
tttgggtgtg gcggttctcg cggtttcggc ggccgtaatg acaacggctc ccgcggccgt	360
ggcgggtttt cttcccga tggcagccgt aatggcagcc gttcctcgtt ctaagttatg	420
anancggatt agtgaaaagg ttaaaatgt	449

<210> 1691
 <211> 107
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(107)
 <223> n = A,T,C or G

<400> 1691	
nncatcgaga cnatcttctt catcacaagt gangcatcgg nnaagtgtc aacnggaaaa	60
gncactacc gtcaatggtc gaanacantc tttttgccat gacatac	107

<210> 1692
 <211> 738
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(738)
 <223> n = A,T,C or G

<400> 1692	
gatgtgcgtc ataccatgta tgtgccgcct cctaacctcc cagagagtgg caccgattcc	60
cctataagtg gtctagcagc atctccaacc cttgcacat ctccctccaa gggaagtga	120
ggtgtgcat tggcgccga ggctagcatt gccggtactt ctgatacaca atcggtgaga	180
tctggcaact cattgggcgg tggaaaccat cctcaacacg ctcaaatgac tgccccgtgt	240
ctcaactcgt ccatcattga gagtgtgtct gctgtttttg aagatggcgt tctcaagtcg	300
gcttctatta ctgggtgaagt tgcattcgtc aacaatccaa gtgactccgg tgatgctaag	360
agctatgaaa ccatccgtat taacaacttt tcggccctcg agcgattgg tcctaaccgc	420
atctttgtgc aaaactcatc ccccgacaac catgatcagt tcaatcttga tgtatctcac	480
ctcaccaaga atgccaccgc attttcttat cgagtattct ccaaagantc cgacgtttca	540
acattggccg aacatgttcc tctgtccta aagcccgcgt ggaagcctca gggagacaag	600
cttggcttgc ttctgcaata ccagcttaac ccggccgcca agattaccgc tccgtatcac	660
tgcacaacgt ggtcattgtc gcaaaatacg aaggtaaatc aagtggcgcc agacaaagcc	720

tgtaggaatt catctcaa

738

<210> 1693

<211> 608

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 1693

aagcgaaatt	accttaactt	ntttagacat	ccgacctaaa	ctgcgacgaa	ccaccgtttt	60
cccatctcac	caagaaccta	gccacgatac	ctacagcttg	cgccttcaac	tttatagggc	120
agtgaatgga	tactctattc	tgttgccacac	gagcacacct	tccttcgccc	taacttcgat	180
cctcgaaact	ttcctactcc	accgccaact	cctngaaagc	tttgtatgtc	tccgccggag	240
caatctacac	cttcgtccgg	ccagcctgtc	ttanacaaga	cgctgtctag	caaacctgat	300
gttgatgtga	cgtctactca	gcaccctacg	atagggaatt	ctgatacctc	ggacaactac	360
gaccatggct	cgaaatcaga	acccgatact	caagaggga	agttgatcga	cttgagcgac	420
cagccgacca	accagtcgca	ggacgacaac	nctgacgccg	ccgctcaaga	aggaccttca	480
naaacgggta	agggaaaaca	agcagntgat	gaccagtcaa	cttcgagcgg	ngccttaaac	540
acccgcatnt	tgggtggatn	caaaaacaag	cctattgnat	tacccccgtn	aaacgatccc	600
cgacttan						608

<210> 1694

<211> 367

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(367)

<223> n = A,T,C or G

<400> 1694

ttaccttaat	tgacctccna	ccttcattgg	tattggtatc	ctttccccag	agacaggaca	60
agacaatnat	gaccoggaca	aagtnttcta	ccccaccag	cagnggcaac	acctgcgcga	120
ccggnrngtc	ggccacaact	gcgacgcgcc	gacaggcttn	cgcaagacct	ggaaaagcga	180
gatccctcnc	ttgtcgacaa	tgctcgcatc	gtaaaatccg	ctgcgacggc	gcccgtcccc	240
tttgcgattc	ttgttctana	cnaggtcttt	gtgcggaaca	gtgtntttat	ccagagattg	300
agcaggaagg	gtcatcnctt	ngtcgcgcaa	atatatcgcg	ctctccaaaa	acgtgtacaa	360
aagcttg						367

<210> 1695

<211> 870

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(870)

<223> n = A,T,C or G

<400> 1695

caaacgcaaa	ttgaaagacg	ataacaacat	tcgatatcat	cttgtcttct	atcaccaaca	60
cttctgatta	cttctcatct	accttgtaca	ctttcccttc	agatatttca	agatgatgca	120
cccactcttc	ggcgtgcaac	cagcaggctc	tctgccgctc	acatatcctc	acgacgtgac	180
gctagacgat	tacacacaac	aaatggcatg	ccctcagact	tcaagggaga	tactcgcgaa	240
gctccaacgg	gacagcgtcc	tggaggaact	gctatgagag	tcgccaaacc	ttcgagtgcc	300

aataacagcc	ctcgatcgtc	tagtcttatg	gctcgacgca	agactctcat	gaatgacggc	360
aactctcaac	gacgacagca	acaaatcatg	gagcaacttt	cttcattctg	cgatattgaa	420
tcacaacagc	cctaccaacg	accctcgcgt	cccgtgaagc	tggcaccgga	gctcttatgg	480
tcaaacttca	acacaacagc	agatgcctac	cttggcccca	agttactcgc	ctgttggtca	540
acaagatcta	tatggaaact	attctcacta	ctcacctatg	atgaattcaa	cttcttggtg	600
gacatcccc	ctgccttct	cccatctncc	actgccatac	cagtctgccg	ataacatggc	660
atacaacccc	taccaaggaa	cctgcatgtc	gcagcattca	ccggctgcgt	ctttggcgac	720
ggacgcttgg	tcaatgccng	ctacttctgc	tcctgtcgaa	actgnataca	gccatgggtg	780
ggattgggac	aactttatca	tgcattgggt	cnggtnaaca	acggcccca	caccagaaac	840
actttcccca	aagccaattt	tnntaaactg				870

<210> 1696

<211> 574

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(574)

<223> n = A,T,C or G

<400> 1696						
ctatcctcaa	gccctcatct	caacaacnag	gtcctcctgc	cnaggaagat	aatatgcata	60
ccacaagaac	aaacactcgc	cgacacattc	gaagcagccc	ttcaacaggg	agtgccgtaa	120
caactgtaat	tgaagcagaa	gaggaggacg	cagatggggt	ttcgaggaag	ctcaaaaaca	180
tgcacctcac	cgcaccttcc	ccagtggaa	aagagccaga	ggcgcgcgag	gtcctctgta	240
ttgttgaaac	atcagttatg	cgcgagaccg	agtccaaagc	ccatgacctt	cattctgaag	300
aagccgaaga	ggacgaaatc	gaggacgaag	gcgacgaaga	tgctgaccaa	acaattgtcg	360
gggatgcata	cgaaacagat	cctaccgacg	atgaagacac	tcaaaataat	gaatccgagc	420
caacacctga	ccnngttgag	cccaaggaaa	ccaaagaaaa	aagcgaccn	caggaagaat	480
cgccgaaga	aatctccacn	gattccccng	aatcttactg	aagaattcga	ccgcaaatac	540
cggctgangc	cccgcccgat	accgaagaac	aaac			574

<210> 1697

<211> 588

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = A,T,C or G

<400> 1697						
gctttctttg	ttttacactc	tcttcaacca	cattcttctt	ctgttcactc	cttgacaaga	60
actctttctaa	atacaacgaa	caaactccc	ccattgggtg	taaaataccc	tcaacgtcat	120
gaggtagtct	ctcatacggc	gactttgggt	gatagtgtca	aagtttctac	tccaaaatct	180
aaccacgata	gcacattcaa	tcatccatca	agatgacggt	ttgcaaattc	tttcaacagg	240
gaaactgcaa	gtttggcaat	aggtgtcgta	acgagcacat	caacccaaac	gatcaaaacc	300
gctttggagc	tctaggagga	ggcaacaacc	agagcccagc	tgaaaaatac	aatatcaacg	360
ccgataccat	cgaaaaagat	ttgacgaccg	aagtaccgca	atggatcctt	tcagcctatg	420
cgccanggag	agacgtctct	gggcagctct	ttggcgggtt	cccacgcnaa	acagaatttt	480
gaaganttgc	ggctgcactt	tatgatgggc	aaggnttcag	gaaacgaaca	gcaagttttg	540
aacgaaagcg	caagaactgt	nccgaacgcc	cagcaacnaa	tgcaaac		588

<210> 1698

<211> 703

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(703)
 <223> n = A,T,C or G

<400> 1698

gccaaatgat	ggtaaataatc	catttcgtcc	aaccanccttt	tgaaantaac	ctgttcnttg	60
aagaaatgac	cgacgggttc	ttgacggaag	ccgggggcat	tcttgaagaa	cttaccctccc	120
caccttccag	ggataagcaa	aagctcccat	aagaacgctt	gaagtgtcca	accagcttgt	180
gagaagccca	gtaggnattt	ggctgaaagc	cttagaaact	gtggaaagg	tgtgggcggg	240
ttgttaagta	cctaggcaat	tgatgtccag	tgagagccaa	gggtccgctt	gcaaccgaga	300
agagtaggtt	attcaggagc	tggtggaaag	ctctttgtcc	cgtctgaagc	ttgnggtatt	360
gcgctgtttc	ggaccccgat	ttgtttttta	aacttctttt	tcctcccctt	ttcacttgca	420
ttattcaatc	ttcaactgct	ttatttctct	acctaaatc	ccgaaataa	aaacccaaaa	480
ccgtcgaaat	ggcaccctgt	ccccgtttca	actttattga	acccttaatc	tttttccaga	540
ataccattgg	nacttcttcc	cagaacttta	anggtggnct	tcaaanccgg	agcntccaac	600
ctttggggtc	ccttcnnaaa	aaggggggng	aatgncctgt	nccttcntt	ccaagtcna	660
nttatttgnn	ttatccccct	anaaaaaaaa	ccggaaccag	ttt		703

<210> 1699
 <211> 579
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 1699

ggatggatct	tttacgacaa	caagtggcaa	cacggccaaa	gaggttcaga	tggctggggg	60
cgttgacaa	gacgaanaaa	gtggtaccgc	gatgccgagc	ttgtcgaagt	tgatcagaac	120
gcagactcca	aggaagcttc	gaaagacaag	gaatccccag	cagtaacgaa	actacgatct	180
caaccatacg	ccagtaacga	agcaatgggt	tcgacacgaa	ccgccgaagt	tcaagccaga	240
agacaccagt	tacgaatgac	gccagctcca	aagttaccag	acaatccctg	ttngtacact	300
cgacatccct	ccaaatcttt	ccntcggtcc	cctttctgcg	aaaaacaacc	cctgacgaac	360
ctggaaccna	atnttaagaa	ccccccgaca	aacntttaaa	ccgttgacaa	acattcnntt	420
caccaacaaa	aaccccaacc	tttngttgcg	gaacccgggn	ttggnaattc	naacaggttg	480
gccngaagaa	aatgggggtt	ttggcaaaaa	agcaaaaaat	tnttaattac	aagggttttt	540
tttcgnaaan	cccccttcca	aaattaggg	ttnatggaa			579

<210> 1700
 <211> 580
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n = A,T,C or G

<400> 1700

gctgctacac	cttgtcagcg	attgcagagg	gacggaccct	cgcacgccat	cgccaggtcg	60
ctcgtgcca	gcaagggcat	ggaagcaggt	gaatagatag	cctgcctaca	gaacttccaa	120
cagtaatcgc	aatcatggga	gatcatcact	caagccctgg	taaaaagacc	tctcgcagtc	180
ttgccgatag	tgagaatctt	tctagcgtca	acatcaaccg	caacaatatg	ggctgtcgan	240
tttgtcgtgc	aagaaagggtc	aaatgcgatg	gccgaccaa	cggctgtcgc	aattgcgaac	300
gtcttcaact	cgagtgtgct	gatgacgacg	ctcaaaaatcg	gggcagtcng	cgtggctcag	360
ttcctgtttc	tctgaaaaaa	atccggactt	accggtcttg	tacaactgtc	gtgtttcaaa	420
gaacaaatgc	gacggcgaaac	ggccgaaatg	ttcgcgatgc	tgcgcccgtn	atctggantg	480

ccantacaac ggaagctcgg ctctcgtctg ggcgcgcaac cttancnagg caccaaccgt 540
gggctccaaa tgaagaaaaa ttaaaatctt ctttggatgc 580

<210> 1701
<211> 487
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 1701
caatagccaa ggcgtggtca attgaagcac cgtcattata gcagtgaacc tcctctgtct 60
gagggtttgg cgaggggtggc tttgggttcg gctttgggga angtctgggc ggcgcgggca 120
tgggtttgac ncttgtgggtg gtggctggat ttgccagggt tgggagaggg agaccgaact 180
cgagcgacaca ctgtcgtctg ttctcttgat cctcctcgtt ttcgggcacg ccgggtgttg 240
gtacattggt agatccggga tgggaagggt tngtggttct ggccntcttg gtgggtttgg 300
attctgaaga tcgggaaagt ctctgccacc atctgggtta tcnanaaaaac agggatgatc 360
gcnaagacc nacagggctt gccncaatcc atcttacacc tangaccgcg tttcctggac 420
nccaagttac aactgggaaa nataatggtg naacattatc tccgatttnc tgatttttaa 480
gttcgta 487

<210> 1702
<211> 608
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 1702
caacgatgga cggcaaagac aaggacaaca aggacaacaa ggcccggaat ggggcgacga 60
tcgcgagcac agcttcctcg acgacgacct ccctgtcatt cgcgaaaacc ttcgaaaggg 120
gttctttgag acacaagaga aggtcaacgg atggatcaca aacctgaaga agaagattga 180
agagaatttc gatgaaagcg aggagcagac acaaagtcaa ggacagcctt tccgtcgtcc 240
tggagagtct agccgcccga gcggtgatta tgatcgatat gacgcggaacc ctcaagtgtc 300
cagcgatgac ttcgctggga tgaagttctc atctgatgga actcccatga accggcctat 360
ggctaacact ggcattgtaca agcctccgcc ccatcaactt caccgaagcc tacaaccggc 420
cgacgagttg gcttcaagga ggaaacagaa gagatcaaca tgtncgatca tnancacgag 480
tgccaccaag gttccgnect acancggtcc agaggaacag tgnaacttgt cgcgtgacca 540
gcccttggtg gaacgccatn agttggagat gtgaaataaa ggngcccnta gaaccagggtg 600
tagatntt 608

<210> 1703
<211> 536
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 1703
ntgaagttcc tntgggtctnt cgcctcgtc gccgctgttg cttctgtctca gtccgctacc 60
gattcagacg ctgctgcccc ctccagcctcc ggnggatgtg acgccgactt catcgttaa 120

cgatgtctcg	aaaccgagaa	cgcaaagggt	gaggagtgtg	agcccaacga	ctgggattgt	180
ctctgccctg	cttacgaggc	cgtegtacc	tgcttcaaca	actgccccga	cnaccctcgt	240
gctggctccg	ccaagggcca	ggttcagatc	aactgccaga	accagtntct	ntatggaacc	300
tccacaagga	acacaaagac	cagctntgcc	acaagctact	gcctcggaag	catccgctac	360
cgagtctgat	gatactgaan	agaccggcac	tgcaactgag	tcggcttccg	ccgccgaaga	420
acaccaataa	acgcctntaa	aaaggcccgc	aacaactggg	gggggttctc	ctccccgttg	480
ctnnggggtt	ttgctgcccn	cctgnaattc	caattitnaa	aaaggggggt	ttaanc	536

<210> 1704

<211> 590

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 1704

catctttcgc	agaggttcta	ttctttctta	acttgtccga	ttctgacgct	cacctttcta	60
tagctgattc	cggtgatact	tatcgacccc	gtgagaagtc	acgatctccc	ccgcagaacc	120
tcaagaaacc	cccgaagggt	tccaccgacg	cccgtctcta	ttccccccgc	agccgatcag	180
ggaagccggg	gacgactatc	gaagaaaccg	tgatcgttcg	cccattgacta	gcacaggcgc	240
accangtgga	agaacaagtg	ctggatacgg	tggacaggcc	ctcaccgatc	ttacgaagaa	300
cgagccgttg	ctcgagaaca	aatgatgaac	aacattcgcg	aatcgtccca	acaggaccgc	360
cgagtctacg	tcggtaacct	ctcgtacgan	gtcaagtggc	accatctcaa	ggacttcatg	420
agacangctg	gagaagtgct	ctttgccgac	gtgctcttgc	ttcccaacgg	aatgtcgaan	480
ggatgcggaa	ttgtggaata	tgcgacacng	gancaagccc	agccgctgtt	gncccactga	540
accaccagaa	tctcatgggt	ctctaatacta	cttcgtnaag	aacgtgaagc		590

<210> 1705

<211> 489

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(489)

<223> n = A,T,C or G

<400> 1705

cttgatccca	actacaagcc	ctcacgacct	ctcgatctat	atTTTTgacc	tttatcgcc	60
atcagagatt	agagcggtt	attgttttcc	gcatagtttg	ccttctactc	cttctcttct	120
ttcttagacac	tctacaccag	cgtcatacaa	ctttcttacg	agctctattc	taccgtcata	180
gcatctgnnt	ctcagggatc	gccgctgcaa	caaacacatc	gacaatacga	gtacctaggc	240
actagcgaaa	ctttttctcc	catcatattc	gatctcgaa	ggncagtccc	gtcggcgcg	300
ggggactgcg	actgcgacaa	tgacaacaaa	cttgataaac	agtagcaact	cttggctgaa	360
taagctggtg	ccaagtcaat	atctttcaag	cgccttcgaa	gaaaacaaga	cggaagcgg	420
cagggtttcg	cttgcgatct	agngttttgg	ccatcgcaat	caagcgcgaa	ctttgaaagn	480
gacggaccc						489

<210> 1706

<211> 655

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(655)

<223> n = A,T,C or G

```
<400> 1706
agaaaagcga aggtcgtgat gacgaagttg aagaagccga ggaatgtgtt tcggagctta      60
ggatctcggg tgaagcaagc aacaaggccc cgaaccaagg agtagccgag gccgatgaga      120
aagaaggaga ggacgatcaa accgaggaaa acggagctga tgaaggtgaa gccgatgaca      180
gagatgaacc cgctaaatca gagaaggggg ccgccagcaa gccttcagag acaggctcgc      240
aaaacaacat gccaaactcc tctaagaagc acccccctaa gcgagggtcaa cgaagcaaag      300
ctaagaagat tgctgcaaag tataagcacc aagacgatga ggaccgagcc gctgccgaag      360
ccttgattgg agctaccatt ggacaaaaga aagctgaggc tgaggcaaag gctaaaagcag      420
atcgcgaggc tgaactcgcg gcagctaaag agcgacgtcg tgcacagcac cagcggcaac      480
aaaaggaaac agctgaacac gangagatcc gacgcgtcat gatggaggaa ggtgttgaga      540
tacttgatga agacgaggnc agtcagatga cagtgcctga tgctattggg ggcacacctn      600
tttcccgggg acnagatcct tgagaatatn ccaagttgng cttccattgg aacgc          655
```

<210> 1707

<211> 627

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(627)

<223> n = A,T,C or G

```
<400> 1707
aaataatata aaagcaatac ctgatcagca gcccgcttct tcttccttca gcacaaccta      60
agaagtagca agacaacaag ctgtcagtca acttgcccggt cttctcccta ttgatcttct      120
atccttggtt caggtctcgc gttttcttca ctaaattccat catggcggat tttggggagt      180
atccgccaaa tatggcgctt caggatgcgc tcattgttcg ggagcaagct gaacccgatc      240
acgtgtgggt gcctttttaca gccgaagacc tgtcgcgtcc caaggccggc cccctgaatc      300
cgttcaagga cgagagcaat actttgaagc gcaagagcgt cccaaccgga catgcagagg      360
agaccttctt gagcgaacac acattccgaa gcaaacaccg tgctatcgag cgacaaggag      420
ggcaaggagg acccgagcga cagtatcaga caaacgcaga actgaaagcg gaagcggcga      480
gaatacgagc tggacgtgaa gataaggcag cgcaatcatt gcagaaggtc cngcttctac      540
gtttggaccc tgggcgcgat acaaagaaag cccgagggtnc caanatcggt ggcagaagga      600
tgaaggaaact ggcggaagcga tgaaaaa          627
```

<210> 1708

<211> 116

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(116)

<223> n = A,T,C or G

```
<400> 1708
ttggcgnta cgtnctcccc aagatcctcg acgaggaggt cgcccgtctc caccttgctc      60
actgncaggc tgagctctcc acccttagca accgttcaag ctgagtcctn ggctgg      116
```

<210> 1709

<211> 573

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(573)

<223> n = A,T,C or G


```

<400> 1709
ctcatgaacc aggtacctat agaggcttcc cataccactg cccgacaatc cttgcgcgtt      60
ttaaataatc gccatgcgtg ctcgatttaa agggccagca ggcaccggca ttcttgagct      120
accagacgat gctactgttg aagccctctt tgatgaaatt cggacaaaaga ctggcatcaa      180
caaattcagt gtgagatacg gtctgccgat ggctatgaaa tccctcgaag ctactcaggg      240
tgaccagatt gctcgatgcc ttggtcttca tggcgaaacg ctactattg tccccgagga      300
gtcatcatct gaccctgctg aggctgtcca aaatcggcct gttgcatcca tgccactgaa      360
aaagaatgaa ggcccgaag accgaacgtt ccatggccgc aganaaaagg cactcttctg      420
ttacgagtga tgcccagtga caatagtgtt ttgttcaccg cgttcggggg cgcattgcaa      480
gaccaaatcc ctgccccaaa tttgagacag atgatggcag actatattct cgaacatcca      540
gaaaattttc ggaagctgtt cttggcagcc ctc                                     573

```

```

<210> 1710
<211> 856
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(856)
<223> n = A,T,C or G

```

```

<400> 1710
atttaatatc tacttatatc ttccccctg ctggaccctt tttctctctt cctactcaac      60
gaccagagacc tctcttgtct tttgtcttcc ctacccttga caaaacttga tacccaacat      120
aaacctacta ctactacatc ccatactatc atcatcatgt ctatgggaat catcaccatt      180
gtacatgccg ttctggctgt ctttctcatc atcgagttag gcctcacagc ttacatgggt      240
gatttcaccg accactgggt gaccgactcg cctgcctcct tcgccttctt gctcttctgt      300
tccgtctggt ccatcctcat gcttctctac ctggccttga cgcctctctt tgctcctcgc      360
atctaccaca acatgatcgc tctcggtatt ctgcctctta cctcgctctt ctgggtttgcc      420
ggcgctaccg ctggttgctgc tcacatcggc gttcctaagt gccacggaga caccgctgc      480
caatccactc aggtctggcg tcgcattcgg ttacttnatn tgggccatnt ttactggctt      540
gaccatcatg gaggtctttg ctttcatgcy aggacgtggc cacactgcac acgctgacac      600
taagccccgg tcacaactac ggtgcttaaa atcagataat tcatcggaga cgtaatnaag      660
tgatgtcgac ctgaggagga aaanaaatgg cgnccgagtt ttgtttattg gttgactttc      720
cttttaattg tcatgtcatg tcngtcatg gaaacggccg caagataccc ttctgtcaga      780
agtgcccggt acaggtctac cttttttgta ttatacgttg tattaatggt atattggttc      840
agacaaaaaa aaaaaa                                     856

```

```

<210> 1711
<211> 644
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

```

```

<400> 1711
aaacaacca cctcttcacc actatcacat aaaacttata aatctcgact ctttactcta      60
aacaacaatc tacatcaacc atcaagatgc aattcctaag cctcgctcct atggctactt      120
cagtcctggc cattcccgcc aaactccctt ccaaggcccc agcaccaaca tgtatggaaa      180
agggcacaaa ggtctcttca tggaaactca cagactttgt ctacaacgct caaaagagca      240
caaacaccgc cacagtcgag tttgacctcc acaacgctgc tctcgactac acggccaact      300
gctacggcaa gtcagtcctc aagaaggccc tctttgatgg caagaccgac tacacctgca      360
aggtccccc aaaggccgac tctgccacct tcaagtacaa ccataagaag ggcgtcatct      420
ccgttttcca gcaactgggc tgcgtccagg aggggtggtg gttcgaggcc atcggcaaca      480
agacttctgc tgagaccaag tcgaattgtc actctacaac caagtccgag acttgcacaa      540

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aggcctcctt nctgggtccgt tctcgaaatg cgtgccgtct tgtaagaagc gacactaaga 600
ccgaatcgca tcttcttttc ttttggcgac aacatttttt gacn 644

<210> 1712
<211> 645
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 1712
cgaataatgg ccacgggtacg agaaggagct cgcatagcga gctcactggg acgaaggcaa 60
atccctctac gggctgcccc catttgtgca cgaagatatg cctcgactgg ggccgagaag 120
tctctctccg atctggcaga tctcgacaat gcctcctctt ttgcgacagg tactcccgat 180
caggcggtcta tcgaggcttt caatgccaga gaaaaagcca agggaaacagc caataagctt 240
cctggtaaca gatatcagta ccctcctccc aagtattacc gtggaccctt ccatcccgtc 300
caggttccca agtctccga cccgactgcc cgagacttcg tccccggtcc cttcaacttc 360
cctcgattaa ggcatacata cgagaccaca gttgctccgg acttgatcac tatgacctac 420
cagcacattc caccgggcac agaactaccc gtttccaaca agggtaactt gagagaatgg 480
gacggctcct cccttatcat aagaacagac ctgcgcgtgg acctcgtgga ggaggntctt 540
tgagacttgg attgggtcgaa cgccctatcg agtggnacaa tggtnccgaa atcgaggntt 600
ttaccatcaa ctnattcgtt cttttaagct ccagaataag gggtc 645

<210> 1713
<211> 560
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

<400> 1713
tgctcccatc cagaacagtg tttacctggt cgccatggct ctcatcgccg gtgctcgcac 60
ctaccaccag gttcgcgcaa ccgtcaaggt tggtttotgg aaagtcatgc gtgtctcatg 120
gatcactttc cccatctgcc tggttttcgc ccagaaattc cttcctgacc agctctggat 180
tcctctcttc aacattgtgt tcttcatcat tggcacttac atcaacacaa ttaccaagaa 240
aaaacgcctt gcagctctcc gtaagaanca cttcggcgac gaacgccgat ccaacnctgg 300
cganatgcgc ccangccgcc ccgacaanta cctcctcctg gtatgggcgg tgggcctaac 360
ctccttacta agtgacacaa tctcaactgt caatccgagc ccggtgaaac cnagaagana 420
gtttaaagan ganaatgggg gtggngaaga ntttaaaaaa aaaggaaatg tggaaactgaa 480
aaaatagcca aatganngct tcttggtngc gaacggataa cacaaaaccn tgctcggatn 540
gggcggcgct ccttgacaat 560

<210> 1714
<211> 256
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 1714
ntngcgtcat gcattaatnt taggangatn tatcaaaggg atttatacan tcattggnta 60

atgatgtacn caactatntn cgatctattn atatctaata ntgactntcc ctggtggttaa	120
cacgaacgat attgtcgagg cattgaattt tgggaagatt gtgggtgcgg cgttggatgt	180
gaccgatcct gaccgttgnc taanaacaan ttttttgggc gtaaaaatgt gattatagn	240
cccaaatcc ctttaa	256

<210> 1715
 <211> 240
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(240)
 <223> n = A,T,C or G

<400> 1715	
cacanaaaaa nggcgataag agggatacac aggcanaatnc cagtaatggt aagcagcctn	60
tgcacgtgct tgtacgcgta aatcatggca gtgcgctcgt cggacccgac agggaagtcg	120
aggatggcgg aaagaggctg caagtaggtg taaacggcga gtgtcttntt tccaaagctg	180
gaaaagctg gaaccaaacg gacaggcaan acctggggtc caanatggcn cccacacag	240

<210> 1716
 <211> 459
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

<400> 1716	
aacattttga acaaattact atttcttatt caatatatac aacccaacaa tcatgtcttc	60
tccaacaac aagtcacctt ctgctctcaa tctcgatggc accggcgacn anaaaccccg	120
gctcactgaa gaggaaaaga agcaaaacca cattgcatca naacaaaagc gccggcaagc	180
aatccgtgaa ggttttgatc gtttgacaga gcttngccc ggcttggag gacaggggag	240
atccgagggc ctngtgctca agcgtacagt ggactacatg catgatcaga ttgcagagcc	300
ccaaacgttg atcgacgaa ttgaaccggt ggtggccagg tggacnacca cacaagagg	360
cgtttttcaa cangtccacc aaatcagaaa anaaactagt tagactntcc tcgagggaca	420
ttatcntntt ggccgcggtc tagatntccg aggggcggc	459

<210> 1717
 <211> 576
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(576)
 <223> n = A,T,C or G

<400> 1717	
cggaaaccaca tgtgcttggt gttgtgtttc atcaaaggaa ccgaaccctt caacgtctca	60
cattgactgt caatagcgca ccgtccatcc tccttacagg gaccctttcc cctactctga	120
cctccactca cctgtccggt tagctttgtc gacataactc aaagccaagc cttgcgccag	180
ccccaatcaa aactggggac cacctcagca accatttcca tccgtcattt gccaaaaggc	240
tacgttcttc atttctagac ctttcgtcgt cacaacacaa cgctaccaa cccacgatca	300
atctctccac ctttcgagc cgatcctgac tattatcgca acctttttgc tcgcgatacc	360
actctctgat aactcgatcc cgcacgatt ctctctctca atctccctcg gcttctctat	420
tcccgaatac naacgttcgc cgtaagctgt caatatgacg ctcaaagaag aattccaaac	480

gcgaaacttc agcatctacg gacaatggct tggaattatt tccatgatca tttgtctggc	540
tgtcggaatc gccaacattt tctcgttcca tgttgt	576

<210> 1718
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 1718	
cccgaacctgc ctaccgaggc aatccaaact cctgctcgag ttcactatcc tcacttttcc	60
acatcagctg tccatagtgg gatcatagac tgcgtggcat tctacggcga ctgcattctc	120
tccagagcat gccacgacaa cgtcatttct ctatggagaa tagaaggatt ttcgtccaca	180
aaaccgcctc ctgcagagag cgaagcaccg acagctcaga ctaccgttcc aactaattac	240
gaggaagcga gtcgtctcac gcgttcggct tttgttccca caatctcccc acaatgcccc	300
tctcagtaca ccatgttgct tcagttctat acccccaact gtggcccgcga gttttttatg	360
cgggtcaaatt gcactttgtc ctgaccaaca tcccgttttg gctttctgta tgcancggaa	420
acgtgttttt ctgggacttt gaacgccttg tggcataatc cgagtttatt ggaagcactc	480
aagacctggc agggataaga gcaaattggt cttaaccanc tggtagagacc antaaaggct	540
gtccaagtna actccaaagt cggcntggag gcgc	574

<210> 1719
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 1719	
aaaacccta accaaaacag caaacccaag actgcgacag tcttcaagcc gtacaagata	60
ccaccaaaaag agtcgccagt gccattgcca gcaaattttt tggcggcaat gacatcgaca	120
ccgaataactg tggctgctgc cgttggccaa ccggtctctgc agcagtcctc gaacaagggg	180
tcaccctgtt agcccaagcc tgtgcnaaaa gtgcaagcaa cgcaacagtc gccatngggg	240
gcgtacactc caggcaaaca gccgnttggg gctaagatct ctgagacgcc tgtgccgatt	300
ccacgactgc cgggtttcat gcctgtctcg acatntanag aagttgcttc gccacaaaag	360
tacgtgttga atcaagttca ctcaaatcga catttgctt cgcatcaggg cagtttagtg	420
acgcctgtac ccgcacaaga ncaggtggca tcgtctgttc gggatggcaa agcttgnct	480
taccaacacg aaccctgaga atgcncccca aacngtattg gcagacaagc catttctttc	540
caaccacang atttcccgat gttcctggaa gcgaatctat gaaantcatg ggcagtctcc	600
tggga	605

<210> 1720
 <211> 566
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

<400> 1720	
cagccgcctg ctttttccaa cccttggtct tcactctcac caccacagca tcctcctgcg	60

<210> 1723
 <211> 659
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(659)
 <223> n = A,T,C or G

<400> 1723
 acaaccgaca ttcgttaatt ctttcttctt acggtcgctt ttaatctacc taattttaatt 60
 catcgcaatc aatcacacgt caaaatgtcc accaccgtca gctccgcttc ggcccccagc 120
 gccagcaccg cctgcgctgc tcagctcttc aaccagccca accaagacaa cacctgcgcc 180
 ctgccctaca aggatgaata cctcaccatg atggagaagt gctgtggcga cgcaaagatt 240
 gtttagctact acgacaactg cggcatctac tgtgtcgccc tcgaccagac catcggcgaa 300
 ctctccaagt gcctcttcag tgaggcgct gccgacgcc gacgttttct gcagcggtag 360
 caagaagacc acaaagacca aggacgccga tgtcccgtt accgccaggc gacggttgtt 420
 tctagcaagg acgatgatga caaggatggt gatgatgagg atagcttttc tgctggttnt 480
 tttggcacia gctaccggca ctgttttttc aacagtgaga cctnttccga gaatggtaac 540
 gctgcttctt ttttggcgcc caagagcggn atcaagactg gtgggtcttg ccatcggggc 600
 tctggtcttt tctncttcgn tgggtgggct ttcagtgnaa aatcggantt aagttgnnt 659

<210> 1724
 <211> 546
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(546)
 <223> n = A,T,C or G

<400> 1724
 ggtgcaaaag tcgttactgc cacgtacgac gacgttgaaa gcctnaaagt agcctttcaa 60
 ggcgctgaag ctgtttcact gatctcgacg tggctctttg gggaaggctc cgcgcgccaa 120
 gctcagacgg tagtcgatgc tgccaaagcc tgcggtgtta agagggtctg ctatacctca 180
 ttcattggtg ccggtatcga agccgagaat gaagaggata ttcctttcct tcctcgagat 240
 catcatttta tcgaaaagat catctacgct tctggtctgg agtggaaat ncagcgact 300
 atctctatgt agacaacatt ccgactttgt ttgcacagtc gtggaagtcc tgtggtgatc 360
 gctggttggg caacacacat ggccanctgg cgcttatgtc gcacganaag actgcggaaa 420
 tgtgctactt gcctactcct tgnaaganga aacctacnca gtttatgaga tagcggtcag 480
 aagcagtnac caacnaanaa ttgtcaaatg gatgtcgaa acaccgntac canggaaaaa 540
 ttgtta 546

<210> 1725
 <211> 495
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 1725
 gccgattctg gcgttcccgc tgctaagaaa aagaagagcg catggttagg ttcaaggtta 60
 caccacatcg ccttgccagc gtgatgaagg accagaggaa acccattagt aatgggcgaa 120
 cgtcactacc attaggcgcc tctagagatg ctccctctcc cctctcgaac ccaagatcag 180
 attcgattac agctaagccg gcaagaaaac cccttccaac aggtgacgtg gtacgaangc 240

<210> 1729
 <211> 435
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 1729
 aagaacgagg gccaaacact tcatcaagca tacgactatg tccgccatca attttatcgt 60
 ctgcgccaaag aggagcagat cgaaaagcga gtgggtcaag aggaagccaa atacgtaggc 120
 gcttacttttg gccaaacccg caccgatgtt tcccacggtc tcgaagaccg cgagttcnag 180
 aactggaaga tttggggccgg aaaggagacg gagcgacagg agcagaaccg caacgggtcaa 240
 attgagtact ttggtttgga agaggaggcg gaagaggacg ttgaggaccg anaggcagng 300
 ccggaggcca nggncgaggn cgtagaaggc nagaagttcc cttgaggcgg tgatacccg 360
 catgtacnca ccttgtttta tcgttatgta tagaaaacaa ctaccatgtt ccagaaagcc 420
 ttttggtggtg naaaa 435

<210> 1730
 <211> 616
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 1730
 gcttcgttgt tgtccgaaaa tattcaccga ccaagcgatt aattaatacg atcccgacca 60
 ttctgtcata ttcgcaacaa tgcttctga acgcgaactc cagatcaacc caattgtccc 120
 tgagtctatg attcacaaca ccaaggctct ttccaatctc cacagtctca ctgcttccct 180
 cttcggagtc acagctggag ttctcggcct cgagtctctac tacggcttcc tcgtctacat 240
 cgtcttctct ttcattacca ctctcctttt ttacgtcctc aaagtanccc ctgaatcgct 300
 tcccaagggt catgctcctc tcgatccttc gcgggttctac cgaggactct tcgatttctg 360
 ggncggcggc atctccaatg gcatctcggg tttcgtcttg acgtggacat tatttttatgg 420
 attggttagg gcataggtca acagtaccag gaatctgcat ctacctttgg cgtctttgga 480
 gttatganga aagaatttgt aaaatggcaa cgcggcatcc aaaaaatgag ctgngccata 540
 aaacaactnt tgnagaatga gaaagtttnc aagtcacaaa caaatcacna aatgctnccg 600
 ncaatgctcc accatt 616

<210> 1731
 <211> 815
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(815)
 <223> n = A,T,C or G

<400> 1731
 cttcctcttt ttgagaggct aaatcgtgga ggtattttgt ggagggcgag cactaagctt 60
 tcgattacct ataccacca nctggacaga caacgaccgc tgtggcgctc gcaggttggg 120
 gtgggtatgtg gaggatggca tgggtgattt agttgacata aatatgcgtc attcgatgtg 180
 cagcaaggac ggctcagccg agtcggacaa tcttgaagac gccgagtaat tcttctatta 240
 accttctctg ccgcaaagtt attttctttg cagctctcat cctagatcgt cctgtggcat 300


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<400> 1734
cctattttcaa catcgtctca tatcgcaagc atcttccttc cttatcatat cctcaaaang      60
gcttccaaaaa ttcacaacgt gacagagttt tcatacgtta ctctcaagca aggcataaac      120
gtnttttgacg aatccgccgc cgccaagact tatcaaaatg tcatcgacac agcgctaaga      180
caaccagggtg cacgaagagt ctacaccagt cttgagggtg aanacccttc caagttgtgg      240
ttgttcttgg actgggatac tcttgaggat catttgaatt atcccaagag cgctgatcat      300
gcccctatca tagaatctct ccaacctctg gccgattttg aaaattctat gaacaagcac      360
gtcaccctca acccctttcc ccagaggac gtctcgata gcgctagttc cccggtgaca      420
gaggtcctcg ttgctttctt tccttcagac tactccatct cagctcgggc ctccgcaaca      480
cgttgtgtgg aacaattcgc cgctcaagct ctcaaggcat taccagactg gcggggcatt      540
agctacggct ggagtgtaga gaacgatgtg cctatccgtg gtgatgaagg taattcaggt      600
gccatgcttg ttgcgtttat tggatggccg agtctggaaa ctcatcagaa tttcgtgaga      660
cggatgattt taagcagaat attggtttgt tga                                693

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<210> 1735

<211> 594

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(594)

<223> n = A,T,C or G

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<400> 1735
gaacgggctg atccgccgag gcaacataga ggtatgttca cagggggttg ggagttgtaa      60
actcggtaat gatccctccg ctggttcacc aacggagacc ttgttacgac ttttacttcc      120
tctaaatgac cgagtttgga gagctttccg gccctgagcg gtagttgcc accactctgg      180
gccagtcggg acgcctcact gagccattca atcggtagta gcgacgggcg gtgtgtacaa      240
agggcaggga cgtaatcaac gcaagctgat gaettgcgct tactagggat tctcgttgga      300
agagcaataa ttgcaatgct ctatccccag cacgacggag tttaacaaga ttaccgggac      360
ctttcggaca aggaagtact cgctggctcc gtcagtgtag cgcgcgtgcg gcccagaaca      420
tctaagggca tacagacctg ttattgcctc aacttncatc ggcttgaccg atagtccctn      480
taagaagcca gcgtactgcc aaagcaatac nggctattta gcangttaag ggctcgttcg      540
ttatcgcaat taagcagaca aatcactccc caacttaana acggnccatgc ccan          594

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<210> 1736

<211> 1026

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1026)

<223> n = A,T,C or G

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<400> 1736
tgatcgccgt gccaaaggct aatttttggt gccccgtgtg ttctatctct ggcttttggt      60
gaactttctt atggttggtc ctcgagttg gaagttcact cagcttcaac actcggagga      120
acagacattg gcgaaagcag tcccaggagc aacaaacacc cggttcaagg ctggtgcttt      180
ctgtcttggt gtcgcatggc tcaactattgt cttctccctt tatcattcga ttaagcacta      240
caaacctcgc caccgcgggt tcttcaatcg agctgtgggc tcccttcgat atgtgccctt      300
ccgttttctg cttattctgc ccttgtcagc agcaactatc gcatatcagg gcttcatttc      360
atgggagttc aagtattcca ttgtcaagta caatggaaac attcctgtga tctattgctg      420
gggcttcceta ccagccctcc tgatcctctt tgtccagtac ttctatggcc ttttcacgcc      480
taacgaagat aaggagcttg tccgactaag acgtgagcgc ggtgagatgc tcgaccgtga      540
agctcggact tgtcaataag cctgcctggt ggaaacgtgt taggggacgc catctgctca      600
ccttcaagga taagctcacc cgtaacgtcc acgagattgg tggcggtcgc gccaccggcc      660
gacgtatcga ggggtgatgc gagcgagacc tgcgagaaga agccttggct tctgccagaa      720

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acgacgacgg	ttatgagatg	ggtcacatgc	atcgccctct	ggacgctgcc	aacaaccctc	780
gagtggatcg	tgccggtgct	gcgtccatct	cctccaatgc	atcacgggcg	tcatacgtcc	840
aaccctacac	cggttaagaac	gatcgctcgc	gacatgagcg	taacatgcaa	gctgccggcc	900
agtatcntct	ttcctaacaa	cctcgccgag	gagcgcaccg	tcgtgaagct	caacttgccc	960
ttgaagggtc	ccgcgcncnc	tcntaatac	cgatggtctg	gggtagaagc	cganctctgg	1020
ggcgac						1026

<210> 1737
 <211> 644
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 1737	
tgattgcac	60
gtagacgct	120
cccatccttg	180
ccaagatgct	240
cccgcagggt	300
tcaaaggctt	360
ggtgctctca	420
cggttggtcg	480
agagtcgaga	540
ctggcaattg	600
tggtgtggaa	644

<210> 1738
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 1738	
atccccgacca	60
tgaagcagcc	120
ccctcagcgc	180
tgcgcgatcg	240
ccctactatt	300
taagttgggc	360
cccaaactga	420
aacagaacat	480
acactcacag	540
gttnacaaat	586

<210> 1739
 <211> 491
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(491)

<223> n = A,T,C or G

<400> 1739

tgcanaacnaa	gctgntcata	acgagatatc	tgetttgntc	atctgcatat	aaaaagctgg	60
ttagcaaaaag	ttncgaatat	tattcctgca	agtagctgta	gtanacgtct	ccanagtgat	120
actacaacaa	cggctgcnaa	caacgcttag	ataatactcg	cgttacccca	aaactttctca	180
atctggcntt	cgattttatt	agttgcgntc	attgtntata	tgagctgacg	aanaggcctc	240
tattacaaag	atggcttaca	acgatgactc	cgtactggcg	cgactttcat	cgctgaatga	300
nagccatgac	agnatcgctc	tgntgcacaa	tgggatcatg	tttcataggg	cgacatgcan	360
agcgaacccg	tgcaactntg	ggtgnagagc	cttaaagact	cgtccagcac	aaanagactg	420
acttgattta	tctcgccacc	gagggggggt	aacagtccaa	aatcngncca	agggtgactt	480
cattattggt	t					491

<210> 1740

<211> 617

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 1740

gctgccggag	tttcttcctc	atcccactcg	ttgtcattct	ttagagggtt	ccagtcgctc	60
attacttgct	cctctccaca	tcaacgtcga	gatgaagtct	aacgctgtta	ttgccgttct	120
tttctcactc	agtggttctg	gggtttttgc	tggcccttgc	aaacctgtaa	cttcacaggc	180
cactcagggt	acgtctgcaa	ccacggagga	gtccactttc	attgacttga	ctaccactat	240
cacggcatct	gagaacaccg	ccgaatccct	cattccctct	accaccgatg	tgggctcgga	300
gaccaccgtg	gattctactg	tcgagttaac	cacaaccact	gcgattgccg	aaaccacgtc	360
caaggatata	gatgcaacca	ctacaacctc	tgagcccgtc	nacgactaca	acaagccccc	420
ttcaatgecc	tactccagac	acttgcaaca	atctaagctt	cgactggggc	tacttttagca	480
accctgctca	gaacaccgat	accacatact	ccaactttgt	tcctcagtc	ttccagcaag	540
aaaatcctat	ttcggtcggc	accaccagta	ggatcgggtg	antataccaa	aattggaatg	600
gcgencaggc	tntctcg					617

<210> 1741

<211> 566

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(566)

<223> n = A,T,C or G

<400> 1741

gagtcgacag	tcattgacgat	tcgaaatggt	ggattcaagt	ggaggcctgg	acagcatggt	60
ttgatctggt	cgcctacttt	tcgatgggag	acgccgcac	cgtttactat	tacgaatatt	120
cctgaaccac	aaacgagaac	gcaggatggt	caattgacga	tcaagacaaa	gacgggtttg	180
acgagagatt	tgaacgattg	ggcgagaaga	acgggattga	gaggggatag	tgggaagttg	240
cgcgtgatgg	tgacaggacc	ttttggggcg	gtaccgaatt	ggaagcagca	tgagaatata	300
gttctcgctg	cagcatctac	tggaggatca	tttacgacgc	caattctcga	agatctactc	360
tcgtctcaat	cccctgggtg	tatccgtacc	atcagcgctt	tgtacatcgt	ccgtcgcaaa	420
gcccacgccc	aagtctacct	cgaacgtata	acccgtctac	tctcgcgcg	caaaganatg	480
ggtatctcaa	ccaagattca	agtccagtaa	ccagaagtcc	agccctgtnt	ccgaagcagt	540
tctccagatg	aaagccgcga	gagatt				566

<210> 1742

<211> 646

<210> 1747
 <211> 948
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(948)
 <223> n = A,T,C or G

<400> 1747
 tctttatata acaaccatac actatctact attactacct actatctata tcaatactac 60
 ctactaccta cctacttgga cgacacacat caaaatgcct tcaaagctac tctcaaacia 120
 gccaaacaag accatctaca tcgatatcat cgccaacctc tcagaccctc tctcctccat 180
 gtcactctacc ttctctctcg tctctctctt gaccatggcc taccacgtcc gaacaccaca 240
 acctgccagt caagaacggc ttctcacact cctaaacaca atgtcgccag ccctcagaac 300
 acatgcgagc ccaagatact cgcgcgagga ggtctcaact ccttcgtcca cttctcagcc 360
 ccgtccctcaa cggcatggca ggcatgttag agctcctcgc aaacgtcgat gccttctcgc 420
 gtccagaaga ttctcgtcag ttttggagcc tcgagcaaaag caacctcatc agagactttg 480
 tagagagtgg gggacccttg cgggggatgc agggctacga cgtccccctt ctcgagactt 540
 ttgtcaaagg actcgtcgtg caggatcgct cttcggaagc aaccagggca tgcttctgct 600
 agtccctgcc gatgccgagg tcggcgacaa tgtgtggtgg gacgaggatg aacagcgtct 660
 tactgtcana aagggtgttg aagatctcaa cacaacgcc gaagcatacc ttgacaatgg 720
 ttcaaggata accgccatgg ctatctcttc tggcacttga aaacgttttt tttctcatca 780
 tgacttgacg aattttctac ttacggacac tttttttttt tgggaaatga agatgggact 840
 ccgatttgat atccccagcg ggatttttct ctctcttttt tttttncttt ctctattggg 900
 aactggattt gcagcagagg ctactgggct tactggaagt acaatggc 948

<210> 1748
 <211> 601
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 1748
 atggagactc cttttactgt caaggctcag ccaggaactg atatctggaa gcagcctcct 60
 tctacagacg tcttcacagc tcccttcgcg cctcactcca tcgccccctt aaagcacttc 120
 gtctcagcaa caatcacctt ccgtaccacc tacgttcacc aatacgacca agcctgtctt 180
 ctctccacct tcaccaagcc tgccagcaca ggtgccccca ggaagtggat taagacgggc 240
 atcgagctgt acaatgagca cccccgtac tcaactgtaa catgtgactc atgggccgac 300
 tggagcgtcg aggcggctcg acccaatgat gtagctggtg tcaagagtgg tgagaagacg 360
 ttactattaa ggcgatgaag gtgaaggatg cactgggtgt ctgtctctgg atctacaggg 420
 ttgacgagaa cggagaaaag acccgttgag acagacaaac tgggtgtacg gcgatnaagg 480
 tggcgaagga tggganctcg aggtctcacc gctgtggcta gaccagacct tacaagaaca 540
 tcgaggaaca tcttgaagct acnttcgaca agctggaagg tcaatgggaa aaacctacag 600
 c 601

<210> 1749
 <211> 529
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(529)
 <223> n = A,T,C or G

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

 <400> 1752
 ggctggccgg tccgcctcac cgcgtgtact ggtccggccg ggcctttccc tctgtggaac 60
 cccatgccct tcaactggcg tggcggggaa acaggacttt tactgtgaaa aaattagagt 120
 gctccaggca ggcctatgct cgaatacatt agcatggaat aatagaatag gacgtgtggt 180
 tctattttgt tggtttctag gaccgccgta atgattaata gggacagtcg ggggcatcag 240
 tattcaattg tcagaggtga aattcttgga ttattgaag actaactact gcgaaagcat 300
 ttgccaagga tgttttcatt aatcaggaac gaagctccgt gatggccaga tatttctca 360
 tcaaaccga acgagaggat gattgtgcgt cgcggcttga atcctgaatc tatcagagcc 420
 tctaccgctn a 431

<210> 1753
 <211> 358
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

 <400> 1753
 cgtgctcaca aagcagagca agacccttat cgcagtaatc tccggaatta ccgccctgat 60
 gctttcagca accaaacct tggatattct ggtacttgca ctctcctgta cgcggaagaa 120
 ggagaccogt tcaaaatcac catcgaggaa tctggcgtga agactactgc gtctttgaca 180
 acctatttac cggaaatacc cgatgatatt cctttcgacc gactgatct cacttttaa 240
 attatcatgc aatctcgaac actgntggac tcgctcgcan aaatttctcc aacagctcct 300
 ttgaagttga cagnttcage cnccaaagct cacttttct atncttggtg gtataaga 358

<210> 1754
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

 <400> 1754
 tggagacca acccgtgagg ggtttgtttc gtaaggaggc atgtctcaat gttgatttca 60
 agcatggcgt tcaaaggatg aacactggga gctactacta gtattaatgt cattcttaca 120
 gaaatcattt ctgcctgtca ttgtcgcaat ataccattc cttttctatt tcaacgccgg 180
 atgtccttta cctgtattgt atcttttgct gccagaaccg ccctatgcct ttttgacgcc 240
 aagaatttcc tccactcat gtcgcatgtc ttccattctc ttccatgatt cagcacccaa 300
 ttcttcaaac ctgatgatat cttccttggt cacgtcaaca gctccccttt tacgcccac 360
 cgtctttttg aaaacaccaa cagcgggtatc ggcattttaga gccgccgcat cctcaacctt 420
 gccctcccag ccccatcctt caacttctgt cttcttaact tcaacttgca tgtgacgggt 480
 tgagctactg ccccatctga tgcgctcagc gtccaattcg tcaagcgcan attgttctg 540
 tagggcaatc caganaggcg anttgggcac cngtatagct gtctgt 586

<210> 1755
 <211> 1146
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1146)
 <223> n = A,T,C or G

<400> 1755
 gnttatnctc agaccacat cgcgaccaca ctggtggact nacagcacat ccggcagacc 60
 agtcttgtca tccaaagatc tccancgagc agagaanggg actgtggatg ggacttagca 120
 nagatggcca tctagccgta ctnacaaact atcgagaaac cnacatcaag gatcaaaatc 180
 atcctattca tgccgccaaa agccgcggtg gtatgntcac ngcttggctg ggaacaccac 240
 ctgangagag tctcaaagac agcgtccaca aactggtcna gaacgactgn gtnaagaggt 300
 gttggaggat tcttcatggt tngcggcaag ttgagaaaaa atacttacgg tattgccatc 360
 gtttagcatcn gagcatgcaa cgtcnatatg tgcccattat tgccaaanan cgaggcgaga 420
 tgtgggggtt gagtaacacg gnctttgatg caacagtcaa ggaagatgaa tggggccanga 480
 tcttcattgg aaagaaatc ttccgggaga gccattgaca gttccgtatc cgacaagtgc 540
 agtcaagagg agttgatttc caacctggtt ggacgtactt acccacgaca cactaccgag 600
 gaacgaaaaac gcaagcctgg tcgaatatat caacgagctt aagaaaagcg tatttattcc 660
 attgatcggc gacgaaaagc atcggaaagc aatggaggcg gccatggcga aaggaccggg 720
 cgagtgggag acagacgacg aaaaagcagc tgaggagctc atgtcggaag gacgaccgga 780
 tccaagcata acacccatca tgggcttcga gacgggcatg tatggtacgc agcgtcagac 840
 ggtagtgttg gtagattggg agggtaaagt caccatggtc gagaggcgcg tttgggatgg 900
 taatggcaat gctgtgccta aaggagaggg agacttgaag tttgaattct ccatcaatgg 960
 atggaatgat gaattttgta atggagtaaa tggggagagt aatggacatt tttaatgatg 1020
 ctgaacaggc atggctggcc cgcaagaagc ataaanaca aaatctgtag gccagtttat 1080
 ctctttaaac taagttatgt cagggactca ctgtcactgc taccctaana aataggaggc 1140
 cgtgcc 1146

<210> 1756
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 1756
 cagttcacgc agaagaagca gaaggctgaa gaaatcgctt ccgataagaa ggccaacatt 60
 gccatgacca aggaggacag cattttccct aacatcgacc tccctggtgg catcagcacc 120
 aaggccaccg agtacaagga gcttgcccgc aaggcgaca agtgggagag ccctgtcttc 180
 tccatcggtt ctgctaagaa gagtaccgat atccctgccg tcccaagat ccagcgcaag 240
 gctcaccccg tatccaacct cggtcctaag gacaccaacg ctgactacga cttttacct 300
 gctggcaacg gacaccagca cactggtaat ggcgccatga acggcaatgg ctaccacgctc 360
 ggtcacggag acggctctgaa cggtgccgtt aacaagcaag caccttgctg gcaatggcct 420
 caacaacggg cagatcccac gggacagggtc ctatggctgg acagaaccat gaacactgnt 480
 tanaacctt gtgacgagga tgccaactag cccaggaaaa taatggtgga ggattggtgg 540
 atgttatacc catgcccctg ccttgagtgg ctttatctct ttggttttga aaccacactt 600
 ggaagcanc nctggcgga aaagaacaa 629

<210> 1757
 <211> 538
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(538)
 <223> n = A,T,C or G

<400> 1757
gcagtgaacg ttccgttgac gtatatacac ctgagggttg cgtcgttata gacgccagtg 60
ttgacaccaa cgcctgggtt gtcaagctgg cagatcctct agtcagaaag ataaagtggc 120
agaacgttcg tgggtctaggc attgtcacta ttacaggaca gcttcttgcc acacatctca 180
acgaagctgc agcagccgat gaggacatcg ccaacaagcg acaaaagacc gaagagcccc 240
cctcatcgac taccctaacc aacacggcgg cagccatncc ctcggccaca cctgtcctcg 300
atgttctccc cggaacctt atttctgctg tacgtctcgc agcccaacca ctacacgttg 360
gtgacctcgc ctggccgacg tgcgtcgcgc catgcantcc gccggccaca cggcggagtt 420
ccgtggtgag ggcacactgg tcgttgacng nactgtcgcc ggtcgcaaga ngctctgcagg 480
tcgtgtcgaa nttgaanagt gtgggcatgc cgaccgctcg gcgaagtacc ttctatga 538

<210> 1758
<211> 436
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 1758
ggccaggtc agggctcttc cttcttcgag gaggccatag gtggctctcc ctttccgcaa 60
gaaatacctt tcgcccctcat gcaacctccc cattataact ccacgccaag tatggtcaac 120
ggctttccac cctcagctgc tatagtcca agctgcgagg ccgaacaaaa gtccgcttgc 180
caactcgggt cccgagacac gcatcagctg agcataaaca cttccgacga agcaaacggt 240
caagctatca tagtaagatc tcccaagccg aagagacgcg gccgtaagcc caagggagcc 300
tccaaagatt cagcaaactc cggacgacat agtgctcgat gaaacgacct ccnagggac 360
cccnggcgtc gtngaantct tggagcgcaa cagaataggn tgntaccaa ggtggctccg 420
aagcgggatg aagcat 436

<210> 1759
<211> 659
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(659)
<223> n = A,T,C or G

<400> 1759
gaaacatagc cttgaaatca tgccaggcat ctgcacattt accaatggct tccgtcacc 60
gttcatcgcg gcgcgctgaa gttccgcatc agcatcatca tcaactcgac caccacctgc 120
catccccaac aagcgtatct gccacacccc agngcggagg agcaccangg gcaaggcgca 180
acaaganggc actcgatgca cagcatngcg actttgatgc gattaagccc aagaaatcgc 240
gtataacagt cgaagtctct gcaaagggnt cccacagact tcgtgtcgcc aacatcgaca 300
acaaaagagg catcgtcgcc ccgcgcgcca aacctctgcg acgcctacag ttggcgaatg 360
ttgacgacgc ccaaagatac cttctcccc gaacgacaac gcgaaatcga cgcaaaagca 420
aggacaagac cccttacaac aacaccaaag caaggctcatt aatgggctaa aacacgaact 480
ccaccggata aaaacctcaa nccaagcgat accaacacaa nagaacaang gccggaanct 540
ncctctcaag ggaagcanca aggtttaaga ncgagctttt ggccaanttc ccggattaca 600
ataaggtaat tgnaaacaag cccaaagaan aanaaatggt taattgcgna aacccgatn 659

<210> 1760
<211> 299
<212> DNA
<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 1760
 agaccctgac agcagcggac aaggacgcga ttgcttcggc catcaacgac cttgacggtg 60
 cacaactcga tcgtgccatc gatatcatca agcgagacac aggccagaac gagaacactg 120
 acggagagct ggagctggat attgaccanc ttancaatga ggcatcgctc aagctgtggg 180
 aactgtgtat gaaggtgctc ccnngatttg gtaaggactc taacgtacca tcttctcctg 240
 aagcatcccc agcggcgcct cccaagcatt ccaagtcntc gtcgacntcn gcaaagccc 299

<210> 1761
 <211> 1071
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1071)
 <223> n = A,T,C or G

<400> 1761
 gtgatatgcc accttacttt attgatttga ctttacctgg gactgtcaca gtttaaatctg 60
 aaacaaaact cgacctgact cgactcgact cgactcctgc aacgtcgctg agtctttcta 120
 ctccgctctg ttccctctgt tccgtcctcc tccctccagt caaagtcctt tttggcatgt 180
 cccatcagag gtggcccggt tcccttcccc atoctcgat cctctctccc aacttagatc 240
 tcgctctctt taccgatcca ggacttgtgc ctgtccatca gacactctct ccacctgcta 300
 gtagtagtag gttcattggg gcgtaagatt ctcaacttca cctcacctt cactcatccc 360
 atttgttgct ccttcgacac caaagtcctc tccaacctcc cttctttctg gactattttac 420
 tttccgtcgt gcccatgata accgggttct cgtctcctct ctttcgtcac tttctttcat 480
 aacacacccc ttcttcacaa tgtcaacttt tcaaaagaag ctcttagcag ccatcatcaa 540
 gagcctcctt cgagggaaat cactagtcca agtccctctt ggcttactgg agtagctcgt 600
 tgggcatga tacatccggc aaatctcgag ttggtaacac accgcgcaag tctatccaag 660
 aatttcttaa agaggccgaa gatctatttc tcgaccccg t agccaagat ggtctccaac 720
 aactatctcg caacatgcgg aagcaactcc tacaacgact tgagaccgac atggaatgta 780
 tgctgccatc gtatagtcac cagttgccaa gaagcacaga agtcggccgt tttgtagctt 840
 tggacgttgg cggttcgacc ctacagantac attggtggaa ctttgtggtc gcatgtccaa 900
 tatcggggaa natctangat tgtcagcatg cgcaactttc gcatcactcc tgatatcaag 960
 gctctanaag gaatggcttt ctttgactgg atggtgaaa aganactgga aactctttcn 1020
 ggaaactaaa caacatgggtg gatntgaang gcctttgcct atntcaatgc a 1071

<210> 1762
 <211> 535
 <212> DNA
 <213> Fusarium venenatum

<400> 1762
 atcgcaatcg cagactcccc cgcgctcgtt caagcttacg ttccttactc aaaccgccaa 60
 aatgaccgc gctcagcaga ccattctctt cgccctcctc gtctcctccc tctaccttgc 120
 tctcttctt gagctcatcc ctcttctctc cctgatccag gagcagatcg tccccgtgct 180
 tcccttctgg gctctcgtgt cctttggcgc atacctctc ttccgacttg gcttcggcat 240
 cctcaccttc aacgacgttc ccgacgcgca caaggagctc acaactgaga ttgagcaggc 300
 caagggttag ctccgaaagc tcggcgctcac cgtcgactaa acgactaccc gaacgaacca 360
 cgatttagat ggagggcaaa aaagggggat ttggatggat gggatgaatt tttggctctt 420
 gaggcctaata caaatttaata ctacgataat ctggtatctc gccgggtgcga cctgggcaaa 480
 aaagatcttc cttgacacca acgcgccttc aatgcattcg taaactttgg catct 535

<210> 1763
 <211> 581
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(581)

<223> n = A,T,C or G

<400> 1763

cagggcagtt	ggttgctggt	agtgtttgcg	tcagaaagca	aagtgaagca	aacggaactt	60
ggctcttggt	ctttattata	ctcaattggt	tctttcttat	actttttcta	agtttggttt	120
gaatgaacag	cgctgcac	aatactttat	tacttcaaaa	attctttaat	taattctttt	180
tcgcgctcac	gtgtcgccga	ttaaaagcag	actcactgtg	tctctgttgc	accaagcacc	240
acaaaaaag	atcggccctg	ctgcgtacat	cttctcctc	aaactccgtc	tcttcttttc	300
ttcccgcgca	caaacttccc	atgaagcttc	ctcgcgtgtc	ttaagctttg	ccctcagctt	360
tggagctgtt	accaagaatt	cgcaatggcg	tcnacaatca	cagaagctca	ggcggagctt	420
attcgctctc	ttgccccga	cganattccc	atcaagctgc	gatgcgcgat	ctgtagtaaa	480
ctcgcggtca	acgcttaccg	tcttccctgc	tgcgancaag	caatctgtga	atcatgccag	540
tccaatctac	cgcatcgtg	ccctgtttgg	gaanactcgc	c		581

<210> 1764

<211> 835

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(835)

<223> n = A,T,C or G

<400> 1764

gaacaattcg	tggccgcagg	aatttttttt	tttttttttt	tttttttcag	gagagagata	60
gtagtattga	atttactgag	aaattgccag	gaaagttggc	ttattcctaa	tcctagtctc	120
tttttttttt	tcccttctctg	ttcctttcaa	ccgagcgata	gctgaagccc	tgcttgcttg	180
ctcactaact	caaccgaccc	ccccnttgna	agattttttt	tgggggnggt	ngangnctgt	240
taattttcca	ctttgtcctt	ttctgggaag	cacatttttt	gcttttcccg	tttaaagtgt	300
atcctttgtt	ttccgtgacg	ttttgttgtt	aagaaaaatt	gcaatttgaa	tcctgagtag	360
aaagatgatg	atcgctgcgc	tttgcccat	aaacaaaaaa	catattcatt	cattcaatca	420
ttcacataat	ttagtgaaga	acgacatcat	ggaagtcatg	cttgtggtcg	tcggcgtgct	480
cgccccagtg	gacaggtcca	agcttgagaa	tgccgtagct	gttgttgagg	ttggagtttg	540
agctggtgtt	ggactcgact	gatgatcgtc	gctcggtaga	aggacgagt	tgggagcggg	600
cggcgggctt	ctgagggtat	gaaggagatg	tagccggtgc	gagtgaagg	aaggatgact	660
tgggaggagg	agtgaagg	aggaagtgtt	gaggaggaag	gtcagacatt	ttggtagagt	720
tgagttgagt	tgagttgagt	cgagagttgt	tgtaagatga	gttgatatgg	ataaggtgat	780
agttgttgat	gatgttgtgt	tgaaagtgtt	gatagataga	gacagaagac	aaaac	835

<210> 1765

<211> 620

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 1765

ctcgactcct	cctgcttcc	ccctcacccc	ccgtttcgtg	ccccattccc	cataatcgcg	60
cgctcgcgtc	gtctacttct	ccaggcccag	tcgaaaaatc	ttcctttttg	aacttcttca	120
atgaggcctg	tatattcatc	ataactttgt	ttgtgcctc	tttccccctc	catccctccc	180
cccgcacatg	tccccttatt	acattctcta	ttcttttttt	gcgcctctc	tcaagccgca	240

ggctcggacg	acgctcaacg	accacaactg	tccaaaaatc	cacatcaatt	gcattgcac	300
ttcgcttgag	caataaattg	cttcgccaca	gtcgttgagg	ctctacagct	atttagaatc	360
acgacctgtt	cacggctaag	gcaggccttg	ccttgccctc	tctttgcacg	agcatccttt	420
gnaataccgg	cggtcctgga	tttcttccgt	cgcacgcgcg	tctttcaatc	cagcctcccc	480
gttctgtcga	atacgctcga	attaatgctc	ttcgacgctt	tcacgccngc	atctcctcgc	540
tatcggtcga	gggcgnccca	acaacaacta	ctaaactggt	tttcaaacaa	tttcatcttg	600
ggacttgnct	ttttccgcn					620

<210> 1766

<211> 625

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 1766

attactcaac	cgtatggact	gaagagaaaa	tctattcgtc	acaatgggtg	tccagcatga	60
ctttctat	tttctggaga	gtacagcgac	tttactactg	tttgtaacga		120
tcgtgaatac	aagctgcac	aagtgtattg	gtgcccacag	tcacgcgtta	tatcggctgc	180
tctctctggg	ggatttcagg	aagctacaac	gaaaattctc	actgtgaacg	agttcgatat	240
cagtaccgtc	caatacatga	tagcgtttct	ctatgcagga	gagtaccaa	tccattctaa	300
aagggcgaaa	aaatccactt	ccgacgatgc	acacaaccag	gacgacacag	atgaagcgtc	360
gcagtattct	ataaaacaac	ctgaagatga	aactgtcgat	gatctgatct	ctcatctacg	420
cgtcaacgca	attgccgact	actataatat	tcaaaagttg	gctcaactcg	caacctcaaa	480
gattcaagcc	atcctggaca	aaggtcaaag	cgccgaggta	tttccacaaa	ttattcaaga	540
agtggtcaact	tcaaacagag	atcctgacat	cgactcaatt	atcgcttcan	cccgcggntg	600
cacatattga	ggaactctgc	gaggt				625

<210> 1767

<211> 466

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 1767

cgaggagtgc	gttccttctc	agtctgtgac	tgtatcaccc	aaggagtaca	ccaccgtcct	60
caccagcgtt	gagtactcta	ccatccaggt	tccttgccgc	actggcacca	accctgccac	120
tcctgagcag	nctgagaacc	ctgagaaccc	ccagaaccct	ggcgagcctg	aggttcctgc	180
tcctactgga	cctgctgttc	ctcctcccgc	taccaacccc	atcggnngng	gcaaccagac	240
catgcctact	cctcccgtcg	cactgntggt	gccgctacct	ttgncggctc	cgtttnttcg	300
ctgccgccgn	tggtatcncc	ctttcatcat	ggtttaaact	natccaattt	cnaactccct	360
gttaggctgc	tggtctntgga	acttnaagac	tntttntttt	taaagntttt	aatggaaaaa	420
ctcgactagg	gctttgaaac	cnccgtttct	tggcggtttt	ntttgn		466

<210> 1768

<211> 573

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(573)

<223> n = A,T,C or G

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<400> 1768
ccctactccg ccacaagcgt cctccggggg ctctcttgtc ccgcctccac ctcagcggcc 60
cctctctgca ccaactgtcag ctcagccaag cgggttctcg cctcctccca tgatgcccc 120
gatgacaggt gccctgcagg gtcaagtgtc tcttctctgg ccagaagcct gagtgatctt 180
acgcaagctc gcttgcaaca gcaatacacg gctcaaatgc agcaacagca acccttcaac 240
aaatgcagcc cagcatgact gggattccct ggacagcaag tcccgacag atgcctttcc 300
aaactggccc tggacaattt atgcaaccga tgatgacagg gatgcaggga cagaaccagt 360
tcatgccgat gcaagctcaa ccactggttt ccaacaatcg ttccttgcca cgcagtcgat 420
gtacggtgcc ctactggaag catcaacagc tatctgccgc ccgctcttga ancacagcga 480
actggcatgc ctggtttctt tcctcnagca actggaatgt caaaatgggt aacatgggag 540
gcatgaaaaa agcgccaacc tccaacctct gca 573

```

```

<210> 1769
<211> 426
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

```

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<400> 1769
tgatccccag ggcagggatc ctagagatat ccgagagcga gatccgcgag atgggcaatg 60
gggtcgcgatg ggcgctgacc ccagctatcg agcccctatg gatcatcaac gaccacatcc 120
cgactatcct ccttctgcca cgccttacc tctctatggt gtttaccag gtctctccacc 180
cgatcgatat cctccttctg cgcattctat gccaggcccg ccaggccaaa ccatgcccc 240
tggacccgac cttatgactn tcccgaccga gcccgaaatga gtttaaatgta tgcacaaaac 300
aacaacaacc cgaccgaaac cggaanaagg gggccccccc ncggncatag nttanacgga 360
gctctggctn ggacnacttg aatntcccga ccccgcnatag ngtgatgcgt anccccaaag 420
ccaggt 426

```

```

<210> 1770
<211> 593
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

```

```

<400> 1770
caaagggttac accatcatca atcgggtttcc atcgattcct atcctctcag cacactttta 60
aaactgctcc atcgggtttc tcttggtata atcttctaga aagcacgtct ttcgcaacac 120
gaacaatgtc tcgcgcgcc accaccctt acgtgaccgg cttcagccac ggtacccgag 180
ctcgcgacct cgcctacgaa gttcgaacgg tatgtcaacc tcgcccacgc tcacgcccac 240
gctctcgtcc acgtcccggt cctatcgttt tcgcgctcgc cttcgtctgt gtctgtgcca 300
tagcctaggg actcttttga tgcaatgcaa aggtctcctg cttggccatg atgcctcgcc 360
gtccatcgtc gtccctacgt cctcgtcctc ccggttccgt tctcgtcgcg gccacgccc 420
cagcactctc tctcctcctg tctttccact ttcttcgaag ggantgctcg tctatcgcg 480
agtcgctctt ctgctcgagc aaaccatgaa tgccgtgcgc attcgtatcc aaaagggggn 540
gtccgtcggc atttggctgc gttacaacgt gttcatant atactgaaca atc 593

```

```

<210> 1771
<211> 611
<212> DNA
<213> Fusarium venenatum

```

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 1771
 cttggaagga atcaaggcaa cgcattctcgc tcagaagaaa aaatcgaaag atcaaactcc 60
 acaatcgaag aaacgaagtg ctactagtcc tgtcctacca gccagcaaca agcgcattgcg 120
 aaatgggatt gcgacaactc caaagtccaa ctacagagaga acacctcgat cgtcgctga 180
 aaaaccaata ccttggagtc cgagtcgga acgcgattcag cccaagcagg cggcttctaa 240
 aaagatagca actgatacga tcaactcaatc gtcaatcgta cactgagactc caaagacagc 300
 tggagggcca ggcttgcgac tgcgacaacg acaccaata ccgacgttcc aaaacccgcc 360
 ttcattcagaa tccgaatatg acatggaaac gagaatccca gatgcccaac ctctcctcaa 420
 tatctcaatt aacccaaatg cggttcgttc caaccgagcc gtgccgtctc cgctctctac 480
 aaacaaacca atgggtacac caccatgcgc ccagccgagc aattccacac aaacatcagg 540
 ccaggatgca gttgttccaa gcaaaacatc tncggatacg aatcgacggg tagaaanggg 600
 cacaagcccg g 611

<210> 1772
 <211> 628
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 1772
 gatttgtctg ggtcaatgag cccgaccagg acctcggcga tggacgcgtc gtcaacggaa 60
 agtcaagact cttcagcata ggctatactt ctacagtcac cgaatgggat ctcgagacag 120
 gacggcccaa nagacacgcc agcggccaac atggagacat ctggtgcatg gctgctcaac 180
 ccggtggaag cnacaaaacc ggcctcggcg tcnattccca agactctacc aagcttgcg 240
 ccggaacaat tgatggcgag cttgtcatgt actcgattga ggacgacgac ctgcgatttc 300
 agcgagttct gttgcgacgc cctaccaaga aggtcagat ggtcagcatc accttcagtc 360
 acgcagagtc gccattgtcg gctgctccga tagcacgatt cgagcgtacg atgttacaaa 420
 gggccacatg ttgcgcaaga tgacactggg cgctgaccat ganggtcgtg ctaaagatat 480
 catcgtctgg tctgcaagtg tctacccaac ggnaacatng tcttgggcga atncaactgg 540
 ccaagttttg ccttttggga tgggaagaca tntccccagc ccagcgaat tcagagtcnc 600
 aagccgggtg ttnttantct ccaataag 628

<210> 1773
 <211> 442
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 1773
 ggacagaagg tgcgccagc taacgatgcg agggagactg atgcgactga gaccgcggaa 60
 tttgatgggt tggctgggtc aacattggcc tttggcttgg ggacgcgtgg ttgttttggc 120
 agaagattag gctatcaaca gctgaaaacg tccattgcta tcttgatatg gaactttgag 180
 ctattgcctt gtcctaagga actctctagc tatcgtacca tcgaaggtct gactagcatg 240
 ccagaacatt cttacatcag gctggaaaag atcgatttga caacaccgg agtagactta 300
 tatatcattc gaactgggtt attcnggcag ttttcttgac acatttncct ttgcacttaa 360
 taacaattga gtatgaaaat tcagtttgaa tatatcaaca actaactctc aattgaccac 420
 ngaacacttt gtttttattg gt 442

<210> 1774
 <211> 571
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

<400> 1774
 ccaagcctca aaagtcgcag tcaacagctc ccagcaagtc tgttgccctca cagggccagt 60
 tcaactcctcc catggagcct gctgatgagc tcttcttcaa caactcttac gacgaccgag 120
 cccgctcaga cagccctcct caattcactt actcgactta tcccgctccc gacgagatcc 180
 tccttcatcc ctacggctcc gcgcagcact acccagccat cacaaccgct gatgcctacc 240
 ccaactacat gacagcgtcc acagtgccca tgacactccc ttccatgaca catttcagcg 300
 atgccatcaa gcgagagcca acataactta gcgacgaagg actcgctccc tacatgacat 360
 acggctacat gccccgatg gacttcaact ctggtagccc atacgatcag aacctcatac 420
 tcctccgctg tcgcattctt tcgaccactc gggcaactgc tcagaagctg gctacgacta 480
 ccgaccacgc ctctgtcaat gcctagctcg ccaatatgat tcagcatcaa taaggcacta 540
 ngcaggcatg attgtgagat gcagcgactt t 571

<210> 1775
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<400> 1775
 agaagtgggc tctcaaagag aagcttcctc agctgccagc ttcttcatgg attctgtaca 60
 cattcgagaa cagggcaagt aacctgggtg ctggtggaat caccagcag accactgcaa 120
 tggcagagaa gttccgtcaa ctccagccagt ccgagatcga tgacctcacc gtcagaggcg 180
 ccgccaaccg cgaaaagaac caggagaact acaaggcctg ggttgaggca cacgagcccg 240
 cgcgcattca cctagccaac aagtctcgcc gtcgcctggc attcctgact ggcaagcctg 300
 agaagcccat catcgatgaa cgcctgcccg agcgtccaaa gggctcatat gccatgttcg 360
 tgacagagaa ccactcgcgc tttgccagcg ccggccgcca tgaggtgttc aagctgcttg 420
 gtgaggagtg gaagcaaata agcgcagctg agaaggctcg atacgaggag aaggctgcgg 480
 agggcttcgc caagttcaag gctgagatgg acaagattga tgcccagca gaagccatca 540
 aggaggccgg tttgcccac tagaggaact gaatgggata ctgccacat gatgtagtat 600
 tatgtataaa gcactatatt cc 622

<210> 1776
 <211> 489
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

<400> 1776
 gcatcagcaa ccccgctgcc cagccagggt atcatcccca ggcgcaacag gccagccgaa 60
 tctgccatct cgatccaaca gtaccgaga agctgtcttg ggctctcgcc ctgcgcggcg 120
 ctggaatatt gccggcagag atgccccaaa ctgcctttc cttgagagcc caccaacacc 180
 ggcacctcct gctgattctg tgcggaaact cgatcagata atacagaatt tctacgaaa 240
 ggcggctgtg cttgttctcg actcacgtat taaatccaag cctgcacgcg gcgctaaccg 300
 cgcgcggaaa cccaataaat ggttccaaat cgagacagat gagattgacg atttttagaga 360
 tgaactcaag atctggaana aatgtggtag cctcgataac tccctcctcc aatggttatc 420
 gaagtttatc ttgatgcctc tcgaataaag ganagccgaa tctcgtcntg tcaataaaaa 480

cggtaaaaga

489

<210> 1777

<211> 1015

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1015)

<223> n = A,T,C or G

<400> 1777

gaacggacgg	ataatccctt	cccatttgct	ttgcttcggt	tcgcttttcc	tccaacttct	60
cctccttggt	tctttctctt	acctattatt	ccccatcatc	atcagaaaca	acctcccctt	120
tttaggattg	agcgtgcggt	tcttggtctt	caagcacccc	agactattcc	ttaccgacaa	180
cacacttaaa	gagcttttgc	gggcattctc	tcgaccgcaa	ccttttccca	caaaaaaaaa	240
catcgttaac	ccgccaaca	tgcgattctc	aaccgccatt	cttttcgctg	gcaacgcctt	300
cgctgccgtc	cagcaagagt	gtctcgccaa	ccacaacgag	gacctcgctg	cctttgccga	360
ctgtggcaac	aagggtgccc	tctttttttg	cctcttcaac	cttaaggaga	ccggatgagg	420
gcgncctcaa	gacctgctac	acctccgctg	gctgtgccga	cgaggatgcc	gcccgcgagg	480
ctcactacac	cctcgagcga	tgctcagagc	ttcgcaaagg	ccggcgagct	aaagaagcgc	540
tacgaagctg	ctatcatgcc	gactctgatt	nccgacgctg	aggccgccgg	caccatcacc	600
aangggcccg	agcgtaccgg	tggtgaactc	aagaagcgtg	ctactgacac	ttcaagggga	660
acaaaatgct	tcacaacttt	caaaaagtcg	actgagcagt	gcgatctcga	gaccgtttcg	720
gataagaccc	agactggtac	ctgctacagc	acccgagatt	aagcaccagc	acatgcccg	780
agcgatgtta	tctgcaccac	cgactcttcc	ggtgaggaca	tttgcattgt	taagaaggga	840
aatggacact	gccggtatca	ttatcgccat	tggttttgcc	ggctttgccg	ctggtatgct	900
cggcttcctt	cctttcatgt	gctgccgtga	ccgcaaggna	caaaaacggt	ttggtcgcca	960
gtccgaggct	gttgcctttg	ccgtgccgca	caaagaacan	cgcgcttggt	aacgt	1015

<210> 1778

<211> 544

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(544)

<223> n = A,T,C or G

<400> 1778

ngngggcctt	ctngggacct	agctcgctca	tnttgatggc	tgcggtgagg	acaatgagac	60
gagcagcgtc	tatttccgat	cgggacttgg	cgatccattc	aataataaca	ccgtgctcgc	120
ggaggagttt	gccgaatggc	ttcttggtat	catcgttgac	tcggaggagc	atccantcac	180
ggtttctaaa	gctctgcatg	ccccgtcgtc	ctgtcantcg	ccgttcccgg	gcgtcttgac	240
gtagagggac	agggatgcat	ggccacctcg	gcttgtgect	tttcngacgt	gttctnttgc	300
tctcgcaaca	aacacaccga	ggctcggttc	cgattactct	aggacgacgg	gcatccactt	360
agggggagct	ttngctnctg	gnggcttttt	ggaanantat	ttattntatg	ctgcacgttc	420
tgnggggggt	aagaaccgta	ttcanaacta	cctttgntng	cgtgacacaa	gacnagnttc	480
cggcaaanen	tttgtttaan	aaacatatng	gttggcagnc	netcttaatc	aaatatgtct	540
acat						544

<210> 1779

<211> 623

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 1779

cttcctcaac	cgtgcagcgt	gaccctgctt	tgctcctcca	ctttgtataa	ctgngactcg	60
ggtggcacat	ttncctcttc	caaacacacg	atatccctac	cacctctcct	gcgattgacc	120
cagtgtctgt	gcacataaca	tgatgttagg	ctttgggaaa	aaacccgaca	ctaacgcttc	180
tgatgaagtt	caccacaacg	atgaagcaca	cacgtcgcaa	gatgatatcc	ctcaacgacc	240
ttggactgaa	actgccctcc	ccgtgttcgc	ttgngnggcc	ggtnttttct	cagacgggta	300
tatcaacaat	gtgatcggtc	cgcaacacca	cactgagaag	gcaatacggg	gatgtctacg	360
tcaactcgaa	tgcttcaaaa	tatgtgccga	tattgccttt	gcaggcactg	ttgttggcca	420
actagttttc	gggttcttgn	tgancattgg	gcgcgcccaa	cacnctcatg	gggctactgg	480
tatttttatn	atcttccactg	ccttggcagc	tggatcgtag	tggcatggac	naccccgtag	540
aatgttcaac	atgcttacc	gcctgnggaa	tttttgtgg	tnttggaat	cgnggggaa	600
aaccaacan	ggagcgggtg	gng				623

<210> 1780

<211> 620

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 1780

agccatacta	agcctcgcaa	catcctcaca	agtcctctc	aacggccatc	tcctataat	60
gccttcctcc	gactcccctt	cagtccaacc	ctccgtggct	ctcggcgaca	tcctagggtc	120
caaccgcggc	cttacatcct	tctcttcctt	cgcgcgcatg	cagccctcca	ccgacacgcg	180
cctctccgac	ctgtccacca	acaccaccgt	cctcgcgcgc	ctgaattcgg	ccgtcgtatg	240
gcttccgcgc	aaaccgtggg	agcaacctgc	tgattacgat	gcgtttggcg	cggatgcgta	300
cgagggtgat	ggtggacagg	atcgtgcaaa	ggagaatatg	aggcgcttcg	tggaggcgca	360
tctcgtgccg	gctagtccgt	ggcagaagga	ggacaagatc	aagaccttgg	gcggttaagg	420
ggtttggtgg	gttgtcaagg	atgggaagaa	ggtcatcatg	cctgatgagg	tcgagggtga	480
gcgtgtggcc	agccaagttg	gtaacggaga	gctttggatt	ctcaaaggag	ttttgaacta	540
cgcttagaat	tgcgacaaca	cgagtaatga	tagattaatg	attattgnac	acagctnaca	600
acaagccaaa	tactacagna					620

<210> 1781

<211> 583

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 1781

attattttat	ccttcctcgt	cctccctcga	acaaacactc	tcccatcttg	acttttgcac	60
cctcgtctca	catctcgaa	aacacataaa	ccatgctcac	atcaaccttc	ctcctcagcc	120
ttatcgccct	tcgagcggcc	tcaccggtcc	agcctcacat	cgtcaaggac	cctaaatacc	180
catcacgctc	gacatcaaa	ggcttcaagc	ttgtcgtcaa	cgtcacagat	ccctcgtatg	240
actttgatcc	tcccatccaa	aacttcgagc	tcaccggcat	ccacaccgga	gccggcctcg	300
cccttctcgg	tatcagcgag	aaagacgccg	catcttctac	cagaacggca	caaangaaga	360
cgtcaaaaac	gcgaagctac	cgtcatcagc	gacgggtgga	ctcctctgac	tccaacggta	420
ttggtctcgt	cccgataana	aaacaanaat	cttttcngtg	ctacgctcaa	cttcancctg	480
gtacgctggg	gtcaattgaa	ccanctgaag	accctaccta	cttggtgccg	anactttgtt	540
gcttggtaca	agacataaaa	tataccgtgg	caaaaatctg	gtc		583

<210> 1782
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 1782
 cctagacttg aactcacgct ctcgggttcg agtgacgaat ccgataaatc tctcgccatt 60
 aaggacagtt cgctactgtc gccatcgcca gcattatcac cctcaccagc acgatcacaa 120
 cctccttcgc agtcgcagtc cccatcatcg tcaccgtcgc catcacccca cccgaacacg 180
 gggtcctata ccgatactgc tgtgcaaccc gtgaagccca ctggccttta tgttaagaac 240
 tcggtttacg ctggaagggc acttgctgaa tgggcccagg tcattttcga gtgcaacaac 300
 ttcacgcagc gccgtcgtga cgaaggaatg gcaagtcttg ctgatgtgga aatcctgtac 360
 ttggagtcga ggggtttccgc aaggctcgtg gttaaaagca atgaatctga gataccctta 420
 ctattaaaca cagcacaatt atgctctact ttctttggca cacatgcttt catttcattt 480
 atatttttat ctttggttct accatcaaca gtggatnggg ggcataattg cttttctgcc 540
 aaacatcgga gtaccatcac catacattgg gggnatnttt ctcgcttaaa accaaaatca 600
 gaancagggg ggctcaagtc gttcttttg 629

<210> 1783
 <211> 713
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(713)
 <223> n = A,T,C or G

<400> 1783
 catcgatcaa agtctctccc tagcaaccaa acctccaaga agtcgctctt ttccaaaatc 60
 tcccgtcgcc tctctctcgg cccagaaga cgcgccgatt cagtcctgtc atacgacgat 120
 agcgacaacg atgacacagt ctgcgtaatc ccttcagagc ttcaacagcc acctacccaa 180
 tcacgcttcg ctgcgcgagc ctcccgattc tggctcgtat cttcggcaaa ccagttcgaa 240
 gaagacttct cttcacccca gtccccaaca tatccctcgt acgggggcac atacgtccca 300
 cgccatgcag caagcgactt ttccaagaca gccaccaatc gcctgaccat gatggtagag 360
 gccgacgaga cgacgctctg ctcatacaac taccgcaccg acagggacta caagaagctc 420
 cagcatgact gacagcgagc ccgatctgga tcatcgtgaa caggcactca gagccttgac 480
 tacgagacgc agtagcacc cttcaagtcn gacgagcaac tcgaacaatg actatatctt 540
 cttctcgaac gacgcgacaa gtagtgtaga tgctcggcat cgaaaataag ctgctgcatg 600
 ggctgagctt gaacagaaat cagcagcaat taaccacagg gatgagcggc accgatcagc 660
 tcatcccccg gcagggggcg acacacagca cctatctggg tttggctggc agc 713

<210> 1784
 <211> 767
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(767)
 <223> n = A,T,C or G

<400> 1784
 ntttccccctg ttctgtcacc agtggctgaa tgttctgaag agattgccga ccaagagcca 60

tcgaatgagg	ccaagccgga	actgactgaa	agcacctctc	ccgacctgac	acaacgtcct	120
gccgcgatgt	tgtctgacct	gcagtgtcac	aagtcggcgg	agatgctcaa	gtcgttccca	180
gcgcgcgcaa	cctcgatgcc	gccaacctcg	gcctggctcc	cgccttccag	gcgatgctgc	240
tttcagcctt	ggcaactctg	accttctgcc	aacgtccctt	gacgcagatc	gctatgtcct	300
tgaaaaacggg	tatctctctt	catccgactc	ctcaattatt	ggcgacgata	atctggttgg	360
tgacactccc	gcgttcaacc	tcaacgacga	cttcgacatc	agcctctggc	tcaacgacga	420
cagcgccatc	tcatcagaat	ctatggcaac	gagcgacttc	gccgctgcga	tccagggcct	480
cgagcccaag	atctatgaac	ctgagaatca	agtctcttcg	gaaaatccta	tccagcagcc	540
ccatcctggc	gcgtccactc	aaggatgcga	cgttgggtgg	attgcggttg	gtgtctgana	600
aatgcgagga	cagggctcgag	gtcttgangc	gcggaactga	cggatccgcg	gccaaanctn	660
ttgacaggat	atttgactaa	catggctttg	ccgtcgcgtg	aactactgat	gacaattctg	720
gggacaatac	aatnaaaaaa	cgtcacntta	acgtgnaatg	gccnacn		767

<210> 1785

<211> 166

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(166)

<223> n = A,T,C or G

<400> 1785

tcgtgatgtt	gacgaggact	tttacaagct	caacagnngc	gccactgggt	tctaccgtgt	60
caactaccn	cctgagcgtc	ttgctaagct	gagcactcan	ctngacaagc	ttagcaccga	120
agattagatt	tctantattg	gntctactgn	tgaacttgcc	tttgct		166

<210> 1786

<211> 425

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(425)

<223> n = A,T,C or G

<400> 1786

taaatacacc	atgtttgacc	gcaaggctaa	gcgttaccgc	aagggtattc	acaagctacc	60
caagtgggac	aagagtatca	cagcgagtca	acccccctgg	ttactagaga	atcgatttca	120
cgaggtcgaa	gaagcaggac	taccgggtcg	aagatcatat	ggagaacggc	gtattcatcc	180
cacaatggga	attacaagca	gatccatgtt	gggttacatg	tacaacacct	ttgtttcaat	240
tacgaattgc	gagataatga	caatatttgc	caaaatacaa	cacaaaagct	ttggctgcgg	300
cctatatgaa	agtgaaggga	tagattaagg	atgcgcattg	gacngaagac	aaaggaaaac	360
atgccacaaa	ggcacatagg	tagtaggaat	tgaggggctt	ctcaattgat	gaagtcttct	420
ggttt						425

<210> 1787

<211> 389

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(389)

<223> n = A,T,C or G

<400> 1787

ctcaagggct	actatgtccg	agttcgctac	aacgaccgtc	cagtctcagt	ccctggctgc	60
------------	------------	------------	------------	------------	------------	----

aaataccagg	gcaagcacct	cgatggcgat	gagtccttct	gcaccctaga	agccttcaag	120
gaaatcgtgg	acaagtacac	acctactaat	tggagaaacc	agtgtcgtgc	caacatgaag	180
gaatctgcgt	ttccttccaa	gcccgaacct	tcgggttact	gaacgtgtga	gcagcaggat	240
ggctcaagat	acaacgatga	tgcgagttta	gactagtctt	agcgttggag	tttaagtgtc	300
ttcgttagac	ttagacatta	gaacgattgc	atatttatac	gcaaggtgtg	gctatcccta	360
aggacaagct	taatgtgata	aanaaaaaa				389

<210> 1788

<211> 457

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(457)

<223> n = A,T,C or G

<400> 1788

gtcttcgact	gcaactgacat	ctttccgcaa	taccattctg	caataccttg	cccataaacac	60
accctctcta	tccatgtttg	cgaagccttc	tcaacaggga	cccgtgacac	cagtagtcat	120
gatcatttca	gagactcatc	ttacaacgac	atccgcttca	gctgacagtt	tcaccgcaca	180
tcgggtcctt	ggctcctgaaa	tattacagca	tcctgggggt	ggcatgattg	agttaaagcg	240
catcgcgcca	tctttgtctc	taaaagcact	cgaattaatc	gccaaaagga	agcgcggaag	300
tcgggacgaa	ggaaaacccc	gggtccccag	gttctgaagc	gtctcgggtg	agatcgggag	360
acatcagaaa	cgccgcctcg	tcgcttgagt	tctttgcttg	aangngacca	acaaggcgaa	420
tggggcacaa	ggtggctttt	ngaagcagac	caagggt			457

<210> 1789

<211> 1061

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1061)

<223> n = A,T,C or G

<400> 1789

ctggaagaat	tcgcggggccg	caggaatttt	tttttttttt	ttttcaaaaa	atagctatca	60
ttggtaaata	aaacaaaaa	acacgctaac	tcgacaatgt	atctagaaat	cctttcagtg	120
ccccgaatcg	ccataacata	atagctaaca	caatatcgaa	cttggatctg	actgtctctt	180
tgtttctcat	ttcttcccaa	gcatttctcg	gagagcatcc	acctcagcct	ccctcctcgc	240
aagctgaagt	ctcatatcat	cgcgttcatt	cgatcatggc	gccagtgcct	cctcaagctc	300
ggaaatacgg	tcgaggcgct	tctggcggtg	cttgccgcgc	gcaagagtgt	tgcgctggcg	360
cttgaggggtg	acngctgaat	cctcttcttc	gggagaggat	ttgcgtttgc	gagatgacca	420
tgatgatgag	ggggaggggt	gcaaagaaaa	ggtggatggt	cctgggatgg	aggatgttga	480
tggtggggat	ttgtttgtaa	ttgttggtgg	tgggggatga	ggagtgcctg	atgttgaagt	540
tgaagaacgt	tgctcgatgg	gtgtggtaga	cttgacattg	acgagaggct	gctcctgagt	600
gaggaagcca	tctccagcca	catcgagcga	agactgcgtg	tccaaaacgt	tcaagtccgg	660
gatcataatg	ttgtcgaata	acccatcacc	actaaagttc	tgaacgacat	tctggttggg	720
ggtggtgtta	ctgttgatgt	tcccgaacc	ccacgtcgca	tcatcaaacc	cgttgtaactc	780
ggatggggaga	aattccaaaa	agggagaaac	gtcctcaaag	agaagaagac	taggatcgat	840
gctgaggtcg	ctgctaggca	aagacgctgg	ggcagcgagc	agactaccag	gacatggccg	900
agaagcggct	gcaggcagcg	gacgatgcgc	acgctgctcc	cattgattca	agttaagggg	960
gctgcggcct	cccctacgtt	tgcagagagg	ccgttaggct	agaggagaaa	gatggagatg	1020
gagaaaaaac	ggactgtccg	ctttttctgt	tgatgatgga	g		1061

<210> 1790

<211> 472

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(472)

<223> n = A,T,C or G

<400> 1790

ctacggcgct	ccctcacact	atgggtgctcc	tcttgggccag	tctccctacg	gtgctcctcc	60
aggccagtct	ccctacgctc	ctccaggcca	gtcaccctat	gggtgctcctc	agggccagta	120
tgggtcaagag	gggtgaccg	cctatgggtga	caacagcaac	aacccttacg	gtcaaggaga	180
gaagaanaag	aatggcagct	ctgggttatgc	tctctgggtgc	cgctgggtggt	ctcgacttg	240
gtgctgtagg	tgggtgccctg	atcgccaacg	aactcaacga	cagcgaatag	cgacaaagaa	300
aaacatgccg	cccgctgccg	ccgctgctgc	tccctgccgc	tgccccccctt	acaacaacac	360
ctcaattttt	tcaacaacta	ctacgtgctc	ctcccccttg	aagatttccc	tatgccaacc	420
cttntcccca	aaaaggcccc	cctgnntttt	ggcctgcccc	cgaatcnaaa	tg	472

<210> 1791

<211> 632

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(632)

<223> n = A,T,C or G

<400> 1791

aactcaccac	ccatggggcg	ttcccaaadc	attcaagact	acagactatc	ttaacaccga	60
cggcaagatg	aagtggcacg	aggagttcaa	cagctacctc	aacgccgttc	gctttacaga	120
tgcttggtta	ggcgagttgc	ttcagacttt	tgacgagtat	ggcatgacca	acgagacatt	180
ggttattttc	gtcggcgacc	acggacaggc	ttttaaggaa	gatcaaaagt	ctaagatcgg	240
aacgtacgag	aacgggcatg	ttagcaactt	ccgcgtacct	attaccttcg	tcatcccat	300
attcccccg	tgcagtacaa	cgctaaccg	acatccctct	ctattcttcc	caccatcctt	360
gacctgctcg	tcaacacagg	atcactgacg	agaaggacca	aaacgctg	tcagacctna	420
ttcacgacta	cgaaggacag	tctntttatt	gaccatacaa	aactattaca	acggtcgccc	480
cgcggtggg	ttnggtttat	taaatggngg	ngcgagcatg	ttgtccatga	acttctggcg	540
atgcaccatg	gnnggattng	attccccctt	gatgacttta	cgcaatatcc	gattnaccga	600
tntnaaaaaa	aacccccctt	gaacgtaggg	nn			632

<210> 1792

<211> 394

<212> DNA

<213> Fusarium venenatum

<400> 1792

cttcgagagg	aagcacaaga	agtgcaagaa	gcacatctct	ttgagaagca	tctccacca	60
ctgcggcaga	catgcttact	acgatgacgc	aaagaaggag	tgcatctgcc	acgacagcgg	120
taaggacttt	ctcaaggagc	acaagacctg	cgcttgctcc	caaggcgaga	agtggcacca	180
catcgagcgc	aagtgtctca	gacactaaga	gtgtgcaagg	ctgatttggc	ttgtaattat	240
gtttcaagtt	caatgttctc	ttactatact	gttggtctct	gcggcagtga	tagcaaacag	300
gtcccgacat	ggatatggtc	attcgggata	gggcttggtt	tgcttttggt	aacattctag	360
tctagttgct	cttcaatcat	taccaattaa	ttac			394

<210> 1793

<211> 597

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 1793
 gctgatagtt tgaagtcgtc catcaaaccg aaacaaaatg gccgatattg ctggagacgt 60
 gtccctggga ctcaacttac cgtctcacca atacggtgat catagccgcc agaagctagg 120
 cgtttgggcg ttctctaata gctccgatca gaagtcaggc tattgggtgg tcttcatcca 180
 cgggggtggg tggcgtgatc ctcgtaacaa cgagaatgat ttcaccgaga gcataaagcg 240
 tactgtcatc tcaggtgctg tcgcaaccct agatatcgca ggtttcatta gtatcgacta 300
 ccgactttcc cctcatccag agtttcccca ggaagcagcc accgcaaagc atccagatca 360
 cttggaagat atctggtcag ccttgaatta tgcacaagaa aagtatggat tgtcggagaa 420
 ttacatactg gtcggtcact ctgctggcgc aacccttgca atgcaacttt tgatgaagtg 480
 acgagattct cccatctcat ccaaggacct tgctgcgcca taatcggatt cagctctaca 540
 actatcgatc acaaaaatca tggcgattct ggttcatgat ccattggcaa ganatcg 597

<210> 1794
 <211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 1794
 agctcaacga atacagcgga tgtcgatact ggtcacaact tcaaaccact cacactaaca 60
 acaccgagcc cttatgcca gacgagcccc tctgtacaac gatcaactgg ttcagctaca 120
 cccggggcca gtggctcaag actgcctatt atacgcagcc ctgacgctcg cgccacttca 180
 gcgtcgcccc gagttgaaac acccaccagg cgacccact cgagcctgtc attccgagaa 240
 aggcttgctt cccatggttc aaatagccag cctttgcca agccgcgtct ggcattctcat 300
 ttgtcaacaa ctgctctttc tggtagacga tcatctctac aggttcttag gtccattgga 360
 gatgacggcg agaaccacaca tagcagacct gccagctctc ttgctaccgn gtcgaggagg 420
 atcaagtctt ntccccaccc aaatcggaac cgggacgagc gagtccgctg cctagcgggt 480
 gcgcgactgc atgcgcaaac cttttcagcc gagccaaang atacaaagnc aagggggngg 540
 actgnaaacc cccgtatggn catatatggn ataacaatat ttcacttttt gaaaaagggtg 600
 agccttattt ttactgggtt atgaaa 626

<210> 1795
 <211> 572
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(572)
 <223> n = A,T,C or G

<400> 1795
 cctgaatctc ggcngaaaaa cagaccctca aatcgttggt acgtcaatag gttaattcaa 60
 agataacacc gagtggatat aagtagctgg tgtctaggaa tagtggcgag ccaagtcggc 120
 aaaaccccaa tgtcaagcga tctcggcaaa aaccaatag ctgccgagat tgaacaaata 180
 acgataggcc ataaataaag ccattcatac cattaccccc acctatcatc aacttcgcct 240
 tctcaactat cttcacaatt cgacaaccat cacaatgtcc tcttcgccg tcgtaaaaaga 300
 catcgaccac ctgctcctaa cctgccacga catccaagtc actataacat ggtacacgaa 360
 gtacctaggc atgaaatccg aaaccttttg tccgaatcag ctctcgtca tgctctcaag 420
 tttggcacac acaagatcaa tcttcaccag cgcggtaaag aattcgaacc aaangctaga 480
 acngntttgc ctgggactgn tgattttgtgc tttattcttg aaganggaac ggatctgcaa 540
 ggactgatca cggaaatttg gaagganggg at 572

<210> 1796
 <211> 359
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

<400> 1796
 ccgagacgga cgtcctcgag cttacacagg cgactcaacc agnagcagtg actccgactc 60
 tggatgatgac cgacnccgaa gtgacgatcg ccgccgacgt agggatgagg atctcgcccta 120
 tggcaagtca cagtatgaca accaatcaag ccatggaggc tccanccatc acgnggggtc 180
 ntatgggtggc caacaggggtt atgggtggcca gggatacggg ggacaggggtg gatatggggg 240
 ccgatactaa ttntttttgca tgttgagtat atgatatagg aagatataat gaggtatgaa 300
 tacacagacg agacaatagg cacgtcggag tggaaatgaa aatatgaatg tttntttat 359

<210> 1797
 <211> 834
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(834)
 <223> n = A,T,C or G

<400> 1797
 ctctgttcgg tgcactgogc tccgctttga ccacgatgag accttcaacc tctggctttc 60
 ttttgacggc cgggttgcat ctaagcagtg attcttcttt ttgaggacac ttccatccat 120
 atgggcaaac gaaaggggtat ggggaataaag cagagcagaa ccaaatcgac actcgtcttt 180
 gttgatggcg aaggcttctt cttccaccgg ccggtctcag gtaatggtaa tgttcaagaa 240
 caaagcaatg cgaatcaatc aaaacaacga cataacgaaa ccgcgcctct cttacctgtc 300
 gcaactcctc cagcacagac tcttcaacgc cgctctcttc aaaatcaact cgtgagctgt 360
 tgacaacctc gtcaatgatg gccttataga cgctgccgac tgccctgggtc gacatgatta 420
 cgtctgttgt ccgaaacgat cggtcgattc gacttgaagg ttatcaaaat gttggtctcg 480
 tatcttggct ttgatgggtt tgcgcccgtc aagcaaatac tgccgttatc gtccttggtc 540
 taggcacgct ggtggccttg aagtcgatgg gggcaagatg caaatagtca atgcggcgcg 600
 aacgggagca ctcccttcag aanaatagtt caaagctttt tcaaatcgca aaggtgagtt 660
 ttatgggtga tgaccggact tggcgtaagg aanctagatg taagtaatct agtacttgcg 720
 ctgcgtctat ctgcggaagc gacnaaaatc ggccaaggat caaaataaca aatcaatttt 780
 tncttacaaa acaaaaaaga atggaacnat taggttgccg ttaaaaaaaa aaat 834

<210> 1798
 <211> 539
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(539)
 <223> n = A,T,C or G

<400> 1798
 caaataccba actttctcaa tcatgggtcg cgaactccaa aagaagaagc cagatcaggc 60
 cgccagcccg ttgacagct caacagatcc aagaaagatt cttaccccc gaggcaacga 120
 tgctattgct aagagctgga acaagaagga gactctctca cagaactacc gtcggctcgg 180
 tctttagact cgtctcaagg cccccgctgg cggaacagag aagaactcag cgcaaccaca 240

accagcgcct	acgccaacga	ccccttcgcc	atcgccacga	tcgaaaacgc	cgtcggtttcc	300
gaagcgcgcg	tggagcgtga	cgccgacggc	aagatcattc	gcatcatcgg	atccgccaag	360
cccaaccctc	tcaacgatcc	tctcaacgac	cttgacgaag	gtagcgacgc	cgaagacaac	420
ctgctgaaga	atggggcggt	atcgcgga	atgccgacna	agaaganatg	acagacttgt	480
caagcagctc	ctcgagcagg	ccaagcacct	gatctgcca	gaaaaacaca	gantgctcc	539

<210> 1799

<211> 289

<212> DNA

<213> *Fusarium venenatum*

<400> 1799

tagatgatag	aagtcgataa	tcatgttaat	taatgtatac	aagatatcta	taaatgcaac	60
aacgcctttt	atcatctatc	ccacattagg	ccataatctt	agtttgatcg	gcaagtgaag	120
ggagcatgag	cggagcccg	gctggtgata	tcaatgatat	ccttaatagt	agcataagta	180
ccggcaccaa	gggtaacaat	accgatgatg	aatgcaagga	tggctcccaa	gctcatgagt	240
aagttcttct	tctcaaacca	cttaccctcg	caaagcaaga	cgaaccaca		289

<210> 1800

<211> 524

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(524)

<223> n = A,T,C or G

<400> 1800

cctgagatca	acacccttct	gttcgactgc	gacaataccc	tcgtcctctc	tgaggagctc	60
gccttcgang	cttgcgctgg	tctcattaac	gagatctgcg	agtctcgcca	ggttgacatg	120
cgattcactg	gcgagactct	catcaaggag	ttcgtcggcc	aaaacttccg	tggcatgctc	180
accaccctcc	aaaagagtn	caacatcgac	atctcccccg	aggacctcga	gacctacgtc	240
cgaaaggagg	aagangccgt	catcgccaag	ctcaaggagg	ccctcaagcc	ttgcgttggt	300
ggtgatgagc	agctcgagaa	cttgctgctt	ccggaagta	cacaatgtcc	ggtgtgtctt	360
cctcagctct	tcgacgaatt	cgtgcttcca	tcgaaaangt	tgggcnggac	aagtacttcc	420
ctggcgacgt	tgtcttctct	gctgccacaa	ntctcgagaa	cctaccanca	agcctgaccc	480
gcctttttnc	tccccgctct	anacaagctc	cgcnanaaag	gcga		524

<210> 1801

<211> 782

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(782)

<223> n = A,T,C or G

<400> 1801

gaatcaactg	cgccatgccc	aaacgaaata	aggattcagc	nggggttccc	tagcttacac	60
attcccgncg	gactcacgaa	tgcgagctat	tcaaaatacg	ttttacccaa	atttatntt	120
tttcttcaca	gcctcagtga	atcatctcct	gagaaaatat	ttctacgtcc	agttcgcgat	180
tcaaaatgtc	acagccagca	acttcctcga	cacctgtgaa	tggcgacacc	atcgcgcttc	240
cttcatacac	agctaagcct	agcgctgaac	cgcttacgga	cgagaagatt	gccattgaac	300
agcgacacgt	taacgacgat	aacctaccg	aagtcgtggt	cgagccagcg	catcaatc	360
ccccttcgca	aacaagcccc	cagacgagtc	ccccaccacc	cgtatcgact	gtttcgctcg	420
taccacgaa	cgcgatgtct	tgggacggaa	cacaatcgcc	ttcaatcttg	cagcatccta	480
gtcttgcgca	acagcaatat	gcaggacaag	agggcatgtc	tattcagatg	caaccgcaac	540
cttccatgca	gcgaagcggt	cncacagtta	cgcttttaca	tttactagcc	gnccaagctg	600

attccgctcga	ctgcccgttc	tgtcagcacc	agaccgagac	aaaaggtcaa	gaagtcagcg	660
tttggaatgg	aacacgttta	cgccggcgcg	ctnttttttc	ggaacctttt	ttnggggtgg	720
ttggccttac	attttggcat	tgngcattta	aacatnaanc	actactggga	ggaactgnng	780
nc						782

<210> 1802
 <211> 451
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

<400> 1802	
tcaaggttga	ccgcggccca gacggtgcag gactcttgat gaagtacttc cagcgcggag 60
gaggttacta	catcgatgtc ggcgcatcgc agctcattgc cgacggcaag atcaaggtga 120
agcaccgaca	ggaaattgag actgttctcc ccaatgggtct tcgatttgct gatggcacag 180
agctcgaggc	tgatgagatt gtattcgcca cgggatacca aaacatgcga acgcagtcga 240
ggaccatgtt	tggcgatgct gttgccnaca aggtcaacga tgtctggggg ttcaacgagg 300
agggtgagat	ganaactatc tggcanaaga gnggactacc tggattctgg ttccatgggg 360
gcaacttggc	tatgtgccgt attactctaa ctatggcttt gcaaataagg gattggaann 420
ggattgttnc	ttatacattt tgaagtctac c 451

<210> 1803
 <211> 581
 <212> DNA
 <213> Fusarium venenatum

<400> 1803	
cgcagcagag	ctggagggat gaaatgacaa agacgacaaa ggacgcaaca gttcaagtgc 60
aagaagcaac	tagttatgcy cagctgatgg agggccgcta caacgccatt tcctcccact 120
ggcaagacca	aggcgaggaa gttaaaaagag cggttaccaa gatgaaatca gaaatagatc 180
acctcaacgc	agaacgcaga gcagacgagc acaaaaataga aacattaaga gatctatgcy 240
accagcaaga	cggcaacatc aagcagctac ggcatgaaaa agaggagatc gctcgcaaatt 300
tcgaagaata	taagaaaacg caagagcaag acctcaagga catcaagacc aacgccagat 360
tgagagaaga	cgagcaagaa gccctactac tagcgtccaa agaaacactc gataagctta 420
aatgggcact	caacgttaag aagaacgtta aaggcgacaca ataagttacc tctccacacc 480
tttcaccggc	aaatgggtgtc tgcaactcat ctcagtaacc ttgcccacaa gaagtgttat 540
ccaaccatat	ctataattct acctcatctc tcgactggct g 581

<210> 1804
 <211> 652
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(652)
 <223> n = A,T,C or G

<400> 1804	
ctcaaaact	catcatcccc agctctgcct ttctcccttt agagcctttt tcatagaaac 60
catcgcaaat	ctaaacaccg atactcaaca tggcttacaa ccgtccctac gacgaggatg 120
ccctccctag	atcgctgag cctgagcaga agccaggaca gtccaggact cctgccccgc 180
agccacacca	ccctcctcct cagcagcagc agtatcagca tcatccccct cctcagcagt 240
atcaccagca	acaaccccga tacgacaagc ctctaccaac ccaaagagat gcgcgatctc 300
attcactagg	ccagggtcca gcttctcagc gttatatgtc cccacctcca aacactggcg 360
gcgcgagacc	caggctcata accgtcctgc tcccaactca cgactcctcc ttcgcctgct 420

ctcgatggca	atggctccga	tcccacgctc	ctacctctat	ttcgggctgt	tgacaagatg	480
gatgggtcatc	ttctgagaag	aatatccgcc	gcgctgggtca	acgtgacgga	cgctttgatc	540
ccatacgtcg	cagatatcga	agttgatctg	atcgatggcc	tatcggttca	agaattgcgt	600
natgtctttt	ggctcntgaa	antctcacga	tcaccnacgt	agcgaactct	an	652

<210> 1805
 <211> 512
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 1805	
ttcgccctggt	60
ttatgttcaa	120
tcgagtata	180
ttctcctaca	240
gacttcaggt	300
caatttccga	360
ccgctcaatc	420
acctaatcgg	480
cctcccaacc	512

<210> 1806
 <211> 611
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 1806	
gtctcaaaact	60
aatgacaggc	120
acagtcctct	180
aggaaacacc	240
ccctcttggt	300
ggatcgagtg	360
gctgtccccc	420
ccagtaccgc	480
ggccgagctc	540
ctggcgcaac	600
aagatgaacc	611

<210> 1807
 <211> 617
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

<400> 1807

tgacgtagc	acgtctatgg	aacccataaa	gtccagagtt	ccttctgggt	tgtccgaggc	60
cgacactatc	gtgcccggat	ggcacaagag	agatagttca	tcagaaaagt	aacccgagag	120
ccqcccatca	tttcttccca	tccaagaggt	cgacgagacc	tttgaggaag	aaaatgatac	180
ctttgatgga	gctagggacg	tcatgcccgg	cacgcctaaa	gcacccatac	agagcatcga	240
gcaggacctg	atctcccca	cagacttgac	ccgtaccctt	gagaccctg	atttcaacta	300
cagcttctcg	cacgactatg	atcgggaaat	ttcccctgaa	ctaccacctc	ttcgctcta	360
cctctgcccc	gaccaagaat	ggatccagct	cgacagcttg	ccgtccgttc	atcaagcatg	420
aactttgcag	ccttgtctag	cgacccttct	gaggtatncc	gctcttcaga	tctggctaga	480
actcgaatnc	gcgagggccg	agtctttcaa	gcaaggcccc	ccaggtnttc	accacggac	540
tttanggttg	gnaccccntt	ggnaggcctt	tcttggggac	cggaccgtac	tggtgatgac	600
cttgatgatg	tcanca					617

<210> 1808

<211> 226

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(226)

<223> n = A,T,C or G

<400> 1808

ntgacagtgt	tcctgtttat	accncccttg	cnactcatgt	anctgcgtcc	ancaagccta	60
ctgaagtgtg	tgtcaancct	aaagcngtgt	ccnagggtcca	ngccgtttcc	aaaaccaagt	120
ntnaaaccaa	gtccaagtct	aagcccaggg	ccaaatctna	gactgcancc	aagtcccagn	180
ccaangctnt	tggtaatggc	gcgtctgtnt	ctggttcatc	cacctt		226

<210> 1809

<211> 459

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(459)

<223> n = A,T,C or G

<400> 1809

cgactcaata	ccgtatcagt	tttcggcatc	tacagacaat	accaatcatc	tcaattactc	60
catttcacaa	tgcatccga	gtttggaagc	tctcccaaga	gagagcctac	accaactctc	120
ccgttatcct	ccatccctna	naagcgctct	ctnnaagagg	gtcgtcacag	tccgatcgng	180
ccctcgccat	tgaaccccg	agtcaaact	tacgactctc	tgccccccga	agatgcctcg	240
caaacctcgc	gatcaaagtc	agtgcgcacc	aaaaaagaaa	cattgaagaa	acgcgaatcc	300
aanggtgccg	acagngttcg	tgcgactcca	gacccaaaac	cgaaaacaac	gaagcagcaa	360
aaagaaacaa	aacgagtcga	gtccattccg	ntataagctn	gcnctccaaa	ttggntgatt	420
tngatcccc	tnggggcctt	gtatgaccnc	ccntattga			459

<210> 1810

<211> 487

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(487)

<223> n = A,T,C or G

<400> 1810

nggttnaaat	cccancanc	aaactggnta	nttccttctt	gcatttgggc	taaggcttgn	60
------------	-----------	------------	------------	------------	------------	----

ncccgatcag	ngaacccgcc	ttggaaacgt	ntgcgtncgt	gagtgcata	ctccactttg	120
ttctcctcgc	cagcaatgag	tgcttttcatt	ccaacgtccc	ttcaaggcac	tgataaggct	180
atcacttgat	ggctgcnact	ttccaagggt	gatggcttca	aaaagagaac	ccgtcatagt	240
caatagcccc	aaagattcca	tcgatatggg	cgtcgatcta	ggtgtaatcc	cggattgagg	300
agcccgttcc	aaaaagaagg	attggcttgc	ttgggtggatg	agntggngac	ttgtggatcg	360
caaatacccg	cgttggcgaa	ggccgaaacc	gnganaacct	caaacancac	agcgaatntg	420
atcaaataga	acctgtgtgg	ccaacaattt	acctgtgatt	tcattgcnaca	ttngcgaaat	480
ggctttg						487

<210> 1811

<211> 827

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(827)

<223> n = A,T,C or G

<400> 1811

cgagacagaa	aaacctgctt	tacccaacgt	cctctttatc	tatcgcgcaa	agcgcaactt	60
gccccagttc	tgccgtgtga	ctcatcacag	tcgcagcgcg	cattgttcac	ccactcgcct	120
ctcgaatctg	ctttctttcg	cacctctcctg	cccactcgtc	tggttagga	gcgctttttg	180
tcctcggtca	tcgtttgctt	cttcgtaatc	ggtacctctc	cgaacacata	tatccgccga	240
gcgacactgc	tgtttatgta	tcagcacgac	cagcactccg	tcttcagaca	cctctttaag	300
ctgcagttat	ttcgcatacc	gngaaagcct	tgtagcccg	acatcaattc	cgacggttga	360
aacttagcaa	cactatagtt	gtctatgcat	taccatcagc	atccgatcat	cattccggcc	420
tgccacatga	caatcaaaaa	tcatacaagag	cactgaaacc	ctcgttgctc	cgcccatcct	480
caactacctt	gtgctatcaa	gttcatacat	gacatcctcg	tcactctcag	accataccaa	540
ttactagcct	cgcctacctg	ctttgcctta	ccacctttac	ttactaccca	agtaactatt	600
caataaccgtc	atcatggctc	tcgtcaacgt	tcgcccgcat	gttagcgatg	ctttctatcg	660
tacaagatgg	agcgttgcag	accaanacgc	aaggcaagga	aacggtatca	agaccgcgtt	720
gcaacttann	aagcgttgca	gccttacttg	cccgccccgg	tcctacgtan	tnaagtcttt	780
tggtttnaac	ttgngnccaa	accaacattn	tccaangang	acgttng		827

<210> 1812

<211> 607

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(607)

<223> n = A,T,C or G

<400> 1812

gtgcttgaca	tcggtaccgg	cactggaatt	tgggctatgg	attttggcga	cnagttccct	60
gaggccgaag	ttatcggaac	agatatctcc	cctatccagc	cgagctgggt	tccccaaaat	120
gtcaagttcg	agatcgaaga	cttcacctt	gactggacat	tccccaaaaa	ctcgcccgac	180
ttcatccaca	tcgcttctct	ctacggtagc	gtccccgact	ggtacgccct	gtacgagcgc	240
gcattccaag	cgaccaagcc	cggcggttgg	gtcgagtccc	acgaagggtga	ccccatgggt	300
cttagcgacn	acaatagtgt	caagcctggc	agtgccattg	ccgaatgggg	caagttcttt	360
cacaaggggtg	gtaagaactc	ggctgtgtct	tcacgcctct	ccctgataac	ctgcaagaaa	420
aaggcatgaa	ggccgctggg	ttcgtnact	tcaaaaacaag	aacaataagg	tcctgtggga	480
aactggccaa	ggaagaancc	tcaaggaaat	tggccgaatt	acacactgan	catctatctg	540
atgttgaagg	acacattgct	ttcatgggtac	cctcttgaag	gcggacaaaa	aacagtttgc	600
tctactg						607

<210> 1813

<211> 583

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 1813
gcatcttgtc gagggctact cccaaggtac tgttgccacc cgaagaactt gctgggtctgg 60
acaattcaga ctcttgagca ccttgagtgg attcgccctt ggatgaccga gattctcggc 120
atggacaaga gaagagacgt tcttcgaatt atgctcttcg tcagtcagcc tcgatcaaca 180
aaggagattc acagtccttc atccacggtt caaatgttcc caggacgtcc caacatcaac 240
actctcttgg gtatggagca agancaacag gtcggcgcca tggctgtaac cgtgtgcggc 300
cctgggtgct taagtgatga agttcgactg gccgtgcgaa accgtcaaga tcgatctcac 360
atcgacttca ttgaagaagc gttcacctgg taagctgctt tgattgggtg aancctggtg 420
tttggaaattt tggcacttgc tggccanaca nctcacaatc ccgtccctgg ganacaaaaa 480
tanaaatatc tctctgctct cgacctttat ctgananatc taccgtccaa atatcccgct 540
ctcttggggc acttgcttagg cagacncatt tgaaaaaatt cag 583

<210> 1814
<211> 626
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

<400> 1814
cgggtatcctc ctgcaagcaa tcttcagcca aatgactggt caaccctctt atctcaacca 60
ctgcccagtc cacaaccagc agcaagtccc caccgcgcaa agaggggttg cttgtgcctt 120
accatgggca gggccccgat accagcctgg tccagcgatt caaacagctc tgccaaagca 180
gcaaataatac ataacaaaaa ctcgattcca cgacagaatc catctttacc aattaactta 240
tcgctgtccg aggacgagag aagtcccaat cgctccagtg ccgagctgca tagtcccaac 300
tctggcaagg gctatagcac atcgggggcg aaccgcgaaa acagtcctgc ggatgagggc 360
gccgatccct tgtacgaata ctttactga ctgtggatga ttggatgccg cctgtggatg 420
ctgtgtatcg accacacgtg ggtcatacac gatcatgcca cctgagatga aaggacaaca 480
agctnaagag caanggcaaa cggactttgc gtcagantga ttgatataat ataagtgcac 540
tggtattgat gaattatgaa ttgntggnaa agtatcgggt cccggtctat atactttttg 600
gacttaggnt tttgggagaa gtttgg 626

<210> 1815
<211> 526
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 1815
nttaaaatcc ancntggccc gantcaaagc ccatatatga ccatcgcaag accctaaaag 60
agggcaatcc tgaagataag atcagagcat ggcttcaact caccgatcaac gagagcggtc 120
attctaaaca aggagattgg atgaacactc tcgttcctca ccttgaactc gtctccagca 180
acgctgaggg ccctcaccca tcttgtgtat tctcctatac agttcagccc gacaattgca 240
accggttaca aaaccttcat ggtggctgcg cggctacgct ctttgactgg tgcacaacgt 300
tacctatcgc tttggtgaac aagcctggct ttggcagcat ttaggtgtaa gccgaacact 360

taatgttacc	tacatgcgac	ctgttcccgt	tgggactgag	gtgctcattg	agtgtcttat	420
cactcanatt	ggtcggaaac	tggcgactct	tgcatggatc	aatgaggaga	aaaagcgaca	480
acttactgct	agcgacagnt	gagcattggc	aagggaaca	ttgatg		526

<210> 1816

<211> 487

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(487)

<223> n = A,T,C or G

<400> 1816

ggaatttttt	tttttttttt	ttttttttcac	atactcaata	tcaagttgcc	attcttatga	60
cctatagggt	cgttgccatg	ggatatcggc	canagggttg	cgagggaacc	agctgggaag	120
atattcaccc	catccccagt	agttacctgc	ccccgcagga	tggtcggcac	acatgcggat	180
ttgactaaca	tcaacaccct	caggaagggtc	tttaggggttc	catgtcatag	gccccaanacg	240
accgcacagt	ttttcagcac	cgggggtgtg	gtcggcaatg	accatggcgg	tcataacagc	300
agcgaaaaca	gcctggattt	tcatattgat	ttattgtgag	gtttggtggt	ggctgcagat	360
aaacctgcag	cggataaacg	catctttatc	actgccgggt	actacagtaa	ccaagatttg	420
tatagagtcc	tatacgagaa	cttcccagat	ttgcgaaaaca	ggctgccgga	tgaggccaat	480
aaaggan						487

<210> 1817

<211> 324

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(324)

<223> n = A,T,C or G

<400> 1817

cttttgcata	cccaagctgc	ggccccgcac	gcccacctcg	acgaactata	caaaatggat	60
tccgtggaag	acgtgaaata	cgaaacctgg	agtaggaaga	ggctggatcg	gcttttagca	120
gattacctcc	ttcgccatgg	gtacaacgaa	actgcaaagg	agttgggcgg	accagcgcgg	180
cattagagat	cttggtgcgt	cgacaccttt	gttgntgnta	gccgattcga	nattcctnat	240
gaagganagt	gttnttgaac	ttttggcttg	gtgcacaaan	aaaaaaaaag	gagnttccag	300
ganggcagaa	acttgngttn	ttgt				324

<210> 1818

<211> 1097

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1097)

<223> n = A,T,C or G

<400> 1818

ccaagatgaa	agatctgaca	tcaacttttaa	ttcacatcaa	ctatggctat	actcagtact	60
actccgcccc	acaagtcaag	ccctctcctc	cccccatccc	cgccggcaac	agcagaatgc	120
cctgtgaagg	aaatcgacat	cgacatcggt	gacggcgacg	atagtgaoca	cccactcccc	180
gaccctcttc	aacgacacaa	aattctgtct	gagacgcgtg	acgttccgga	attcgcatac	240
ttcactctcg	accagaaaaca	gtaccgcaaa	ctctatacaa	agatcgagca	aaccttcaga	300
agattcgact	acgaacctaa	gcgcagccgt	ctcacgattc	gcatgccttc	accaactcat	360

gactacttcg	ccacctat	ttt	cagagacgag	atctgtaaag	aattgaacaa	gattgccagc	420
aaccgtagtg	acgaggcaaa	accctttgcc	gaaaaagtca	taagcgccct	aggttcccgc		480
gtcttccttg	cagagacgga	tgacgagaac	ggcccgat	ta	agcgtgaacc	agatattcag	540
ttccattacc	ctggggcaag	gtatcctgga	atagtagtng	aggatcgt	ta	ttcttaggat	600
ggtaaagatc	tgaggagact	tgcgcaagac	tacattcttt	actcgaacgg	cgacatcaag		660
cttgtgattg	gtgtcgatct	caactaccgt	ggcaagccat	ccacagtatc	tctctggcgt		720
cccaagttaa	ccaagtccga	anatggcctc	gacttggaaa	cgtttgagga	cgcccacgag		780
ctgccgttcc	gctcatccga	tggcgacgcc	ttgaatcccg	accagtcgct	aacgattgac		840
atccgcgact	ttgctacaga	tgaactatcc	gagacttggc	ccgccgccac	gatcaacatc		900
ctgtttgtccc	gacttgccca	atacgcccaa	gaccccagca	gcggcagaa	n	gacaggaacc	960
accgcccaga	cgacagcgtc	naatcaangc	gacggcta	aat	gaancgc	anatggtcgt	1020
ccagttccgc	cgaaaaactg	aaatccaaga	caagcaatnt	cttagaagaa	gantctgttg		1080
cncgaaatc	cccctt						1097

<210> 1819

<211> 501

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 1819

actcaactca	actcttcact	tacaccaa	aac	ccatcttcaa	aatgcccag	tccaccacta	60
tccagacccc	tgcgcctc	ggcgataaca	gag	gagcatcaa	gttctccttc	aagactggta	120
atgcccgtcta	ccagtgtgtt	ctccaggacc	gat	ctgtctta	tgagcgcacc	aaggcttccc	180
gccagaactc	ttccgactct	gtttcctcaa	ccg	agtctac	taagaccgag	aagtcttccc	240
actaaactta	agctgggagg	ttacgggatc	atg	gcacctt	gaccaacatc	aacctcaat	300
caagcttgtc	tgtacaag	cttcgaagg	aaca	atgggtg	accaatgcaa	acaaaactgg	360
ggagggagtt	tattttatac	cacaattatc	tgg	cattagc	gacggtttta	cagagacatt	420
tggcgtctcc	atgaatcaaa	acaatatttt	tnt	atcgta	aaaaaaaa	aaaaaaattc	480
ctgcggcccc	aattcttcca	g					501

<210> 1820

<211> 308

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(308)

<223> n = A,T,C or G

<400> 1820

ggcaagggtcg	gcaaggagcg	tgctgctcag	gaggagcgca	gggagaagca	gaacaagcga	60
aaggaggaga	agatcaagga	gcgcgaggcc	gactttgttc	caccagagga	gagtcgtccc	120
aagaagaagc	gtaagaagac	ggaagagtaa	gcaaggggag	cttccgacat	tgcattattgc	180
atgggtgggc	aactggtgtg	agttgcgtca	atctcatgtg	caagctctcg	aggtgtntga	240
tacctgaaa	aattacctgg	cgttcttgtt	tctatttgag	gattaatagc	tgagaaaaac	300
tgtttttcg						308

<210> 1821

<211> 173

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(173)
 <223> n = A,T,C or G

<400> 1821
 ntgntcgact angacgncct ccgggcanaa gagaagaagn ttgccgagaa acncgacaag 60
 gacggnaccg agctnnacg taccggaaag gagatggaga tggcnaagg tgctnacgag 120
 caagntgaac gagcagataa gcaccgaact ggcccaactt atcgaacttg ggg 173

<210> 1822
 <211> 479
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 1822
 aagatggcga taaccatgca ttgtgccgat gcggtgctga attttgcgtc gtttgtggag 60
 agaaacccaa aagatgcaa tgcccatggg tcgacgctga cgtccccgac tctgatcacg 120
 aagagaaagc gattacacga agggaaagaa gcgaaatcca agtctttcgt gaaggcagca 180
 ctacagagga atctcgaggt ccccgaaagac cagcaggaaa acagccacga cctcagatct 240
 acgacgaaga agtcatgtta cgtcaaaagg aggaccgca agatgaactg gttcgcaggc 300
 ctcgctacta tgccaaagac gacgagtatg atgtcgctgg tgctccagag cctccctcat 360
 cccattatat ggaagatagt cccaagcgtt tanggcgcag agtagttggc ggcgtccctc 420
 cttctccaaa tcaggcagan ttcgaaagaa gttctcgtgt cngcagaaga agctactac 479

<210> 1823
 <211> 568
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 1823
 ccattggtgca cgccaaagcg caaaaccttc tccttgccat ttacaagggt cgctgactg 60
 atggtagaga agttgattcc ggtgacatga tgactgtgag tggctactcg gacatggttg 120
 tgctcgatcc tatgcagggc ggaaaaccag gcaagcttgc caacaatgtt cctggattcg 180
 agtttgtgaa cgacactcag atggactttg agtactacaa gaatcgagcc gagtttgag 240
 agaaccacgg tggaggtgaa atttacggtc gcccgaggaga natcgccgt cctggcacc 300
 caggatcttt ggatggcagc gatttctcac gtcccgccac tcctgttggt ggcggtcggt 360
 ctgcctctcc tgctgcattt gctggcggan cagcccagca gcaacgattg atgtctcttg 420
 ccagcaacgt tagcgggtgac acaagtttct cgtcttaccg accagggtgc aataccggct 480
 tcctcacana ngactttggg tcagaacccc ctgctcgagg tcgtaccgt tgtttgccan 540
 aacaatggaa gtcctccag tcttgac 568

<210> 1824
 <211> 537
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

```
<400> 1824
cttcttttccc ctgttaccgg caaacaccaa cttgacgcgg gtctgagcta aaacctcgcc      60
ggccattttct ttatcatcag ccccggtggag ctgtagcatg tntttggtgc caacacagca      120
acatcatact tttgttgaca accgcgcacg gctacacact gtttccaaca tcgcgaaact      180
tggatccgag gcgactctag acacgctcct cagctctccc aactctatgg aacgaagtgc      240
tccggagtag tcgcagtcag gtttgcttcg ccctatccaa gcaacttcgg cgacaccaat      300
tctgaagggtt cgagggcaga tcacgcatct gctgcgcaat atcctgtcaa gcaggaagtc      360
aactactcga catcggttac tcccacctnc gagtacgggg tttaccctca tactgccgat      420
cangatcttt ccaaaacacg tncagngtta taccatcctg aaacagcgcc agagtggag      480
tntgggcaac aacaaaacag tccgtaatgc ccaacangat gggggagcca tnaaacc      537
```

```
<210> 1825
<211> 623
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G
```

```
<400> 1825
gaacagcagc gattgtcagt atatcgactt cactcggcga gctagtatct atctgccaaag      60
atgagccgaa gtaactacag ttacgacgac gaggatgact acgatgttcg ctaccanaaa      120
cgtggaccat ctccgtctcc ggcggggggc gttcgttatg tcgcaagtcc tcaacgtccc      180
caaaactatt tcaacgcacc tncgggaccc agctacctng gagctgatcg cctcaatata      240
acaagcatac accgatctaa ttctcgctcc cgttcccggg actactcccg aacacgggaa      300
cgccgtgcaa gcagcccgcc agctccagct cctgtgatca tcaccaacaa aatctataat      360
gatttgtctt ctgatgatga ggatgatcgt cgcaagaagc aagtatcacg atcgtntcgc      420
cggcgacgct ctcgctcatc atcgctcatc catcgcatca tcatccgttc tcgtctcggc      480
tcgncatntg catatatgac tcgaaaacat ggggaagctga aaaagctcgc aaggagctcg      540
angacttgcn aatttgttac agcgcgtgaa aaaggatgaa ccggaaaatta gttaaaccat      600
ttccgtgatg agngggangg cca                                623
```

```
<210> 1826
<211> 359
<212> DNA
<213> Fusarium venenatum
```

```
<400> 1826
cagggaaacc agtgttacct ggctcggcat caccgcgcag cgccctatcg agcgatgccc      60
cgagtgcggc agcgtctaca agatggacta cgctcggtcct gaggacgatc accaccacca      120
ccacctcct gatgttgagg agcccaagac ttttgccgat tacatcaagc ctgagtaccg      180
atacaaataa atgcattgag ccgagagaca ttgaggagat tgggctgcag tatcaagtga      240
aaactagacg ggtgtgatgc tgcccggggg gagaggatcc gttttgtgta gattaggggtg      300
ccttggtccc tgtgtcaatt tactaagtta gcttgacaga gttgatgttg aaaaaaaaaa      359
```

```
<210> 1827
<211> 586
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G
```

```
<400> 1827
cgacgacctc aaattcttgc cctatagaaa ggtctcgtca aacaatcacc gtccaaatcc      60
tactctactt ctaccgattg tcgaccattt accctctgcc taattcattt ancttgcgcn      120
```

gcgtttgggt	cgacggggaa	aattgtctcg	tgatttccag	gggttccaca	gcacatacct	180
tttgaagctc	gcgacgaatc	tacctatacc	aacgtcttaa	cctcatatat	attaatagca	240
tgcngactt	gtccgcaacc	aattgcaaac	atgtctgctg	ctgtgcgcng	tactgancat	300
accaagtctg	accaagaact	cgccatcnac	atcnagaaag	ctacaaacgc	cgaanaaatt	360
tccnaacgc	aagcatgttc	gcgcatgcat	tgtctacaca	tgggacacan	gtctctgccg	420
ccttctggtc	cngcatcaag	gtcaaccgat	ctccccaca	aattcaaana	tcaagntctc	480
ctttcaatcc	caagggctcc	aaaaagtcac	cncaccccn	caaggaaaca	tgggaaaccc	540
cccggatnta	tactttaacc	cggcttgggc	ggggaggtaa	aggatc		586

<210> 1828

<211> 786

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(786)

<223> n = A,T,C or G

<400> 1828

ggaggcgcg	actggaccga	gaggatcggg	gaatgctg	actctcaaca	ccgtcaccac	60
ctanaattct	gtcctgttcc	tccgaaaac	aactgggtt	cggaaagggg	ccgggcttca	120
ttttcgccct	cgggcggaac	ancgttactg	atctgttagc	ttatgtcatc	cacgaaagcc	180
tttctcactt	acnctcgtgc	cttggcaaga	atgtcgctga	tgatcttctt	tgggccagct	240
tcttgctggg	gggggtcttg	aacagccagt	ccagacttct	caccacccgc	aaacagattt	300
cctcgcccat	catcatcttc	ggggtcggaa	tcgtcatcgt	catcgtctcc	gtgggtcatgc	360
tggtgggatg	agctaccgga	tagatcctag	agtagcaatt	cctgtctttc	tctgttgcca	420
cggggcgctc	ttgcgggtcg	cttggctgct	accacgggca	gcttccgggg	cagggtcgacc	480
atcgagggtt	cgaggaccag	tgtagtgtgc	tggaaacggga	gcgggagctg	ttgatgtgtc	540
gcggctatcc	tcttcggcgt	cgcggaacca	ggcgttgctg	gcttcggcga	gatcccagtt	600
atgggcctcg	agatattgtc	tggcttcttc	agggcttgcg	ccgctcaggc	ctgcgaattc	660
gacgatctga	ccttcatggt	ctgccatgtt	gatgttataa	ggcggggtaa	ttggattgag	720
tatgtgtagt	tgtttccgat	gcgatatgga	ggttgaagat	ggtccgacga	gattaaatga	780
attggc						786

<210> 1829

<211> 329

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(329)

<223> n = A,T,C or G

<400> 1829

gccgagcaga	tttctgaacc	cggctctgtt	gtaccaactt	cgagcgtngg	agtttagnga	60
aatattcttc	ctcttaattt	tcactctccc	atccgttccc	taccaagatg	ccctcacaac	120
cctcgaatgc	gggtatcgtc	accgacnaaa	acagcggcga	tcgcgagatt	ccacagtctg	180
ttcgcgcaga	tggcagtnct	cgcagagcta	tcanaattcg	tcctggctat	cgnccacccg	240
aggatgtnga	ggtctacaag	aaccgcaccg	ccgaagcctt	ccgagagcgc	ggnaagaaaa	300
tcggcattcc	tgggtgctgca	ggtgtgaaa				329

<210> 1830

<211> 377

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 1830

cttctctccg	ccacgtcaac	gacgcaatcc	aaggttctcg	caggctcggg	ctttgtctact	60
ttctctgttg	atttagctcg	caatgtcact	tggaaagcgt	gagcaaagta	cacttcagaa	120
acaaagaana	cactgaaaat	agatgggttcg	gggtctattc	aaacttccgg	acgtgacagc	180
ctcgcaactca	caactgagat	ggccaaattc	caagaagact	atattgactt	ggtacctcac	240
aactggaatg	tgatctctgt	ctccttaagc	gataaccatc	acaattgtgc	attaccaatt	300
ccaagcnggg	catantcctt	tcattctcca	ctccactcga	ncgtnccaat	tcccganatg	360
ccgactcgga	natctcc					377

<210> 1831

<211> 530

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 1831

ctttattgac	cccgatttca	agtatcatgg	tgccatggga	caggtaatcg	ctcttctcat	60
tcttgacatg	gcagatcgac	ccattatgcc	ttttgacatg	gggtgggatg	cgcaaagatt	120
ggttcaatgg	gtgaaagacc	tcgaaaaaatg	ggctatcaag	cacttggagg	gccaacccaa	180
aggtgagaca	gacgctttta	aggagctcaa	ggaagctgta	cagctcatcc	agcacaacgt	240
cgccacattc	gaaaagtggg	agatggactg	ggaccgcgat	gtcttgggta	atggaggatg	300
ggaagccacc	gacattggcg	cgtctcgatt	agcatacaat	aacaagatgg	catactttga	360
gacngcgatg	ctggatcttg	aaatcgggtg	tggaatcccc	aaccgcacac	aattcaagag	420
catngtcttt	ggccagaaac	gtggtccaac	nacngagcta	tctttccttc	aatccgtgca	480
gcatagaaga	gggggatttg	aanaccgcca	aacccatcgt	tgccaaacgg		530

<210> 1832

<211> 454

<212> DNA

<213> *Fusarium venenatum*

<400> 1832

ctcattttgt	ctacacgctg	acccacctca	aaccttctcc	tgtcaatacc	caagcaacct	60
ccaaaatggc	ctgcggatcc	tccaagtgcg	tctacgaccg	taacggctct	ggcagcgccg	120
ccacttcaat	cgccgaatcc	atcatcaagc	cctccgaggc	cacaggcacc	aagaccaaatt	180
gcatacgaatg	tggtgactac	gaatgctgct	gcatccctcg	cactatcttg	taaagaagca	240
tggtctttatt	tttcacaacg	gaatgacaat	tatggagtgc	gtacgaagaa	gtgctgccat	300
ttctggtagc	acgttctaga	agggacaatg	aaggatggac	tacaatgttt	aagggaagcgc	360
tcgtcgacgt	tttgatataa	cctatgaatc	aaatgcaata	acaaaaaata	aacaaaaaaa	420
gattcaataa	agctatatgg	tactattatt	aggc			454

<210> 1833

<211> 525

<212> DNA

<213> *Fusarium venenatum*

<400> 1833

gaggagctat	caggtctcaa	ggctgccgct	gaggctattg	aggctcagac	acactctgct	60
accaagccta	cagagccaat	tcctgcttcc	tctgaacagc	ctgttatctc	cgaggtagtc	120
gttgaagctc	aagtcgaggc	tcagcctacc	gagtcatcac	ctgactcaag	gttggcgagc	180
attgaagagc	agctatcaaa	cctgaaggct	gtagctgagg	ccatcgaggc	tgaggcgcaa	240
cctgctacca	agcctgcaga	gccaattcct	gcttcgcccc	aagagcctat	cgtctcccat	300
gtagttgttg	aggctcaggt	tgaagcccag	gctgaagctc	aggctgaagc	tcaagtcgaa	360

agccagattg	agactcagcc	tgctgagcca	acaagcgact	cgagattgac	aagcattgag	420
gagcagttgt	cgggattaaa	ggatgcagcg	gaagctattg	aagccggcat	cagaagcggc	480
aagcaatagg	aaagctgtgt	acaatattga	agctatataa	tagcc		525

<210> 1834

<211> 489

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(489)

<223> n = A,T,C or G

<400> 1834

tcagtcttcg	tcactccttg	ctccagagat	acactcattc	acatccttga	nggattcaac	60
acattcattc	caatccttcc	aacggtcctt	tccctcaaac	caactcaaaa	tnntttattta	120
acagtcctgg	cgacgttaac	caaaaagctt	caactccaac	aactttaagc	tcaaacagac	180
aagatgcatt	tnctctgctt	cctcgtctcc	gtcatggcca	ccagtgccat	ggcatctcct	240
cactataagg	ncgtcaccga	gtacgcctac	gttaccaagg	tcgttaccgn	cggcgcggag	300
cagcccaagc	caacctttnt	ttacaanaag	cctgctccgg	tcgagggtcaa	acccacaact	360
ctccgctggg	ttaanaagcc	canacagacc	aatgtcaggc	tcccaagccc	acctacntcc	420
ccgcccctgt	tgaggacaag	gagcctgcga	ccgaacaacc	cgcgaccgac	agcccganaa	480
ngaggaccc						489

<210> 1835

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 1835

tcgcaattca	gagggtttctg	gcattcctcc	ctacgaacaa	actcgtcata	ctcgaatcct	60
ccaagaacag	tggctgtttt	tagcttctac	accgatccga	actcttcgag	ttattgtccc	120
atccgaagcg	gcccgtgatt	tcaacgtccc	gccatcattc	atatatcaac	ctcgaatgca	180
gatttagtcc	ttttcgctac	ctaattccaac	gataccacgc	gccaacgaga	aactagtgtt	240
gacttaccac	ttagtcaagg	gttggaatct	catacctacc	accaccacaa	gcatggctgc	300
cgactcttcc	ctcgtcgacc	tccatgatgc	gtccatgtcc	gacgataagg	acgacctcga	360
ctctctcccc	tccatatcaa	ccgacgacat	ttactccgat	gtttccgact	ctgatgcaca	420
agccgagtgg	gaacgtatct	ggagcagttg	cnattgatat	tgactatgat	gatcgtccct	480
ggatnggtaa	atactttggg	cgcaagtttg	cctactggag	ttngtcgcga	natatggagt	540
ggngncacaa	cgtcaatgtt	cgattaacgg	ataaaaaaca	tttaagggg		589

<210> 1836

<211> 583

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 1836

aggaaatcaa	gctcaattgc	ccgaatcgag	gtacgcctga	aaactttcaa	gatcactcga	60
aaacgaaaca	cctagcgaac	acccacagac	cgagccatca	tgacaccagg	cggcgagagc	120

[illegible]

<211> 130

<212> DNA

<213> *Fusarium venenatum*

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (130)$

<223> n = A, T, C or G

```

ncgaacttta cagnggattg gatgggaaaa cttgacgtan ccagnttaat cccctgcagn      60
acatcccntt tcccactggc gtaatacaaa aaaggcncgg accgatcgnc ctttcanata      120
qagggccaaa                                     130

```

<211> 596

<212> DNA

<213> *Fusarium venenatum*

<221> misc feature

<222> (1) ... (596)

<223> n = A, T, C or G

ctggcaacaa	ggcccttgga	cgacttgttt	cagtgtcccc	tcttctcctt	gcttcattct	60
cttcttgaac	ccttgataac	ctcctctcgt	ttccgacgtc	atttaccctt	acagagactt	120
atttctttcg	aatttgctct	tagttactct	ccactcatca	actccttgaa	ctttgtctct	180
gtgttactgt	attctgtaac	acagaccttg	cttactcttt	caccaccact	gcaacgcat	240
tgctcatccc	gtcgaattca	ttgattggtc	tttttgaaac	aaagagttgc	cctcagttga	300
ccacagtctt	gacacttttt	cgtcatgtaa	actccccgta	ccaagcgcca	atttgctggg	360
gcttcaaccg	atccctctca	gcagccaaat	cacctatttc	ttcaatgcta	gaaccccagt	420
tgagtctcgc	gctgctgaag	ctcagaagcc	tctcaagcca	gttctccctt	caacagtcca	480
ggcaaacctn	ctcagcgtcg	gatatcgagt	tcgcaagtc	gttcccgaag	gatataagac	540
agtcngaact	agtgccttca	agctctggac	agacaatgct	ncagtaaaca	ccaccn	596

<211> 589

<21.2> DNA

<213> Fusarium venenatum

<221> misc feature

<222> (1) ... (589)

<223> n = A, T, C or G

tgtcgctgca	gctcgatgat	ccttcgaccg	cttggctatg	gctacaaaag	ggcaaagcaa	60
gagcgtttgc	tgactcactc	ggtgcaaatg	tactcatccc	cgaagagttg	ctgaatagag	120
tagcgaatga	ccgggtcgca	tgcgagcttc	ttaagangga	acagggagtt	ctcgaaggcc	180

tgcaggatcc	ccttatcaac	tttgttattt	ctgcacgaaa	gctggcctcg	ttgagaaagg	240
aaatgacgga	gaatgcgctt	ctgtcagaga	tcacgaaaat	aagggacgga	atattagatc	300
tcgaacttgg	cgacaagcag	ctcagtgttt	cactctctaa	aaacgggtct	tcgtcgganc	360
gtgttaaatt	tgctgattgg	tatatcccac	catcggccga	tggcgccaaa	ngccggatag	420
tcctcttcgt	caggcactta	gatggccata	ctcaggcgaa	acggttgtct	gtttcggcgc	480
ccgacgtcna	agactgggtt	agaaaggctt	tcacatatcc	ngacatggnc	gcaccaccgc	540
taagcaaaaa	gannggcaac	cgttttctca	agaatatgaa	cggccttgt		589

<210> 1840
 <211> 643
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 1840	
atcagaaata	taccaggcca agacagtgtg actctgacca cgacaaagca ccaagagatt 60
ttcacttttc	tccgtcccag ctggccagca tatgaccctc aaggcaagca tggtattcat 120
cctgagcata	ccccgatct agatacaagc ctcaaccgac gttgggtcaac ataccctgtc 180
taccgtcccg	agggcccca cactgttgct cgctttcca acgttagacc cagcgttcta 240
tacgtattcg	gcggtaagag taatgtttcc cccctggagc ttcaggacga gaagatgact 300
atcacgggaa	ccggggtagg tggtagcggc ggtgaggcac agggtcgggt caagaagggt 360
gtcggagaga	acaacggcca cttggtcccc atggaggatc cccgcattgtg tgccagtgtc 420
gcggccgact	ggattaaagc tgagcttgag cgggtggtggg taaatgagcg tacttcnagg 480
aatggctcag	caagtccaag gaggagaaga caaccgtctt aaacgagttt caaaagtaca 540
taggtaaacc	tnaccttgg ccagcaaggg ccaaaccgna aaatataggc cgatagacgt 600
gccgnatgtg	gnaatgtcac attgaataaa tggataacat ttg 643

<210> 1841
 <211> 167
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(167)
 <223> n = A,T,C or G

<400> 1841	
ggctactcct	gctgcaagag gagagtgttg gagtttgacc aattcatgaa gattgagggt 60
tgcaagacca	agaacaaaca tttgttcgtt ggtagtggaa agaaggacga cgctagcagc 120
gaggaaatgg	ntttcaacgt cagacaccaa tttttatcan acccccg 167

<210> 1842
 <211> 665
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(665)
 <223> n = A,T,C or G

<400> 1842	
caagaccggc	ggtgacaagt ccaaggggcga cactggctac cacggttcca agtctggctc 60
tgaggaggag	tgctgtgttc agtgcaccac tgtctacaat gcctgctgcg atgctttggt 120
gccattatcg	agancgtgca ggaggcttac accgtctgcc tcggttacia cccatgggaa 180

cgtcggttccc	ttcgtcgagc	ctactggtgt	gccaagcacc	ggaaagcttt	ccggcgatga	240
atgttgtcaa	ttgtcttctg	gcggtgaacc	gtgtccgccc	cgttctggct	cttcattgcc	300
gtcggagcct	ttgctctcct	ctaaatgcat	cgtagcctgac	cgagtgcgcg	cacacttttc	360
gcttcgaagt	tctatttcca	ctccgttgct	attggggctc	ctgcgacttc	aottottacc	420
ttcttagtgg	gcagcctggt	ctgtgcagtg	gatattttacc	ttattatctt	tcatgatctt	480
atgtattatg	ggtgcctttg	tcgaatatgt	cggcctaaaa	tagtttacga	tagacacgta	540
tgtaatatcg	acgactggat	ggagattctc	tgattggcga	tggctttggg	ctttggggaa	600
cgaagttgta	ttccatagtc	tttagacttt	gtgttcagaa	ggtcaattta	cttctctatc	660
atctt						665

<210> 1843

<211> 682

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(682)

<223> n = A,T,C or G

<400> 1843

caatcatcca	cttaagcttc	agcctcgatc	atcatcacccg	ctacctcaat	caacttacaa	60
acatctttga	caatctttgt	ccaacaccac	ccaacccaac	acaatgtctg	cccctacttc	120
caccgcttct	ccccctccta	cctctgacct	tccctttgcc	aaccttccct	cttccccctgc	180
tcctggctcg	aactccacta	ctgctctgtc	caagcctgcc	tacgcctccg	actctgactc	240
tgacggtcag	gctcgagggtg	gtcgccgcag	cagaagcagc	agttcgttgt	tcctcttccc	300
acctctaccg	gcctctctca	gccgctggtc	aacttctcaa	gggtgccact	gacgagaacg	360
gcaacaaaaa	gtccgcccgt	ctacttgctg	gtatcaagct	cgaccttgag	gccgagggtca	420
cttgactgcc	cgagtcaang	gagacatctg	cattggactt	tactagacga	cggcatgcct	480
tctgcttgac	tntaagtcac	gtgctaggng	atttaatcgc	agaacatagc	cngngggcat	540
gttatgatga	tgaaaggata	cctnangggc	ctgatttttg	gacnacttgg	caaacaaatt	600
gggggggttg	aaaaacggac	gggattnttt	taatntggat	ggnatatnaa	acttggagct	660
atganaaata	tcctttgtac	ng				682

<210> 1844

<211> 989

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(989)

<223> n = A,T,C or G

<400> 1844

gctatctttg	ctgttgctgt	gattgcacgg	ttttgcgttt	tacaactgta	cttatggttg	60
cgacaaatgc	gcggcttgga	tcaacagAAC	cttcctgcta	gatctatcat	ctcgtctttc	120
tcacagcctc	gacgactatt	ccagtcgcgg	cctatctgga	caatggatga	gaaggacacc	180
acaccaatgg	ggcatcgggg	agatatcgat	gtggaaagcg	gcctacaagt	catctctgca	240
aagaagaact	tggtcatcaa	ccccaaactgg	caaagtgcag	ataatgccat	gtccaaacac	300
atcatatcgc	gaccacctcc	ggcaccacct	ttgacacctc	ctgagttgag	cacggctgtt	360
tttacttttg	aagaccgtcc	ccgtccaggc	gacgatagtt	tcattccgtca	gccaaaacct	420
gattacatgt	cttcaactac	agacgctatc	cttcctccta	gctcaggAAC	agcctcagtc	480
accgctcggc	gctcgtacaa	caaaaactctt	cctatcggaa	tccttgtttc	tcattcatca	540
caggacatgt	cagatgctgc	cgatcttgct	ttgtcgccca	gctcttacc	atctgcgagt	600
cogtttttac	caccggcccc	accaaacgca	ggaaccacgg	agatcggcgt	ccagggcgag	660
atcattgggtg	ttcttgatac	cgaggggtgcc	agctggacaa	gacatacgcg	tgtctatgga	720
ggcggagttc	gccttgcttg	tgtagcctcg	ggcgggaatc	acgngngtg	tttctacgga	780
gcaacagtcc	ggccagagga	aatgcgatga	caggtttaac	agtttcggaa	cgaccatggn	840
gtaccactgn	cagtttatgt	ctggctggat	atgaatggca	cttatggncc	ggcatangga	900

tccatgtgta accaccgtta ccacttgata ttagaggngg atgngggcca acnaccgcg	960
cttntggggc aaaattttct tttgtnnta	989

<210> 1845
 <211> 551
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(551)
 <223> n = A,T,C or G

<400> 1845	
catcaatcgc tatatcaaca ctcggtttaa caactccaat ctactttctt ttcgacctct	60
ttctcaaaca aacccaata aaccaaacca accttcaaaa tgcacgcctc cgctgccgtc	120
ctcgcccttcg tcgctgttgc ggctgctgcc canaccctg tggctcccgt tgctactccc	180
atcgctactc ccggtgcccc taccaacggt actaagcccg gtcacggctc tggctccggt	240
tccggttccg gctctggttc cggctctgag ccctccaacg gcgcgggtgc ccttgccctc	300
agcggctctc ctggtgacct cgcccggttt ttcttgctct gtaaatgtct ctcaatgaga	360
ctttcgcaga gttggtggat atgaggacct tgtaacagac aaccttgacg ggttctggag	420
gaatcgctgct ggtgcgcgtt taactttcga tggagataga tcgggttttc gattgtccc	480
actaggatag aatagatcaa tggagccgtg atcgcttcag ctatattaat actaatcgca	540
taccaccact c	551

<210> 1846
 <211> 416
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 1846	
cggntccttc atcggacttt tctgaggaag gtgtcttaga cctttcagat tcaccatcag	60
gaaaggcaca accttcatta gagcaccaga agagtttctc ggactctcct atgtcttttc	120
actttccacg caaaaacatg acgagcagtg ctcccagctc ttcctttgga gacgacgaga	180
tccctcctct gatccctccc aaagcacgag gccgttctcg ggcctatagc tcaccggacg	240
tggaaaaggt caaggaacgg gttgcgagtg ccatgctcga ggtcgagaaa ctccagaaac	300
aaatagacga ggntatttga gaggcagagc tntatgtcca agcngncag caacttccca	360
ctctgtgggt agaaacatgc cgagtatgag ttctantctg gngacgaatc tcattg	416

<210> 1847
 <211> 521
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = A,T,C or G

<400> 1847	
ggatcatcag ctcgctgcgag cccagtatcc ctggacatgg tggtttcccg gacgacatcc	60
tcgacgacac gaacctgaaa agattgctcc tcaccagccg cgccatattt ctggtgaacg	120
agaacgtaga cgtcggggta gtagtgctcc tcgcgcgtcc acgagctcaa ccagaagccc	180
cacgcccgcc tttgaagang agcagggcgt tcatngacga tccagcagcg gttccgcctc	240
caagggacga aagaggctat ctacaagttc caagccgaaa cgaccaggta acgattcacg	300

ctctgtcaca	cctgatttcc	cttcgccttt	ggctangggag	agcagtgcga	aacgatactt	360
ctgaatcagg	accggaagga	ggaaaaggtn	ttgaggaatt	caccttctag	atctactggt	420
gggtcaaagg	acnccgaaat	agagaaatag	tttaatat	agtgatggat	agtattctag	480
tgtactcatg	ggattcgacg	tatcaaccga	ctgacgcacc	c		521

<210> 1848
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 1848						
gtaaatcgct	tatctcgcga	gctatcactt	cttcgagctg	cccagaacgc	ctcggtcgtg	60
tccaacactt	catccacctc	cgctgcaaac	tcatcccatg	atgtagccga	acagtctctc	120
ctctcaggcg	caggcttttc	catccccacc	gctcgacacc	accgaacgtc	atcgaccacg	180
tctcagggca	ttgccagcca	gcagctgtca	tcgtcctacg	aagcacggat	ccacgctcct	240
cgccccctcg	atgctacccc	tctctcgcgg	caggatagta	ccgcctcccc	aaggagccta	300
acaaattctc	ccgggcccga	acacagcagc	agcctcgacc	cgtccaatta	ctttcaacaa	360
cagcgactcc	cgctacgctc	gatcccaccg	agttccggtg	gtgcaacacc	cggaagtctc	420
agcgagcaac	tgagtcccgg	acttatgcca	gctaccatgc	gatacgagga	gacagcattt	480
tacagaaacg	agctcgagac	tggcaagaag	gagaatgatg	ttttgaagcg	aaagatcang	540
gagttggaga	agcangttcg	ncagcgaaag	agctagcgat	acaagtnggn	caaggagtgg	600
atagtggcag	taccactacg	agg				623

<210> 1849
 <211> 689
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(689)
 <223> n = A,T,C or G

<400> 1849						
tgattctagg	ccttcggcgg	ttccatgtca	acctaaaaca	ctcacatgac	attgactgtc	60
tcttccaacc	tcgacacgca	actgtaaaat	ctacgctcga	cgactccagc	caccgaccta	120
tccatttcgc	gcccgaaaaa	aaaagtacaa	gcagaaccct	ttggcccaca	atgtctaacc	180
gtcagatggc	tcgcgatatg	caggtagagt	tccagggtcg	attccaagcc	aaacaggctc	240
gtcgcgagcg	ccaaaaggcc	gccaagcagg	acccatcctc	caagaagcag	atacaagacc	300
tactcaagaa	gggagagacc	cagaaggcgt	accagaaggc	caagatgctt	ctctccaagc	360
aggcactcgc	tcagcagatg	gaccagatgg	ccgacatggc	tgagctgtct	gctgcacaga	420
tccaggccaa	caactcgatg	aatcgaatga	cccagatgat	ggcccaatca	tcgcgaacca	480
tgaacgttgc	cagaagaaca	ccaatcctga	aaagaccctt	gtcaccctct	gagcaattca	540
aacagcaaaa	ccgaagaata	cgccttggtc	aacggcattt	accaagacgc	cattacccag	600
tctacctcga	cccaagttgg	cgangatgct	tgtccacgag	ctactcggaa	aagttggggc	660
gatgacgctt	ggctttgact	taacaaagg				689

<210> 1850
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)

<223> n = A,T,C or G

<400> 1850

gatggctcct	ccccctcctc	agcacaaccc	tcacatctac	gtcctgtg	cccagcctcc	60
cagcaacatg	gcacccaacc	tgcgcattga	cactcaggca	ggctttggtt	tggatatg	120
ccaatatccc	atgtcggcca	ccactgcttc	ccctgcagag	tttccctcca	gtccaggatt	180
cttccctcct	ggccccgagg	tgccctcagtc	taactacaac	acccccctacg	gcaatggatt	240
cctctcgccc	atgggcaacg	gtgagggcat	tcctacatct	gtgtctccta	tctctttcaa	300
cggcggtgag	ccttctatcc	tggagcagtc	acctcccatg	tcgatgatgg	gacgtcctgg	360
ttcaactgac	atgtatgctg	tcaacgatgg	atcatgcgcc	gtttcagatg	acggaactgg	420
cctgaacgag	atgtactcta	aacacacccat	caacatgcct	atgcacacgc	cttctcctgg	480
atatgttcag	catcaacang	ctgatctcga	catgggnacaa	cttgtgcaat	tcgacgcaat	540
tgatccttca	aagcctatcc	cccgangcaa	tgtccacgct	caaggaaact	aagcaagcaa	600
tactgggtg	gtataagtgt	tgatggctt				629

<210> 1851

<211> 382

<212> DNA

<213> *Fusarium venenatum*

<400> 1851

gaaaacctat	ccatgctcca	agcctccatg	agccctccat	cctgtcacat	cctagcgact	60
gtccagtatc	ttcaatgacc	aacaagtcc	ggcttctacg	ctgtgcgcct	taaagatcta	120
ctacaggtcg	caccgtcggt	gttgtcagc	attgatacat	attgctatta	tcccacaaaa	180
agaatatcga	gccgatacca	aacattgctt	tgcccttatcc	tttttccatt	atcagcattt	240
cgacccccga	tacgggtgata	agtgtctcca	cctgcgaaca	tcgacaatca	tcccgccttcg	300
atgcccccg	ctcttctctca	cctcgtgacc	ccgcctgaac	gaatgtcgtc	cgttaccttg	360
gcctccaact	ttgctcggtc	gg				382

<210> 1852

<211> 617

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 1852

cgattccctc	gcgatagtta	ctatggcagc	cgccctatgt	ctctgaagcc	agaaggcaac	60
cagtatgaca	cagggctccc	aagcaactat	tttcatggcc	aggcttacag	caacgggttat	120
ggcacaggtc	catcgcgcca	acggatgtct	agaatgcaat	cagagccgca	gtaccagaac	180
ggtcacgacc	aaaccatata	tcccctaccc	aacaaggatc	gatcttacga	gaccgtagct	240
tctgtctg	gaagcggcca	ttcagaccac	gcaggctatc	agacagatcc	cacgagcagt	300
gacaacagtt	cgattgatcg	gactatgccg	gctaagcgcc	gcgagccttt	caatgagtat	360
gcgtcaagtt	cttcccaata	ccagccagca	aatcagtcac	gccccctggc	tactcctagc	420
atgaatggca	atgccagcta	tcctcagatg	ccaccacctt	cccctgcgca	atcagctccg	480
agtcaggacc	aggctccggt	tccttctcag	aagcagaaga	acactctttt	gaggagaaca	540
tctacacagc	aatcagcaca	acagcccca	caaacagctg	gcggggataa	gcgcaagagt	600
tggntttcct	cgtaggt					617

<210> 1853

<211> 584

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(584)

<223> n = A,T,C or G

<400> 1853

gcctaccccc	acccgtgccg	agcccaaggt	caccgttgaa	gctagcatcg	acacctctga	60
tctttctctc	gagggtgcct	acgacaccgt	catgcttgcc	taccacaaca	tccaccgcgc	120
gaaccactct	gcccccgctc	ttgagtggga	cgatgagctc	gccggctacg	ccgagaacac	180
tgccaacggc	tgtgtcttcg	agcacgacat	ggaccaaggg	aatggcggtt	acggccagaa	240
ctcgcatcct	ggggtgctac	cagcgacatt	gatggactca	agaacaaggc	tgctgctggg	300
ggtattacca	accagtggta	cgacagttag	atgtccaact	gggctttcta	tggccaggag	360
aacccccctc	cgacatgaac	attgacctct	acggtcactt	caccagggtt	ctggaaggat	420
ccaccaaggt	cgctgtccat	gtcaatgcct	gcggggattc	tcacttccct	catgtaacat	480
tgcactacac	ctcaggtaac	ttgtggcgta	cggacactct	cancnagga	acaactttat	540
gtagaccaa	nactcnccga	tcgaaaggcc	ttntctttaa	naaa		584

<210> 1854

<211> 502

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(502)

<223> n = A,T,C or G

<400> 1854

caaactaatc	aactcttccg	tgtctgcgtc	cagcatgtca	cacgccggaa	aaacgcaata	60
cgattctttc	gctcccaagt	atgcatctgt	tagtgagctg	ccctgttcna	aacttgaggg	120
tcagcttggt	aggaatgcct	tgggggactg	tacgggatta	aaagtgctgg	atcttgngg	180
ggggagcgga	cttnatgcta	gaagggcgat	tgaagctggg	gcgaaagttg	tggatgttgt	240
tgatatttcc	cctgagatga	tgaagccgg	caaagagatc	gagacaagcc	tcggacgaca	300
gggctgnatt	cgctggttcg	aagccgatgt	caccaagcca	gtcacagagc	aagtcaacat	360
cgaagataat	tacgatatcg	tgatggcaaa	ttgggtgctt	gatcacncta	cctctgtttc	420
cgaattacga	agcatttatg	agaatgttgc	aanaacttga	aggttgngg	caagttcctt	480
ggcgtaaggg	caaanagtat	cc				502

<210> 1855

<211> 396

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 1855

cttttcncaa	ccattacaaa	gactgtcgct	caccgtttga	tctagtcat	cgtcgacngt	60
aactggatta	tcaatcaatc	agcacctaac	gagcctgac	ntgganggca	acgtgaacac	120
ttcgtaactt	cccgacaact	tgtccgagaa	actcnggcc	gtcgtattct	taatacccgt	180
gacgctacgt	ncactgactg	gnactatggc	cancgaacaa	cnccttgga	aaacaagacc	240
actganttcg	acgaacttat	ggccgataag	ncctacccaa	gaggataagg	tggctcttcc	300
aaaaccctt	ctngacaatn	cctgggtggg	tttncccaac	nacccttgcg	aaacgaagnt	360
ttgacaaaaa	cttattgggt	tattaaaccc	tttttt			396

<210> 1856

<211> 817

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(817)
 <223> n = A,T,C or G

<400> 1856
 cccacaattc atctcttgta accaaaaacc tacatcaacc aacaaaacttg cttccttcta 60
 catttgcaac tcaccacata accttacctt tcctaatttg gctggganntt ttttngngnt 120
 ggccnttaac gaactataac cgacgaacta ttcaacactt tatttttttg ntgggggtttt 180
 atcggtacc tggataaatc ccgcaccaat tccggaatac aacaaccgcg actttcggcc 240
 caaactcaca taatgtctgg catactacac ctacaacgct acccagtga ccccgctccc 300
 atgtcgacaa ccaccacgcc ggccgaaatc gcagagctcc tcgtctctcc atgtctcaac 360
 aagtccagcg ccagttccga tctggtcccc gtaacatgaa cttgaaggat cccgaggctg 420
 ccgccatcac ctntttccga ccaagttcga gaccagccga tcttttgatc ttgangacga 480
 tatggagttc tgccccggtc tgggtgactga gaacgactac gtgtctatct tcagcgcgtn 540
 cgagcgttct tactagccag caacttttnc ganttttttc cagcaacaa cccaacactg 600
 gtgnttctgg cttttttnctn aacttcgaca tccccggctt catccccct tttaccagca 660
 tcagccaaagc tgaagnttac cagccttcgg tantnggggc gggtgagcat gcatttanaa 720
 gggccaaatc gncctatagg gagtcggatt acaaattaat gggccgnggt ttanaacgtc 780
 gggatgggga aaacctggcg gtacccaaat taatcgn 817

<210> 1857
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 1857
 agcctaattc ttaaattctg actttcgtaa ttgattagtt tccgatttaa aatctcatgc 60
 atttcacatt gctctctaca tacaagtcac ctatctagac tgaaacactc agtgtaaaaa 120
 catnatggac cgccccaaca acgccaata catgctgtcc gaagggaatc acgagcttcg 180
 cgtcattcag gaacaatata tacctaaaca tgctcagtca ctggttgatg tgcaataactc 240
 aggaatcaac cctgccgata ctccggcacat gtacctgaat atgacgaact acgttgccgg 300
 ttatgagttc actggaaccg tcaagcaagt cgggtccagag tcccccttca agattggnca 360
 aaacatcttc ggcatttccc ttatgtacga ccgtcgccct aattatctcg gcgctcatca 420
 gagttatctg cttgcanaac cgttgatgac atttctgcgg ccagaacacc tcgacccccat 480
 cacagntgng acacttctcg ctggnggagg acagcgatgg acggtctntt caacgtcctg 540
 ggctatgggt tcccacttgc cgattccccg ggaatgaacc taaagatgaa ccccttctna 600
 tntggggagg cccaggtagc ngtttgaca agg 633

<210> 1858
 <211> 644
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 1858
 ccaatnggca aaaaactggc ccgttcccct aaacaaagga tttgaccctc cgaagaagcc 60
 gtctaacgac gggtaactgc cgcccaaagg gaggtttgca tccgactaca aggtcctgc 120
 tgccccctgcc cctgtctctg aagaagcctg ctcccaaagg aggaaccca aagaagagaa 180
 gagcccaagc caagcccccg ctctccgatc tccccctcct accatgaacg aagcaagaag 240
 ggatcgattt ccgctatggc ctccaagata ccaaggacaa gcaggaggat gaggaagag 300
 gacgatgatg cttcaagctt cgaggagggt ttcgcgacct gctcaagcgc caagctgttc 360

ctgcaagcca	agttcacgcc	tcttgctcaa	tgcgaagacg	gctttcttcat	tcacccccgc	420
aagtcgcgaa	agccttcctc	gccgggtcaa	gactcctact	actcccgcac	tctcaagctc	480
ccaccacctc	ttcttcctct	gctcatatca	ctaagtgact	cttccttcgc	cgaagatnaa	540
gcaactgctc	caaggggtcaa	gaccaaagca	aatngggctc	cttgaccgct	gaaggttgaa	600
ggcgctcaan	cgcaanggtc	aagcactggc	tctcaaggac	caaa		644

<210> 1859
 <211> 541
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(541)
 <223> n = A,T,C or G

<400> 1859	
cgctgtcaaa	gaaggagaag
aaaagaccca	gtcaaggacc
cgatgaaggg	catgagcatc
gccaagaata	ccaagagatg
ctccgggtccc	caccaaccaa
cgccgctccc	gacgccggac
gaaaccagtt	gccccctcct
accctgagtc	gggccacttc
cccaagccng	gtgcacgaat
g	

<210> 1860
 <211> 120
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(120)
 <223> n = A,T,C or G

<400> 1860	
nngccagtgt	gctggaattn
gncggatat	ntcacnggt
	actngtgcag
	atcacaggt
	ccntctganc
	ganatctact

<210> 1861
 <211> 510
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> n = A,T,C or G

<400> 1861	
gtcgttatga	atacacctcc
gatcggtgct	cgagcgcctc
cccgacaacg	atacaatgga
accaacataa	gcgcgctgtc
actcccaate	gccgagttta
tccaggccaa	tggaaccaac
gtcacaacaa	cggcaaaggc

caaaggcagg	caaaggaatt	acaagccngc	ccacgatgaa	tctgccgaga	accattcgca	480
gacctcaacc	aagcngtcct	ggccaaacgg				510

<210> 1862

<211> 612

<212> DNA

<213> Fusarium venenatum

<400> 1862

catcaacaca	gttaattctt	cattgtatcc	tcattctcacc	tccaacactc	atatcaatca	60
ctattttaaaa	gtgttatctc	acttacacca	catcactcac	aatggccgcc	atcgctaaac	120
ccgctctcgt	caagcctgct	gcctacccca	aggccctccc	tggtgtcgta	gctgtcggca	180
gcttcgccat	tatcgccagc	tacgtgagct	cccagcttgc	caccacatca	gccaagtctg	240
accgctcctt	tgcaaagtac	aacacagtcg	agagcgagac	caaccgagca	agaacctttg	300
acgggtgccat	cgaggacccc	aggacaagtc	tcttcaacat	cctcggccgt	cgacagtaag	360
cgtgcaaata	ttcagcgaga	aagggcataa	gctacagaaa	catccatggg	gattcgcttt	420
gcataaacat	acatacacat	acttcttctt	tgcgtaaagc	gttctttatt	acgttggaca	480
acctcgctt	ttcaagatgg	cgcaggtacg	gaaacaacat	acatttgggg	tatctatgga	540
agattgggaa	gagggagcat	cgataccata	taaatcatat	aatctaagca	tcaaattaaa	600
ccggtcaact	tc					612

<210> 1863

<211> 600

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(600)

<223> n = A,T,C or G

<400> 1863

ggggccttgc	tcttctgttt	ctagagtcgg	ctcggccgct	gctggtgtag	tttcgggctt	60
agcatcctcc	tccgcctcct	tcttctctgt	atccttggcc	gcacgcctt	tgataccgtg	120
aaccactcgg	aggccttcag	cctgtgtggt	tatcgcatcg	agctcgcgtt	ttcggtgaag	180
tcggacctta	atctccttgg	ccatatcttt	ttgagagacg	agaacaacct	ccttctcagg	240
atgaccatcc	tgaagtccca	gctccttgat	cttgaccttg	ccttcggcaa	cttcgtcatc	300
gccaaggaac	attgcaaaa	cacgccatta	gcctcagcga	ccttgaactg	cgcgcgaaat	360
agcttgacct	tgtaagaaaa	tcagcctgac	aacatgttag	ccttttgtca	ttgaattgat	420
atgtcaatgc	acaatgctca	atgacttgat	acagctccag	actacgcaca	ctgactacct	480
cctcagaacc	tttccaggcc	agaataaagt	cactcttggt	cgacgcagcg	cttctcncgc	540
acttggctng	gatgaganat	ttcacgcaaa	aatacgacca	gggatggnc	gcnagaaaat	600

<210> 1864

<211> 623

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 1864

gaagagggtt	cgcaacaaca	agaaccagcg	agccaaaact	gagaaggaag	acaaagagcg	60
tcagagacaa	gaggccgcgg	acaaacgcaa	aggccgcgca	gaaaggcgac	gaggagagga	120
ctcagatcct	gccgaggaga	cgccccctgc	cacagtcaaa	ccccagcca	cgaagagtat	180
tgaggcacct	gtcattatgg	agacacccgc	gccagtcgag	cctgtacccg	acacaccccc	240
tgcgagtcac	cagcctgttt	caagcatcca	gaaacgtggc	ggaagaacgg	ctcacaagaa	300
aggcaaaagg	aggaaccagt	atacgagaga	tcgagacggg	gaaggcgagt	cgccagcgcg	360

gtcaatgtcg	cgtgacatac	agaagaccag	tgacgagccc	acgccgggcta	cccgaaacca	420
acgagtgaac	atcgacatgg	caagtcgaag	cgggccattc	accacaagtt	gaatatggtc	480
gacatgaanc	ggcgtgntgg	cgccattatn	gattttatnt	cgaggactca	aagtagacct	540
ttgcagccga	aacttttngc	agtggacgaa	tgagaacacn	agttaatggg	ggggggggtcg	600
cttcaaaaag	actattagct	ttn				623

<210> 1865
 <211> 640
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

<400> 1865	
gcagctgcat	60
ctgtgctccat	
gaaccagctg	
cacttcatcc	
aacttcgata	
ctgtgatgag	120
ttgatagagg	
ctctaatega	
gtgtgctgag	
gatcaggtgg	
agatggtggc	
cnaccatact	180
ggtgaggttt	
ctgacgagat	
tcagttatca	
ccttatgaag	
acgttctgag	
agcttgctgc	240
ttagagcggg	
tcaacattcg	
cgatttgccc	
gttttcggca	
ctcaagaata	
tgagttagaa	300
cgagctgtcg	
atcgattaat	
atgtgtaacg	
acaatcttgc	
gcaatttatc	
gttccctggc	360
gaggcaaacg	
agaatcattc	
tgttcttgca	
gatgagattg	
ttatcaagtt	
tctttgcggt	420
gtcatcagat	
atctcggcnc	
gcggatgatg	
cttctaagat	
cccanaataa	
tacgttggac	480
tttatgaagg	
atggtgttat	
tctgctttct	
aacatngntg	
gcacaataaa	
gattccagga	540
cgagagcagg	
ccctttgctt	
ctacaattcc	
tcntancatt	
cgcgccggcg	
cctaataccca	600
cagtnttggg	
cggaactntt	
tttttttngc	
aatacgancc	
aagcctgcac	
gcttacctgc	640
cccatgctgg	
tgatgcccta	
acaaaagtta	
ctggcncccg	

<210> 1866
 <211> 388
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(388)
 <223> n = A,T,C or G

<400> 1866	
gcgcataaac	60
cctcttgaca	
tgtacaagaa	
cttctctctc	
atcgaatatt	
tcacatcatc	120
atctggaatg	
atcaaccact	
ccaacctcac	
ccgccttcga	
ccagtcaacc	
agcgcaagg	180
ggccaagatg	
gtccgcccag	
ttcaggggaat	
gggtatctac	
cccagcgtgc	
acgcccattc	240
cgaaatgctc	
cgtgaggatt	
tcttcacgca	
ccgaaagtag	
accagtcgta	
tatacaggaa	300
aaaagcaaac	
gggaaacgag	
ttgttctctg	
actggcggtc	
tggtgaatgg	
gatgatgtca	360
tgatcattat	
ttttgnggtc	
ttatgtataa	
cagcctcaaa	
cctctatgta	
acatattgat	388
acaattgtca	
acatccaaaa	
naaaaaaa	

<210> 1867
 <211> 470
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

<400> 1867	
cgaaaattct	60
tcctcctctc	
tcctctcaaa	
agaagaccaa	
agaaatccca	
ctctggaagt	

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ttttgaactc cttctcgccg atctcgctct ctacaacagt ccatcatgag cgccaaccct 120
gaagcacctg gcgccccagc cgaacgcata acctctacag cttcaaccat caccgattac 180
gcttatccgt acggtcactt tggtcattct acacaaaagc aggaggaagc ttttgtccaa 240
ttaagaagg tcttgaggga gangggactt ttgaagcctg gtctctctcc ttctcatgat 300
gaccctttga tcttacgata cttgcgcgca cgacgatgga atgtcaaaga ccttatccca 360
ntttaaagaa acagaaaant ggcgaaaggc aacgacttga atgtgtttta tgataccatg 420
atctcaacgc ctacnattcg ncgtcgcttg tntctcaatg gacagtcgac 470

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<210> 1868
<211> 151
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(151)
<223> n = A,T,C or G

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<400> 1868
nttnggggga agaaacttcc tccggatacg cccgcagnat ccgctgctct naacaagagc 60
cccatcaact ggtattgctg acaccggtac taccctcctt ntactncctg acgctgncaa 120
ctcggcctat tntgccaagg acagaggtgc t 151

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<210> 1869
<211> 655
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(655)
<223> n = A,T,C or G

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<400> 1869
gatattccct ctctcgctctc acgggattca ctaggacctt ctgccacata ttctcgtaga 60
cgctcggcaa gcccttcgcy tgaagacact gtncgccccat accggggngg cacgacaaca 120
ccaggaaggc cgactntctc aaggcaatcc tcggccngga agttctctag tcgtccggn 180
cccganacaa agattgtcgc atcggaggcg gaaggatcca cgattagctt tgcgccgccc 240
tctagtacag attcagaaac accaaaagcc gggccgtatc gaccgagcta ttcaaggcag 300
tcttctctag gcaactatcc gagcaaatcg cggtcagca cacaaataac gtnnggtgag 360
aacgatagca agaaaatntn ttttgcgagg caaccagatt acgagccata ttcggccccat 420
cattctcggg tccattcgcy acgtagtctc cggggatctg cacagtacgg aggcgattat 480
ngngatcaaa taccgaaat gctcgaaaaga tatcgattan gctctcacct agaggangaa 540
gcgcangaac caggtcacac nccccanggg ttgggagctt gtnattcaac gaactggcca 600
agcaanactt aacnccttat ttggcaacga attggatgcy tcacanttcc aagggn 655

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<210> 1870
<211> 545
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

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```

<400> 1870
cgtctactac cttcgctacg tccaaaacac cgactgcgtc agcatccgcc gctcagacga 60
ttgggatgtc tctgctggca atgttcgtgt cattggcccc agctacgacc tcgtcaacaa 120
caagccctgc tccatgctca aggcttgctg ggcctttggc atcatgaacg tcattctttt 180

```

cgccatcacc	tcagtcgtcg	ctttcctgca	cggtggacac	atgagcgctt	ataaccgcag	240
ccactcccgt	cgatcttacc	actccagccg	tcacagncac	cgaagccact	ctcgctctgg	300
ctctcgtcac	aagcaagccg	tagccgncct	cactctngcc	gtgtctacgt	ctaagctgga	360
gcatggctgc	cgctgcgctt	gactcgagtg	ccagcaagca	cggaccagaa	caacaacaca	420
tcgaggatac	cggctttttg	ggcgtctacc	ggctcttcca	cttatattca	taccnaata	480
ctacaatacc	cagcccaatg	actggcaaat	ggnagntttc	gcaagctctt	canctttgtc	540
cgttg						545

<210> 1871
 <211> 415
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(415)
 <223> n = A,T,C or G

<400> 1871						
ctaccagcca	gaatctcgtc	tccagcccac	gatgcttgcc	acgagagtac	tacgagccgc	60
cgcgggcgga	cccaagccca	acatcactgg	cttcaacatg	cgagcgttcc	aagcatccac	120
tggccagcct	ngatacgatc	cctgggagcg	aaatgaggcc	tggcgatacc	agggccccta	180
cacccgctgg	aaccgtctca	agagcggttt	ccctgggtctc	ggnatngcga	cagtcgcctt	240
cactgtctac	tgcggctacg	agtatttctt	cctcgaggac	gagcaccacc	atggcgagga	300
gcaccattag	agtgggcatt	tacggcagac	gataaagcgg	gaagatcttg	agcactgttt	360
gggtgtgggg	aagtttgtca	tatacctcgn	aagcgagaaa	gngtcaccng	attac	415

<210> 1872
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 1872						
gccgaggtta	aggagtccct	gatcgaggct	ggaaaggctc	ccgaggctgc	tgccaacact	60
tctgccgctg	aggacaagaa	gctgtcgaga	gcgagctctt	gaaggaagtg	aagcctgtta	120
ctggcattta	cnattctgtt	gttgagcaag	agcagcccaa	ggacgaatcc	aagcaggtat	180
ctcctgaggt	tcccgcccan	gtcaaggatt	ctattgctga	ngctggcaag	gcccccttaag	240
ctgcccgaac	cactgaggct	gtcgangaaa	anaagcttgt	tgangctgan	ctccttaaag	300
aaatcaagcc	cgcggccaca	attgatgaaa	ctcctcaggt	tgctcctgaa	gtgcctaccg	360
aaatccaaga	ntctnttgtc	aagcccgtta	cncctgagg	ctgcacttgc	accnaaactt	420
cganaacaan	aaggaagtta	aactcaactc	ctccaggaag	cnaacttgtc	cctctntcng	480
aaacccaaac	ctgccttttna	aggccancct	nactctctgt	cagcctcagg	aaaacaaaat	540
canaactgtt	tctcccttcc	nccctttttc	ttccccaaaa	aaccaggccg	aag	593

<210> 1873
 <211> 810
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(810)
 <223> n = A,T,C or G

<400> 1873

agaacttnca	tccaacacaa	cacaatcaac	atcaacatca	acaactaccg	accatcttta	60
ccaacttcca	agcattttaag	tttataatcg	acaaactttg	gcattgtaac	gaccgggcaa	120
tcggccttct	acttgacaac	tacaaactca	ctcgattoga	ttctttggtg	tcgccaataa	180
cgatacctct	acacataaac	actatgtcgg	ctcccggcca	gaataatgtc	gacttcgacg	240
ctctcctaga	tcttaccgag	tacgatagct	tccagtctcc	ttctctctca	ccagccggca	300
catcaaaggc	taccttcaca	agccctgtaa	ccgctgccgt	tgctgctccc	attaccacaa	360
ctgcccagag	cttgagcggg	cccagtcaca	actatgacat	gtaccgacaa	cagacaggct	420
tcgtccctgg	agctatcgcc	agcaccatgg	gggttaacca	gaccaacaac	actggttacc	480
aagacttccc	gtagcttggg	ctactctacc	ttcagccctg	aggctgatct	cttcgacttc	540
aacacctctc	ttacaaggna	ccatggggcg	atcagaaatg	ggacatggat	tttgagtcac	600
agaccgagac	acacaagtct	tactgttgac	ccagcagtat	cgagcaggaa	atgatggcct	660
tctttgccgc	agtcttgcca	ctcagaccac	acgtcggcga	ntttggccgg	ngccaatcca	720
ggccgccttg	caaggttagg	ctaacaggac	ngagnaccgg	tcnttaaaga	caganttaag	780
ccgggattaa	ccaagtttgg	gggaggtctc				810

<210> 1874

<211> 336

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(336)

<223> n = A,T,C or G

<400> 1874

ctgaactggt	agtagagttc	aagagggaaa	aaaggacgaa	agacatacgc	atcaacttca	60
tcctttgtag	gataagcacc	cattccgagg	atnccattct	cagactggat	atncacagtc	120
nagtcggcag	gcttgancn	ttttgaagct	cgtcttgcn	tacggtttcg	tcgntcttga	180
ncttcattgc	agcctttggg	ggctccatct	gaccctcctt	tntcaacttg	aggacctcga	240
tattnttctc	ggcggngggc	gggacnattc	natcgacaaa	aatgccgggg	aggttgacat	300
cgttgggggc	gattccccaa	cttcacaatg	ttctcg			336

<210> 1875

<211> 166

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(166)

<223> n = A,T,C or G

<400> 1875

nttnattcct	gcggttttct	ctnaccatan	ctacgaanan	tatccaccca	nnactttaca	60
atnatcaaaa	tggttntact	ggtgattgct	ttnatctcga	tcctaagggn	cttcctatta	120
tgtanntgga	gagaggccta	ccgntgaang	gcggtttttt	gncatc		166

<210> 1876

<211> 599

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(599)

<223> n = A,T,C or G

<400> 1876

gtggatgcgt	tttctgcgtt	gaacgtgtta	cagaaaactg	ggtggctcga	ggaccaagga	60
------------	------------	------------	------------	------------	------------	----

accacacggc	ctctctacag	ggctttgctt	cggaaccggg	atcttattga	cactgcagcc	120
tccaccatag	atactatgca	caaggagggt	cctgtgcctt	tggatgcggt	catgggtaca	180
gtcgaaggcca	tggctaaaac	ccgaacttcg	gaggctgcca	tgccactcct	tgcgaatgca	240
tacctcctta	gcggcagaag	cccccggttc	agtaatattg	gacatctagt	taagcacagc	300
gtcaaaacgg	aaacaaagta	tgagcttgca	aagatgtgct	acgtcgaact	atccaaaacc	360
aagatcccta	ccacgccggc	atcagaaaagc	gaccaggctg	ctgcgccagt	gagcccatat	420
ctgataagac	tacttctgaa	aaagaaaacca	ataccgaaac	tacactccca	agactggttg	480
agctgaaaat	catgcgcact	caacnnatat	acatatgtca	gagtagcact	tgactacatt	540
agctatggta	tncaactcat	gcncatactc	actcaaagtg	tggaaaagcc	gatcaccta	599

<210> 1877

<211> 543

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(543)

<223> n = A,T,C or G

<400> 1877

gagaattaaa	ccctgctcct	tcttctgaat	cagaacaaac	ataagggaca	gcagcaccta	60
ctaaggtacc	tactagacac	ccactccgct	agacacccac	tgtacgatct	acccaatacc	120
attgtaacgg	gcgcaagcct	ccgctatccg	gccggtgacc	gaagtgccag	tgcagtgcac	180
tgcagtgcag	aagcaaacca	ccaagaacgg	aaccaagatc	aaagagaccc	atcgccaggc	240
cagaccagac	ttgcttggcc	agtccccacg	attttcgtca	ccgcaactgg	gtctggggag	300
gtctccggtg	ctccaacgcc	accacgcctc	gaccaggctt	agatcatccc	tggcctgcca	360
ttgtaccgtg	ctgtacacac	ccaaccagaa	ccagatccga	aagccacacc	cacaacncac	420
accaacaagc	accgggttacg	ctacgtntct	tccngtacgc	tagaactacc	cccaacanaa	480
ctgtcccttg	cccaagctta	ncccaagggg	cccccggnat	tcactactct	gcttnatcat	540
ccc						543

<210> 1878

<211> 627

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(627)

<223> n = A,T,C or G

<400> 1878

cgacgtgggt	aaagggtatac	ttcatacgat	attctttcac	agattctttc	cttctctagt	60
tcctcaaaact	cgtgaagttc	tggacctcac	cctcccctat	gtggacgacg	atgagctcga	120
gaccatgata	gagcagcgcg	tcgcggcgtt	tgagcgacag	atagacacac	agcgctcatc	180
cggcggaaca	aacaatgttt	ctgggtggaag	cgcgaccggc	ggcgcgggac	agatggttgt	240
gcagttcttt	gagaagcgcc	ggcgcaaggc	ttggttatct	cgtggggatg	aagaggtttg	300
ctgggaatgt	tggacgatca	aagtaaccgt	cgaacgagcc	cagaacagaa	agcgagcggc	360
caaaggctga	cgcgccatgg	aacaaaccct	tctaacgacg	gagatgaaaa	tggtagcttc	420
gcaaacactc	ataagaccac	atccaccatn	accaccaagg	gacgaacccg	ttccatacaa	480
gattaatctc	gaccagaagg	aacacaggct	gggcaacacg	atgcgaattt	ctgagggaacc	540
cgtgaagctt	gaaccagact	gagaatggct	aaggccttnt	gtatcaaate	acaaggntna	600
ggtggcctan	tcttgtcgat	tgcaatn				627

<210> 1879

<211> 537

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 1879
 ccaggccaga cagggatcag accgaagctc ggctcccgtc ttgcttgatt cattatctcc 60
 tcttggtctg cctttgcttc tactgctcct gcgcctcttg cctgcgtgcg ccgcgcggtt 120
 cttcttcttc tcctcctcct ctaaactctcc tcttttcggc atcttactta ttgttcctat 180
 tccccttact cgcgatcaat tgtgactctc tggccaaccc taccaatgat ggctagtcgc 240
 taaagttggg atcatcattc ctttactcaa cgtttcaatc cacaagctca acgccgatcg 300
 ccgccgccct catagactac ctcaactgtag ccagaatggg ttgctgtctt tctcgttctt 360
 cggggcccaa ctcaccttac ccgggtggcg cacccaatgc ttcactngcg tgctatcaat 420
 cctccccgcg tgctcctccc tgaagccgct aaaccacaaa tccctgccga aaagaatcgt 480
 cagcgtcgtc gcaacgaacg tccctttgga accagcatat ngacaagccc ttggcggg 537

<210> 1880
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 1880
 aacgaccaca gtcttgcatc tcgactatcg cagtcatcat cccaggctcc attttcgacc 60
 atcgggaaat attgtttctg acgtgctaata tctctttcaa ctgggctcag atacaccgcg 120
 accgacaatt cttccgattc gagccagctg atcgtcgacc tcaacccccca agatgtcggt 180
 cagtttcgga aacacaagct cttcgggctc atccaacaac aacacgacgt cgagtgcgcc 240
 ggcacagga aatcttttctg gtgctgctac tgggaagcccc ggctttctcat tcagctccat 300
 cgggtgggtccg ctgncggcaa cagctcgaca cccgctagca acagttcagc aacttggtng 360
 tgggtaacaa agcagcgcaa cagacagaag cccgttgggg gtcttttggt ggcgggagaa 420
 cgcgaccact accacccctt cttcagcgga atcttcggcg gtggcagctc tactactctg 480
 cgacaagcgg cttttggaga ngntttctac tacacctgca gcaccacagt tcttttagcg 540
 gtggatgttg gcggcgccac tgtagtctac tggcctgttc ggangatgtt ggaaccagga 600
 agaacgcaag caacctgcgn tatttttgga g 631

<210> 1881
 <211> 729
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(729)
 <223> n = A,T,C or G

<400> 1881
 ggaatttttt ttttttttta aggtggttga acatatggaa ttatggtatg ttttaagaaat 60
 ttatcatatg tagtcgtagg taggatgctt taagcatcat cccattcgaa atgcacccca 120
 acgccttcca atgctatata caagtaactt gtgcattgtt caaatcggtc ccaatattca 180
 agtaccatg tataaatgct gttatcgaga ancggtaccg tcaggctctg ctgcttcgaa 240
 gttgatcgaa aagatcagaa tgttggttgg atatccttta cagtctaccg tcaaaggcat 300
 actggcagcc aaaggccagc caaggatgac agcgaagcca gggaagaaga agagggcttg 360
 gctgccaaact ctcttgaaca tcttggcgta atcaggagaa gcgggcttct gagttcgggg 420
 aagacgctcg aaggggtgag attccatagc tcggccggca tttcgcacatg cagtcaggag 480
 agaaaactgg cgagtctgaa cagcgcgggc ggcatatcga acaacgatgg aagacatggt 540
 gattgattgg gttgatttgg ttttttggtg gaaagtgtga gttgagttga ttaagtcaaa 600

gacttaataa agtgatagac tcgaagaatt gagtggcgat ttggttggag tggagaagtt	660
gttactgctt tgatgaagct gttgatgggt gatgattgtg atgagaggag aagactactt	720
tggaacgg	729

<210> 1882
 <211> 701
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(701)
 <223> n = A,T,C or G

<400> 1882	
gggcaaacga ctattccgga cctcgtcatc accctcaaag cccccctcgg cacctttggt	60
ttctttgaaa cttcctacgt ttatacgacg acctgcagag cctgtcacag cggaaatgca	120
agaaggaacg gaggggcaat ccacacctat tagtcctgcc acacagcccg agccagaatc	180
gaacctnccg cgccgccccca actacaactc cgaaaacgag gagacctagg cccaagcggt	240
tgaatatgct tccaacacag ccagaaaatt ccgagctgag tacagagcca accccacgac	300
gcggtagccc atcttccttt gctcgacaac gcatgcgcga aattgcagcc aagaatgcac	360
cttttgacga tcccgattct caaagggcag cgtggttgcg agcgctttcc aagggttttc	420
ctggctattt ttaaccacag ttggaatggt ttcaaatttc ggcgacaact catgttgcac	480
ttactggata ggcattggctt ttctgggggt ttgtgtcatg aacaagggtt tagggatggg	540
cttgatccca tggacggcaa ttgtttttca cgactattat taggatttat tgggtgcattg	600
ggtagacatt aatgaaggct gttggctcgg gttatgatat tatatatatg caancagggc	660
gacaatnccg cgtaangagg tagatcncat tagnaattgtt g	701

<210> 1883
 <211> 357
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(357)
 <223> n = A,T,C or G

<400> 1883	
atcactattd ttatcttctg tcacattttt ggacctctac ttttcaggtg ttctctgtct	60
ggacctccag ttctgtgcga aaccgtcgat aaagtaaaga ggacagacta tcgacgattt	120
tggacttttg ctacgattgc cactttaccg ccaaatatcg aattatctaa catcctaata	180
aagaaccgaa gatgaacgcc cctgatcggt tcgagctctt cctctcggag agggtgagaa	240
gaagacgagg agaaggtctt ctntggaaatg tccaacacct ngactttgtt cttatgaagg	300
aagaccacct tttgggaacc tcctatccga gccccttaag aggcacccaa cgccata	357

<210> 1884
 <211> 447
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 1884	
ctttccacca ggcgggcctt cgggttcagt gtcgagggca agttcctcca agatgccacc	60
tggttcccc ttcttntttt ggttacccca gcccacagga tccccagctt ccttaggttc	120
ctcctcgggc tcggcacccc atagcgctga tggtttcttg tccttttttg ttccgaatcc	180

ccaagcatca	tcgtcatntt	tcatcccca	gtcgccgtgtg	ctgcctttcg	gtttgnccca	240
aggattatct	tcggccttcn	attctggcgg	cggcggcgtt	ggtgctgggt	gtggttcatt	300
cttcgatccc	cctccccaac	cccacccacc	accaccgaat	cccaattttg	cgccccagct	360
ggatatgctc	ttgttttctg	gagggctgag	tccganatcc	aatttgcttg	ctccgaggct	420
gatattatng	aaagtcgtan	gaggctt				447

<210> 1885
 <211> 599
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(599)
 <223> n = A,T,C or G

<400> 1885						
cagggtcttt	taatatctaa	gctaccaagc	cacgggacga	gacaatctag	cttggcaatc	60
tgtttttacg	ccttcttcca	actttatcct	catacacaa	caacaccact	cttgcacaaa	120
caatacacac	aaaatctttc	ataatggctc	cttctactac	tgaggatctc	gtccccgagc	180
ccgtcgccgc	caaggagacc	accctccctg	agcgccctgg	taccgcoctc	aacaccgccc	240
agctccaaga	gcttgccctc	accgacaagt	acagcgcccc	cgatgtctac	atcaacgaaa	300
agaccgatac	tctctgggtc	ccttggatcg	gacccattga	gctgaagccc	cttcgcatgg	360
agaacanaac	aggtaccttt	gtcgtcggtc	tgcnatcnaa	agttgctgcc	ancctgggca	420
ggcaccgaca	ccaaagtacg	gttacagcca	caccatgtct	ggtgaagggg	agatcaaaaa	480
atacactggg	ttgccctccc	ggcnattggg	tttggaatac	ctggcgctct	ccacaccttg	540
tctgtcaaga	aaaaacgata	tgtctcntat	tccgencanc	aattcttaca	acaaaaatt	599

<210> 1886
 <211> 327
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(327)
 <223> n = A,T,C or G

<400> 1886						
nggctggaag	cgtaaggctg	tcgactacgg	aaactacgct	tttcgtcgca	tcccctacga	60
ngaattgggt	ctcaagtcgg	tacctcctct	atcttcgaaa	cgctcgtngcg	aggatatcca	120
aaccaganga	aaggtagagt	tatgcttccc	gagctccgtg	ataccaccca	gcaaggctga	180
aggtattctc	caaacccttg	caacggancg	tcagctcttc	acaaaaanaa	gcttgtctgg	240
tgtttgtggg	catncaatta	ctatcccggt	tgcttgatac	catcatccca	accttccctt	300
cttctactcc	tttacanaac	cgggttc				327

<210> 1887
 <211> 1239
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1239)
 <223> n = A,T,C or G

<400> 1887						
cttgcgatcc	tttaattgct	ctctctacta	taccaaacta	ttgcaatact	tcaactcgata	60
ataacttgaa	acaaaggatt	acaagtcaac	accttcttgg	gttaaccctt	tcaacactac	120
cttctactac	actcatacaa	ccacacatca	ccgcagccat	ggacttcgat	tcttgggctc	180

actctttctg	ccttgccctgc	gacaagcaag	tgcaatcgtc	ttctgatgcc	tactgctccg	240
agtcttgacg	actggggccga	cttcgagaag	acatcaacaa	caacttctca	agccaagctc	300
acccggcctc	acttctcctt	cctgccaatg	gtcatcgaaa	tcctctagct	cgggcttcta	360
cctctccccc	gcctacgatt	tctccaacgc	aaagccatac	ggatcaaggc	acatgagcca	420
acccaccttc	aagccctacg	gcactgagtc	gactggcaac	caccgatccc	ttaccccttc	480
cagctcccac	agcagcctgt	gctccatgca	gagcacctca	acaacagggg	gagcaaagcc	540
aactgtttga	caaggcgagg	aaggaaactcc	gagcgtacgc	tgtgtctttc	gacaacgtga	600
ggactcagcg	acgacgatcc	tactaagcac	tcactacta	ctcaacttta	accacgacat	660
cttacatacg	aaataacacc	taaaacatat	taccacgcaa	cttattcaac	acacacaact	720
tattcaacaa	ctcaaaccac	attgcatcaa	cacaacgcct	caaactcaac	ccacacctca	780
acgccttcac	atttccttat	cttgtcgaag	aatctattgt	accaaagaag	ggcattatac	840
cggagcactg	cattaaaaaa	aagtttgttt	taacatggat	ccatgacgat	ttcttttcat	900
catgtcaacc	atcctttttac	ggngggggat	catctggggc	ggttcttttg	tccatcgggg	960
ttcatggata	tgaaccccaa	gcaagaaggg	atatcttgta	ccaaatacag	ggcggattga	1020
tatcacatga	agtttcggag	catggattac	gggagcacgg	gaggttttca	tgataccggg	1080
atacgacggc	tggggacatt	tgggtcaggc	gtacaggacc	gaccaggcaa	naagccggtc	1140
gatggattat	tctattggga	ggtataaact	gagcttttga	ctacggggca	actggggcat	1200
cgacaggaac	tgnggggaan	actgcactca	ctgcncaa			1239

<210> 1888

<211> 583

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 1888

cgaaggttg	cgaggaaatg	gcagctgaag	acagcagacc	tcactaccgg	actatgentc	60
atctatccgg	aatgccagct	ggtctctcct	ctacactgtc	ggactctggg	aggttgcatg	120
cccagggggc	gatgtcttct	cccgggaatac	aacctcatca	ctctgggttg	ccgccaagcc	180
atatgacaag	tcgcccagcaa	cgcctccac	cacacatca	aacttcatat	tctcctaatt	240
tgcaagccgg	tcgaccattc	cccagccctg	gaccccaaaa	cgacaatacc	acacactggg	300
cggaaacact	acgaagacaa	ggcacagggtg	gatctctctt	tggcgtagaa	ggacaacaag	360
ccttttatgac	acttctctgga	aacgaaacac	ctatacccg	tcatatggac	ttttctcatg	420
cgtctaaaaa	ggcagacgaa	aagagacacg	aaatgccgtg	gcttcaacga	gacatcgaag	480
gaaaaagaag	attatgcagg	aggaaaactc	aaaacaattg	caagaactcn	ggatganaga	540
cggatgatgg	aaatcaggat	tgaagaattg	accagcagcg	ana		583

<210> 1889

<211> 590

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 1889

cctttttctc	ctccctacga	catcgcgtgt	atttccttgg	taagcggatc	cgggaggcag	60
cccgatcacc	gccagacgat	agcccatcat	gtccggacga	tacgaaagag	tcaacgcccc	120
agacgaggaa	gacttcagca	ataacaataa	caacaaccgg	atgtccacag	tcccccccca	180
ctcgccacca	ccctcgtttc	actctcgagc	cccctctccc	cagcgccagg	tcgacaacac	240
tctcgccgat	gcctttgacg	atgacgacga	cagtgcgat	gacgttgacg	accgacagcg	300
tttgatgcga	caaaactcga	cgccatcatt	cgagacggcc	aatgcgacgc	aaactcccca	360
accggctgtt	ccggcaccag	cgccatctgg	ctcaagatca	acaagaattg	taggaggagg	420
ctcaggatcg	gatgggtgtt	ttgccaaact	gtctgcgcgt	ccagagcgan	gcaacgctga	480

ttccgagaag gatgaactac caccgtctta cgaacaagct gcggccgatg ctgctcctcc	540
atactgggga aacaacaatc ctcgctcctg gcatgggtgg gcccgacaaa	590

<210> 1890
 <211> 482
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 1890	
ctcgcatatc acaaattgtc tagttgcggt tatacagcgc gctgctaact tatataccca	60
tctactcact gaataagatg ctgatctcaa ttgactcgat tacatgagtc tgcactaatt	120
atcgatcaca aagctcaaat tggtctgttt tggtgtcata ctcgagcagg ctccacctat	180
gattgaagtt gaaggctgct gcttgaaggt tggttgcaat ttatggaagg agtcttctgc	240
gtcgatgcac ccacctgtag agatgattca cttacacaaac tccgactga tctaaactcc	300
ccatcatcaa tcatccatca cataatgaan aatatccttg nnctatgtat cctaaaaact	360
acctcctnaa tctntatccc aacgctctga tgggtganag aaccggtgcn nactccccnn	420
actcctgggg tcattngaac accgcttcac acaganccga ntgccttgan ggtgcctttc	480
ca	482

<210> 1891
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 1891	
tcgagcccag cctcggcacg tgtgcattgg tgcgtgatga agtgggttcga agattgacag	60
ggtctcaaca accgcagcct cctctgccac cgcctcctcc catgatgacc cacgacctc	120
ctgcaatccc tccacctcag ccagatcaac caatatacgc cgatgacgac cctgaagttg	180
ttctgcagaa tgccttgctg cagcttcagc aggaagagca ggccgccgag gagcaggctg	240
cggtctgtgc tgaggaacgt gagcgtgcgg aacgagtcgg gctccaacaa aacagtatca	300
tgaccacacc tactgcgcgt gcctcttctg ttcagcgctt cacagctacg ccggcccatg	360
acttgggtgc tgatctcaca ctcactccga tcgcacgga gacgcctgtc gtcgagatga	420
acggccttga gatgccctt tggtgcaatc agcgcatgct acgcaccatt aaggaagctg	480
cgagcatatg tctactatgt gtgngtgatt aatgatcgtt tgggcatacg ggcgttttag	540
ctttgcaaat ctggcttcca taggagttga attcggtaga cgatatgatt ccggcacaaca	600
tgtttttnt cncaaccnca att	623

<210> 1892
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 1892	
ccgcactata acaatggcgg acgangccgt ggtggacgtg gacgtggata tcgtggccgc	60
ggtggccaag gcacaggcgg tcgangtcgc ggcccgcgcc gcgatgtcca atcctaatat	120

cacatatact	catgcatggc	gtaggtggg	cgagaagggg	ggtttacgga	tgaacttttt	180
tcgacatgat	tttttttgta	ccgggacatc	atttcagttt	tggattgtac	attattcgca	240
tattttccgc	gaatggagag	aacggcgaaa	cggacttcat	tgcccatgga	tcacaaccac	300
ttcgagactt	ttaccatgga	tcctcacgca	aggactcaga	aaaacggcac	agacctgcat	360
ggttcacatg	ttcttggaat	gatagcctta	gtggcttcct	tggtcgcagc	ctgtcattct	420
gtaccatccc	catcagcttt	gatattctgt	ttggtttggt	tcatgatatc	tacggatgat	480
gaatgaganc	aagaaatgga	acttccaagg	gaaaagggtg	tctttangca	tcaaccacgg	540
tagacatacc	cgctttgggg	ctggcacagc	caactgggtgc	gggaagaa		588

<210> 1893

<211> 850

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(850)

<223> n = A,T,C or G

<400> 1893

cactatcggt	gtttttgaag	catctacatt	cgatcttttc	accttcgttt	tcacgtocaa	60
cccatacat	tcttttttat	tactcaacta	ctaccgctcg	ttaataatat	aaaaccttca	120
aaatggttcg	atctcttgct	cttttcgctg	gcgccattgc	cactgtcgcc	gccgcccaga	180
caaccaccgt	caacttcttc	ctccccggat	tcgatgatca	acctctcggtg	ggatctgtcg	240
tcgctgtcaa	gggtgaggcg	accagtgtcg	ccatcaactg	tcgtgaggga	accgacccca	300
gcgactgcgg	catccaggaa	gagcgcacta	ttgttggtgg	tccctccacc	atggacatca	360
gctactccta	cagccctccc	gaggagtacg	gcggtggtct	cattgatcaa	agaactggct	420
gcaaactgga	ccccagaat	gatgtggcct	tttgctctgt	tgaagcaaca	aacgtcattt	480
ctgggtgttac	cgagtctatg	gccacctcaa	ccgctctcag	cggatacaag	caactcatca	540
tgcccatcac	catcactgct	ggcgccgaaa	anttgaacgg	tggtgacctt	ctgccactgc	600
ctctgcctct	gactccgagg	ccactactgc	gacaagccca	aggatactgg	cgctcagcta	660
ctggtttctg	ccactacttn	tggagctgac	gctgatgccca	ctccctntgc	cgttgagtct	720
gacaacctgc	cggcccccag	atgacccaaa	acctattctg	gctgccgctg	ccatttgcgt	780
gggngctgn	tgccatnttt	ntttaaangt	ctccnccaaa	aggaaatgaa	tatttggttaa	840
cccnttaacc						850

<210> 1894

<211> 898

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(898)

<223> n = A,T,C or G

<400> 1894

tttttttttt	ttttttatga	ttaattaagt	tattgtcata	ttgattttcg	actcgcgtcc	60
tatacgetta	agtcggacct	tatccaaaag	gccatgatcc	ccgtcatcta	cacatactcc	120
tcattcagat	ctattaaaaa	gttgactctc	aagggttctc	aaaaggataa	catatacatc	180
ctagcgtcag	aaagaatgag	gcaacccgct	atgtaaacac	caaacgcccc	tcgtcatgct	240
ttgcgtctct	aacctgtact	tgcaacaccg	ataattttcc	ccatgattgc	tcccgttcaa	300
atgctgcgcc	tctccagggtg	gatgccgatt	aggtaagtgt	atatattcat	ttcgatcttg	360
cggggcttcg	taattttggtt	tcaaaccaag	tttctatagc	cnaaaagcgg	ctatgtccgg	420
cttaatgcag	cttggttggtc	agcctgagcc	gcctntgggtg	gcaatctgct	tctccttagg	480
gatagtaagg	gcgttgatgc	cgaggtagtt	gcagatgctg	gtaacaacga	gccaggccca	540
gcggaaatac	acaaccatgg	aaaacataag	ggaggccccc	aggtagaaaa	gctcgaactg	600
ggcgctgagc	tgaggggagtc	cgattcgggg	caagttggca	aggatagcac	caccaacgag	660
agggtagacg	atgaccgggc	caccagggga	aaggctgggtg	tgtcaagtgg	gcgagaataa	720
tcttggttgt	caagcgacca	aagacaaatg	acatgataaa	gcagaaaagc	atgagggtggt	780

tctcggatcg aatgggtgctg tagggggaga agacccaagc agcgattgag anngtgtaca	840
cacccatggg aatccactcg atgaagacag ggagaatggg ctctccccga gaccncg	898

<210> 1895
 <211> 512
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 1895	
acaacttcca tttatctatt tacttgtcat ctcaattctt ttctatagaa cttgcctttc	60
tttctttctt ttcccatca tggacagtcc ccgcccata gaagtcgacg ttgtcgggtg	120
tgaagataac atctccatcg tcagcttcga cgacatccat tccagggcca ggtcgaattc	180
cagatctatg cctccgcctc cgatggcgcc atttcaaggg tattatcctc ccgcagccag	240
atctccctgg gacaaccccg aaacccttta cccaagacaa gagatactta aggtcaatgg	300
caaggtcccg gacgtccttc acgccatcga gtattttgat tcgcgtgaca gattataaag	360
cgtcgacaaa gcgctcgggc tttcaaaaat gtaccccat tctctgcagt catgaagaag	420
gtgaagtcga tggcgagact ccaatgacaa ggacgcctgt ttgggaatct tacagagnct	480
atccgctaga acacagacct caaccggccc ct	512

<210> 1896
 <211> 666
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(666)
 <223> n = A,T,C or G

<400> 1896	
ctctatttaa gcaaacacat ccaatatgaa gctgcagact atcaccactc ttgccctttc	60
gggtcttgct gctgctcaga gccgtcccaa ccttactgcg gctattgaat ctgagaactc	120
tactctctcc tcgcttggtg ctcttgctgc cgctcagcca agccttcttc gagaccttgg	180
ccgtcttcga aatgttacta tcttggtccc aagcaacgat gccctcgagg agctcctcaa	240
ggataaccacc gtcgctcgca tggtcgatga caaccccagc tttgtcgcca accttctgtc	300
gtaccatata ctaaaccggca cctactatgc cagcaacatc accgacatgg acgcacctgc	360
cttcgttctt acccacctga ctaactcgac atatgccaat gtcactggcg gacagcgcg	420
cgaggtcatg gccatgaacg atactgtcag cttctacagt ggattccgtg ctcagtccaa	480
tgtcaccaag gctgacctca acttcaactgg aaggtgtcat tcatatcatc aaccgtgttc	540
tcagcatccc caaaacatc tctgatactg cgtngctgcc aacctttncg ccgctgctgg	600
cgccctcana aaaaccaatg gtgngaccaa ctnaacaacn aaanaaacgt tcttggtttt	660
gtncct	666

<210> 1897
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 1897	
ctctctgatg ctaccgttct tttccgtgac atggctgggt atgccgtac caacgccgct	60

gccccgtgttc	gaccctctca	ggagcagctc	cagcagctcg	atgagcctgc	tcaagataac	120
gtctggcacg	agggccctga	tttctccaaa	gagaacttca	agcatcaggc	caagggcatc	180
tatagcggaa	accccaagca	ggatgctaag	gacatcgctg	ccgctgggtg	caactctgcc	240
gccccaggac	agcagggtaa	cctccagccc	aaccagagtg	cccaacctca	ggccaccacc	300
ggctcgagac	tggcaacatt	ccctccactg	atgctgctcg	tgacgccgct	cgccaaaaccg	360
acccccaggc	tggcaagagt	gccgncaagc	angtcgncca	gcaaaaagtc	gacaacaaga	420
tcngaccctg	agactaagga	gaacatnctc	cagcgcaacg	aggagtaccc	ggcgnaaggc	480
tcacgactac	tttnacaaga	anatgcctta	agagcgcaag	gaccagacta	tctggcgctt	540
naagaagatg	attcttgagt	gccaacaagc	acgaggacta	ctt		583

<210> 1898

<211> 120

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(120)

<223> n = A,T,C or G

<400> 1898

nganactgat	actactaggt	gttctttact	taacngagga	angcacaanc	attgntcttt	60
gtcncgctnt	attcaagaac	acantttctat	acttgagcgc	tnngaggagct	gtncatggaa	120

<210> 1899

<211> 626

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(626)

<223> n = A,T,C or G

<400> 1899

cttcctccca	aattcgcagg	gcaaaaagctc	caattcgcgc	atcctcccgc	ctcaaaactca	60
ggcgtcgccc	acacaactca	caccctcgag	ttctacctcg	actactgctg	tcccttctcc	120
gccaagatct	tccgcaccct	ccgctccgac	gtgatccccg	ccgttaaagc	ccatgagcac	180
tgggcatcga	gcctcacatt	tatcttccgc	cagcaggtcc	aaccatggca	cccttcgtca	240
acgctcatgc	acgaggcggg	cctggcagtt	ctgcgtctcg	cacccgagcg	cttttgggac	300
tttagcgcag	ctttattcga	ggagcaaaaag	gacttttttg	atgtgtctgt	cgtgaacgag	360
acacgcaatg	atacttatcg	ncgtctgggc	caagattgcc	gnaaaagacn	ggcgttggtg	420
aaacaaggng	tccaactggt	tgggattccc	gcaangctgg	tgatgatgga	ccgttgatgc	480
ngggaataag	gttccaacga	cctaaggtn	taccagatga	accgctgatg	gcgnnatatt	540
acccacnntg	ggttgacggg	tggttnagang	taacttggtg	gaacaaaacc	atgggtgagg	600
gttgnaanaa	tttgctgctc	cattgg				626

<210> 1900

<211> 650

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(650)

<223> n = A,T,C or G

<400> 1900

ccgataagaa	gtctttcatg	cttttgcata	tgctaataaa	gcctgctcat	ataattgacg	60
gagactcaat	tgctcaccga	aagaatcact	ctacgcgcgg	gcacgtgatg	tcgtgtctgg	120

caaagccgcg	attagcccca	ccaaattgaa	ttccagcttg	cccctcgtga	atcgaacaag	180
agaagacgac	tctttgtctt	gacgtctttc	ccaaaccgta	cacctccaaa	gatcgacaag	240
atgactgatc	tcgatgacgc	acacatttct	gtgcgcttca	agcatggcat	ccataccatc	300
tacctcttta	tcgacgcctt	cgcacccttc	ttcaacgtca	ccgncgaact	taccagcgtc	360
ataagtgagc	gataccccc	gggtcttacc	acgttcatct	naccttccaa	gaacactcat	420
gtcgacgaga	actcgattat	tgtgtacggn	gcattgaaga	ttccgaatga	tctctcgtcg	480
ggatgggtga	aagctcaaga	cgggggacng	agagagcacg	cctacaaaaa	tgggattgga	540
gaataatagc	ttgcttgggt	tgctgtggcg	aacatgagaa	ngacgatncc	cagtttgagg	600
nggagtgggc	cgcaagangg	ccaaagagga	ttatgaggga	tgngaggggg		650

<210> 1901
 <211> 650
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

<400> 1901						
gccgaggaga	cggcaaccca	acacgaacgc	gcacttcgtc	gaatgaagca	ccagcttgac	60
aaggcagaac	gcgaacgtaa	caccctggca	acgtacaac	ccaacatcag	caagcatgac	120
cggcagctga	gaaagaacca	ggccgagatg	gagaaccttg	agcacgatgt	tctacagcaa	180
caagaaatta	ttgacaacct	tgccgcctct	gaagcttctc	tccgacgcaa	gctagagcga	240
gctcgcaatg	agcgggcagc	gttccgcatg	agcgccgaga	agttgcaaaa	ggatcttgag	300
catgtcaagg	ctgcagcagt	cgccgctaga	gccgggactc	cagatcgacg	aagcgagta	360
gatcgcaagg	ctcttgattt	aactattgaa	ggagctgac	aggctctttg	agactgtcat	420
tcgcgagct	gaaagcgccg	accagcgta	caggaaggag	ttgcggggca	tgtttgatgc	480
anatggagtg	gatgcangct	cgaatcaagc	gccgaagcct	ttnttngag	ctgatgnccn	540
atattgcaaa	agaagttcct	acagnttgaa	gctttgccgt	cgccaatgca	tgcaacaagg	600
gtcaacttcc	gngngctcga	gggatatttg	canaaaaacct	tccttgggat		650

<210> 1902
 <211> 596
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 1902						
ggcatatctg	gcttcgaaat	atctagtcgc	ggacccaaaa	ccagccaaga	aacgaaaacg	60
caagcgtggc	gccgaagcca	acaacggcct	tcttataaca	gacgatgacg	actcgggttg	120
gggcaacacc	aatgcgcaag	acgacgatga	agatcttgat	ggtccgggta	cagtatcagg	180
gcaatcttca	gagtttcgaa	aaactaagaa	gagtaactgg	aaatcattag	ggggcgacgc	240
gactcccaag	gatgattctg	ctgctgctgc	agacgcgatt	ctagcatcgg	cggcagcaga	300
gcagaatgca	gcacgcgatg	aagacgaaga	catgccaatg	gtggaagatg	atggttcggc	360
tgtcaaaatg	agcgatggaa	cacatgcagg	attgcaaagc	gcagcgaccg	tatcagcgca	420
gtcgaagcga	cggcagaaaag	aggaacgtga	ggagtttgaa	aggcccgcga	atcaccaagg	480
aagaagaaac	agtatcccgg	gatgcactgg	ccgaagaatc	gacatatcta	tgaagcgccc	540
gaacgcgacg	tgcacttgcc	gatgccgaaa	anaaagaaca	cttggccaag	aaagct	596

<210> 1903
 <211> 582
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

<400> 1903
 ccgcaagagc gctgccttta cggtagataa tgctactttt ctaaactcga catcctccgc 60
 cgctgctcgt ttcccatctc tcgactcatt cgaaacggna tctnctccac cacctccgac 120
 tagcttccng caagcggatg cctcagcaat tgaccacnac tccnaggten ccnagaaagt 180
 tcgggttctt tccccctccgc cgctctcccc cgaccctccc gaatgggcat atacatcgcc 240
 tacccttgcg cagtatgctg cgaaccagca gagcgaaaac gatccttttg atgcaacatc 300
 cacagatgac agtgatctcg agacggtggc ggctgctgct cgtanacagg ccctgactgg 360
 cgggtcaagg gcgggaaatc ctttcagcaa gacaacgcga gacctcgatt cgcccattgn 420
 cgaacagaaa cttgagcaag ancgcaagga agaaagaaat gcaactcaagg ttgccaataa 480
 agctaaacac tccttgagcg tcaactctttt aagcggctac tcatgacggg caattcggaa 540
 tcggacaagc tttgggactg gccgaaaaag acaagaaana tc 582

<210> 1904
 <211> 452
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

<400> 1904
 actaccgaag cggccactgg accctcgctg ctaccactac catgagctgc atcctcagca 60
 tcttcatgac cttttacctc cgccgagaga acgcccgcg cgaccagact cacaaggctc 120
 ctcacgagta caccgcgctn gagaaggagt tggagcaaaa ctctgggtgac aacgctacct 180
 ttttccgata taccgtctaa agcacagggc ttgtatcgga ggcgacatct tgcanaacat 240
 cttacaagat aatcgtaacta tttatatata ttaagcgttt tttttggata tcacagcgaa 300
 ntgggttatg aaatcacgaa agagcctaga gtatgaaaag gcttttnatt tngggaaaat 360
 atgttctcta gagtttgttt ggtcgggtta tgaaacttan acgttttgac atctcaatat 420
 tataaatgag ccattcatgg ctagagctct tg 452

<210> 1905
 <211> 604
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

<400> 1905
 cctacaacgt caccaacaca aatacccgca aactcccaaa gactttgcat ctcgcaaacc 60
 gtcgcaagac atattcatcc ctcatacca aatcagtact ctagatacct atacagcgag 120
 gcgctattct agccagcggg cgctgaacac atcctcaacc cttttacaaa acccatttcc 180
 caaggtaacc ccagtacctc cgagtttatg tccatcgaaa atctcaagac ctacggtaag 240
 cctctttgct gttcccatga ggaatactct cttctcccta ccaggaccgc ctttttgctt 300
 gcgcagctcc cttcgaccgg acccctggac tgaactacga cgtcttgtct tatcgctgt 360
 acctactaca tttgctgggtg ttaagccaca tgtcaattct ccaactcgacc gccatgtcat 420
 caatactatc aataaatctg aagaacatga taactaactg cctcgctcaa tanaccctt 480
 cgccgaaccg acgaggacac cgganaaacc aagcagacgc agaattacat tcatatacgc 540
 attcancagc gtaatggacg taagactttg ccactgntca nggtctnccc aanaagtttg 600
 acca 604

<210> 1906
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 1906
 ggtagtagaca atggctattg ttgaatcgcc aggatgaatc cgacgacaaa tctccttgtg 60
 acccggtcca cggccttccg aggcgtcccc acgacactac ggccgtttct cgttccgga 120
 tactatgcga cccagcaagg tttaggagct acagcccagg gacctaaacg acgagcagta 180
 acgcctttca atgataacgg acatgtacca tggaaacaac tctcagtggc ggaaaaggct 240
 gccgagcgac gcaacagagc ttcaattttg gcatgatcct tgttggtctt gttctcactg 300
 gtggtgtggg ataactttctc tggaccgatg tcttctcccc cgatagcaag atctccaact 360
 tcaaccgagc agtcgacaag atcagaacga tcctcgtatc atcgatgccca tgggcgattc 420
 caagaaaatt acagcacatg gagacgagac attcaacaag tggaggaggc cgagacctgt 480
 tgtttcttng naacaacaga tgccgcggag accacatata atggatgcat ttntatgttg 540
 atgggaccca agaataacgg nattgcacga ctttacctgg tcaagtccgg gggcacagcg 600
 actttgagtn taagtttttg ttggttnn 627

<210> 1907
 <211> 613
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 1907
 aaaggcaatg cttcacgcgc attcgttctt gactgcccgc taactcctta tccacatcgc 60
 acaagcccga gacaatcagc aacaaatcta ctttgtcttt ttcgacgact ccctaccaga 120
 gacttttttt taaatctgag acggtcgctg ttttctctct tattggattt tgtctttctt 180
 tcgagccgaa cccttctggg tacacttcat ccatctacac ggcccgtaa ccagaccata 240
 acttcataat cgcctgccgt ttaattgaat cgacaacttc tcaatatgca gcttcgaaag 300
 ttcttacttc tgggcatgct cgtcggagcc gaggccacaa agctgggtgc tcgtcagaac 360
 actgactccg actcggctgc cgtgccctca accgattccg ctcttgcgaa cactgctgaa 420
 ggcgaccttc accaactgac gataccgcca ctacggntgc tgacctacca ccgccgccga 480
 gcctaccgac gangcaacca ctggccgctg atccacaacc gaagaaacca ccgatgccac 540
 taccacagct gggggangtt acgttaccaa ganagttact gttaccgatg ctgatgccaa 600
 aactgtgacc gca 613

<210> 1908
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 1908
 cgtcaacacc cgtagaccgc ctccactctc ggcttcagtc catcgatcaa taacaaacac 60
 tcccaccccc cttcgatcac cattcccttg acatctctcc tccttcattc ttccatcttt 120
 atccatacct ataacttaca tcaccgttgt cctcgctaga tccatatagt agacccttgg 180

agatctctct	gatccctttc	aacaccgagt	ttacaaactg	ctagcaacgt	cccgggtgacc	240
gttctaccaa	aagtctacag	tccatccgtc	catcatctgt	atagatagac	tagacttctt	300
ctcttccaag	cttaatctcc	atcttggttc	aacacaacat	tctcgccatg	ccttacaata	360
cgcgcgcaa	gtcgctatct	ttaccagtc	tgcgcataca	cgtcccaatg	anacatgctg	420
ctcgcgctgc	tgccgcgcc	tccaanaacg	cttcaagatc	gtcctcgctg	tcattatcca	480
gtgctgnctc	atccgccttg	tctcacctca	tcaggtctga	ggccccgagg	gcattccaccn	540
aacaacaaaa	cgatccatac	gaaganagnc	tattgagaga	nacactcctt	cgc	593

<210> 1909

<211> 546

<212> DNA

<213> *Fusarium venenatum*

<400> 1909

cttcctgaac	gaattagatg	cttggtccccg	gatcaactcc	atgagagaca	tagtcaccct	60
acaaaagtgc	ccgtgacaag	acttgatggg	cttcctctcg	atgacaacgc	tccacgaaat	120
gctgtactgc	caatctgggt	aggccagaag	agtgaacatg	tcgctctggc	ggatgcaaag	180
attctcctcg	gcgactttgg	cgaatcggtc	ctccccagcc	aagagaagcg	acagtactcc	240
aacgcaccca	tccgctacag	agctcctgaa	actcaattcc	cggatatctg	cccatcccta	300
tccttcagtt	ccgacatctg	gagtctaggc	tgtctcctct	ggaacgtcgt	tggccagcgt	360
cccctcttcg	acgcctggac	tctctccgaa	gatgacatcc	tgcaggacca	aaccgacctt	420
cttggcgaaa	tcccagaaga	gtggtccgca	tacagctcca	agcgctcaga	gtactggatc	480
gaagactctc	ggcggaagat	ccgaaacacc	aaccaaatcc	aatggttgca	catgggaatc	540
ccgctt						546

<210> 1910

<211> 228

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(228)

<223> n = A,T,C or G

<400> 1910

agctgtttggc	ttgactagct	ctatgcctgt	tcttcttgag	gatgagatta	agcgtgtttgg	60
tggaaagtat	gtcaaggctg	atgactgggc	tgagaagttg	gttgttgatg	gacaggtcat	120
tactgggtcag	aaccctgctt	ctgctcacgc	tggtggcaag	gccattctca	aggccatcgg	180
tgcttaaata	atgaatagtc	atgaataata	ataagtaatc	tgccaaan		228

<210> 1911

<211> 497

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(497)

<223> n = A,T,C or G

<400> 1911

cagcccccca	agcagcccaa	gacgcaagcc	aagggttaaca	cactggattt	ttatcatcca	60
gaactgaccg	acaactgcaa	gttccgaaat	gctagttact	tcactactaa	gttgtccgca	120
gggtgctacc	ttgactatag	caacgcgacc	ccttcgtcac	aaaccttgaa	caaacagcca	180
ggctatcccc	agcagcaagc	tgccaccctt	gcacaaccca	acttcggggg	ttacacgaac	240
gggcaangca	tgccgcaacg	cacggtgtct	cctgtgggtca	atagacaggc	ctacagcgca	300
tcgccgaata	atatgcagca	acagcagccc	ccgcgatatg	gcacgccaaa	tcaagcggcg	360
ggaaatcaaa	tgaataggat	accacaccgt	tattcctgaa	gcacaacagc	aacgaatcct	420
cgatcaagcg	aaagccccgg	ttgctgcccc	ngaacgggtcc	gccatgttca	ccgacaagat	480

<210> 1912
 <211> 631
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 1912
 gggcactatc tcattggatg atagcaaggg tttcgaagag tgttggactt ggaccgaaca 60
 acttgacgag ccacctagcg ctgatatctc cacgagcatg cgcaatgaaa aggcccagat 120
 ttcaaactcg ccgtcgaga cattctatcc ggctctctca aggatgaaat cttcgagccc 180
 gtctctagtg cgagcccagt cgccccggct tggtagccgg cgagggtccc atccacctca 240
 catccgaact tcctcaacgc ccatggntgc tccgatacaa gcttcgcctg cgcttaacag 300
 acgccgtggt tcgtcctacg tacaaagtcg tcgtcaatct cctgcattgc ttgtcaactc 360
 ccaatcggca atcatgaagc gtcgtcgtac aagggtcccc agccatcgct ttacaccaag 420
 atggactgca tcgcccagcc ctatgcccac gggcctcggc gatcgcaaca agcacgcgga 480
 actacaccct tcgcatatgc cacaccgttc aataacgctc ctcttcaaaa acggcctntg 540
 cgttttggga agtgtggccc cccgctgctc aanaaaattc gatgatgact cggatttcaa 600
 catcgatttt ttaccaagag nggttctgac g 631

<210> 1913
 <211> 1240
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1240)
 <223> n = A,T,C or G

<400> 1913
 caacttggtc ctcatatctc tcctggatca tcaaattctc tgcattctca cttttcgtca 60
 ttccaaacca ttccggaact tttctcttac acctatctac tagatcgact tgccaaccag 120
 ttaaatactg tccactatcc gccccctcct gacaatcatt cgacgaattg gcgctataac 180
 attgtctttc tatcgataga agtcctgcgt caagaagtgt ctcgttgaca atctctcact 240
 tcaagggcaa accaccggct tgaccaaact tgaagcacca acacatcgct tcacgcaccc 300
 catacatatc ctcaattacc aactctctca atcgctcgcg gtaacactg caccctttcc 360
 atccagcaaa aatgaccgga tctcacaagg ccaacgacgg tgaccacaag ggcattggcg 420
 aggggactat gctccccacg gaaactgtcc ctcgcttctt tggtaagaac ggntttgccc 480
 atgtcgaccc caagaagggtg aaaaaggacg gctctggctg aggcaactgg ggaactgtca 540
 acgatgacat cgctggcgag cagttcacct tcaccaatac ccgcccgcgn tccaacagta 600
 gcagcttttc tcatgttact gatttcaaga caaagtttga ggtcaacgag cccgagcccg 660
 tgttcgagga gtcgctccat ggccccgagg aggaagacca tgaagacctc accaagaccg 720
 actcttccga gagcgggtcga tcttcgtctt gatcgatata ttccatttca ctaagggatc 780
 ggcagttact gcttggttact ctgtataatg acagcagcac attaggtgga tgacatgttc 840
 tgaaattgag aagggcgttt gatctttcat ttaccactac naaacgaaga tgcgatgaaa 900
 tgaatggaaa ccggaataca acgcatatc ggcgacaact acggatcaaa cagtttggag 960
 gatattggcag cgattatgga tgggggataa aggtctctat aacttatcga tctctacgca 1020
 gatcatggct tttacgacct gctgcgaagt tatcttctaa gcggaacgat gtatcacttg 1080
 tatcaatatc ttaattagct ttaccatcaa agcgggcaat gcagctaggc acagctgacg 1140
 aacatcagac aaagacgctc catgaataag gttacgtgaa gacgaacttg atttcatatg 1200
 atatcctctt catgaatggt ctatccatct cttattttct 1240

<210> 1914
 <211> 626

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

```

<400> 1914
cagcattaca attgcgccga gcacttatct catcactgnt gttctcctac ttgtctttgc      60
aatcatctac ctacctcgtc ttatcgccctg ccgattcccc agcctcggca taccattgcc      120
atctntggcg tcaatattaa ggccaatatt tggagatcca gcagatcatc gcccaccagc      180
cagatttgaa aagccccctcc caccaccacc cttcgcagca tctgcgcttg tattcgagga      240
tcagcaacaa ttggtcgtct ccggacagga tatcgtcctt gcgcaacgtc gtcattacct      300
tcaacagcaa ttggcgcaag agcaaacacct actgcttgaa cagcagaagc aacttcaatt      360
ccaagaaata gagcgccgtg ttcgtcgaga ctctcgccat acctcatcac cttcaaaaca      420
tagccgtgat catggatcct acgacatgct ggacgcgtcc ctacaggact tcgatctccc      480
accaagtcca tcggtgcccc cactaaccac accggagcga agcagcaatg acagaagggg      540
atctcgagga cttcgganac cgcgtccngg ggngggtgct cccctcccc tgganaaaac      600
tcggaacggg aaccggagta gtggct

```

<210> 1915
<211> 520
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

```

<400> 1915
cgaagaggcg ttgacaactc ttcattcagat gaggtcgctg ccagcccacc ttcttccgaa      60
acacgcggtg gaatcccttcg accaccacct gctaggcctc gacnaaccgg ctcaactttcc      120
agtaactcgg ctcttggtag ctctgtacca caatctccat ctagtgctgg ggggttctca      180
tcaccacagg gcgttgctag tcaacaatcg gaacagttgc ccttctttaa ggactattat      240
tctcaggatg atattcatcc cggtgacaaa atcgccgctc tttgggcata ccaaccccga      300
gcagccgatg aattctcttt ggancgtggt gatatgctta aggttgtagg catctgggat      360
gatggttggg cgacangtgt tatgctcaat gancgggcag atgaatggga agctcgacna      420
caagctcaac gcgatagtgg cgtctcgaac catcnggtcg cgtgacagct caccggcggc      480
ggaaggcaaa tcaagcatcc ctcttgctctg cgtttgccga

```

<210> 1916
<211> 336
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

```

<400> 1916
cagcaacggg aattgggtatt gctgggtattt cgggatactt catggttggtg ggatcaatgg      60
gaatgattgc caagctgagt aacaaggacc agatgaagcg tgtgacatgg gcaccaggta      120
caccgctacg gaccggttg atgananaag aggagcgagc ggcaatggac aaaattgcat      180
gtgcctgggg attcaaggaa ccttgagggc acggagagga gtctgggcct gaggggagg      240
gtctcaagga gtacatggga taccgccaga tgattcttga tcgtgttgaa ttcattggagg      300
gcatgagcta atcctacatt gccccttng gggggc

```

<210> 1917
 <211> 266
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 1917	
tgatatacaca atcgactgc gggatcccaa taccctagcc ccattactgc cgttggttga	60
gcatngagcg gaagctgtaa agctgggtgc atgaaagaag gctatagtag acaacgtata	120
agcttgagtg agacgggagt tttaggaggt cggtacattt ttatcatacg ggttcctttaa	180
cacaataaag nggttacgga actngtgaaa ccaanaaact tagttatctg atatcaaaaa	240
acgctgctaa gcagtttggt aacttg	266

<210> 1918
 <211> 795
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(795)
 <223> n = A,T,C or G

<400> 1918	
tgcttaccaa cattctagtgc ctccgcccgc tcaaggannc tattacgcac ctgtccagtc	60
accaacggga gtctttctcg tcttacggag atgcgagaac ggacgacggc ngccagcttg	120
caggacggcg gcgtcgtagg acttcagagg agcaagatga cgccctacaga ttacctccgc	180
cacgaagcgc tgtagacgaa gaccacgac gaagatcccc agccgagttt tccaaccaca	240
gtagcccagg tgggtgttga tatccgccat accaagggtgc gagacaaagc ccgcggaacc	300
cgacgagcgg cactctgcct caggctgcag cgactggtag ctatgcaact tctgcacctg	360
gagggcggtc accgacaggt cagaatgggt caagtgggtgc gtccaccccc gcccgacagg	420
gacagcaatc ccaaggagga aatgcatcga ttatgagttc gagcaacttg gtagaaaaaa	480
acgacattga taagaccatg atcgacaggc ttaacccgac ctgcaccagg tcagccaagt	540
ggtcgacaag acgccagccg ttgacgggcg aatggagtta caattgaccc ttgccggaca	600
ggtcaacggg aagaagtcga aacgaccac gacaatactt gctgacaagt tgatgacgat	660
tggttgcttt taatacctta tncaattcga tcnttccgcc tacantttcg gttgacccgg	720
gatgagacag gagtgtgatc gcgaagaaga aaaaaaaaaac aaaaaagcgg nggggcaggg	780
cgacaacaat acaag	795

<210> 1919
 <211> 613
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 1919	
ntattcgcct nagcaagaca gtntcttacg tcaactcaag ctttagangg gtctgcgatt	60
togtctcgat caactttttg ccttgcatcc tcttcgccaa cgttccactc accccctcca	120
tctttngtgg tactactgtc tgncaacacc acccttccta cctctagcac atgagccgca	180
caatcgccca acgacgggtc gnggccatca accctccctt tgtaccagtt tgaagccatt	240
gggccagcct gcatacgatc cgtgggtccc cattcgagcc acgactgtag acgtggnccg	300
cctgtcctca ttcgatctct ctccacatcg cttntctccc cacgcgactt ctttcatctc	360

gctcgtctctn	tggctctttna	gtttctccct	cggcctcatt	cccagctcga	gcccnagagag	420
ctgntgctac	ttgcattgna	ggacacatac	ggctccagcg	aaacaggtgc	ttgctctcct	480
tncccgagct	ggtgttcgac	aggcaaccaa	aacattttnc	aaccnngng	tcgttatntn	540
ttaccgccc	gtcttnaatc	gactttgaca	cnggtcngnc	ctttaagtca	caaaaaatac	600
tnatattctg	gna					613

<210> 1920
 <211> 594
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 1920						
gagatgatga	cgcaggctat	gcgaatgcag	cgacaattga	atggagaagc	gcctggagca	60
ttccctgccc	ctggcgctac	cgatacnaca	cctcaaggga	gcagcgaccg	gagataccca	120
ggggtaccgg	tgggtcaaaca	caggcaggcc	aacctcctgt	gaaccattc	gctggattat	180
caggtntgct	gggangtcag	caaggcggaa	gcaacccgcc	tgatttcgca	cagctcatgc	240
aacagctcca	gggtctcgg	tctctctacg	ganctggang	ccaaggccag	gctgcnacag	300
gacaaacagg	ctcaaccaac	acacctagcc	aaggtgccgc	agatagtaca	actggcgcg	360
aaacttccgg	aacaacaccc	cgccaagtgg	tttaacacaa	ggctcaacca	ctaaccacc	420
tccccgaac	catttgctgc	ctcttccctc	cttcccgaag	ttccccaagc	ccacatccct	480
ttngcatgaa	cccgaatatna	agcaccaa	gatccaattt	tcgcgcngtg	aattggcccg	540
ggtttaaccn	cccgcncccc	cnaataaagc	nccctaagaa	cctaccccaa	acaa	594

<210> 1921
 <211> 1361
 <212> DNA
 <213> Fusarium venenatum

<400> 1921						
caaccatgaa	tttggtgaga	cctaattact	gagtgtcgtc	ttcatatcct	tttcttttcta	60
ctctcttttt	gttcatttat	ttccttcttg	tatcatttgt	gataacttca	ctttttgttc	120
acgtcttata	ccatcgtcaa	catccgatag	tggggtcggc	aacaggcgac	atcgagtgga	180
tcccggtgat	ccctggtttt	tcgggcttcc	ttcctacttc	ccctacgggc	ccaggacagg	240
gcgtctctag	ctagaacgca	cgcacgtacg	cactgcagag	tcagctcatt	cgaaagagca	300
tgccacctct	cgaccatcaa	caggcgaacg	ccgaacaaag	acttaattca	acagtagaac	360
cagaccacga	ttgatcacga	caatatcctt	ttgacttacc	tctcgccatg	gcctttctga	420
ccttcttttc	tttctccaag	acaagcgaaa	ctcacttta	agcgatacga	agtaatgaca	480
cgcgcgacgc	atgagaatga	cttcatttcc	aggaacagac	cccacgtgat	acgcattctca	540
tgacaatctt	tggacctg	ataagcaatt	aagctcagat	catatcgacg	ccgacttcac	600
ccgccacctt	ctctgcgaca	atattcagga	attgcatcca	ccagcgtaa	tttagttcat	660
cttcaacaca	tggaaccagg	attgattcaa	tcaagataca	gtaggtattg	ggttttggga	720
tgtaaagact	gacataccgt	ctagttgtgc	caaccaaaacc	ataccaaaac	cctccacctc	780
tgctcgcttc	cactgtgacg	tcgattcaat	caatcaattc	gccttttatcc	gaaaactttc	840
caattagcat	agcccgcgtt	tagtttggtta	gtcttcagcc	agacttcatc	tcgtttcgtc	900
ccgtacagca	gcgaacagtt	acacaacgcg	tgctgcccgt	aaatcttttt	cgccatcgtc	960
gttccgataa	cccgtaccgt	ccgttacaag	aagtgaagcc	taagcaagat	cctttccaca	1020
tgcaaattta	acaccatttc	cgatgcacac	gtgatggatg	gatggatgga	tggatggatg	1080
gatggatgga	tgaataaaca	cgccaatgtc	gtatacgatt	gtacaagtgc	caatcgatgg	1140
ccaaggcgcg	gaggataccc	tagagcgaca	agatgggata	gggaagattt	tatacataat	1200
taattcacga	tggaggacaa	gtttgggaaa	cttgggggaa	agtgtacgga	ttttgaggag	1260
cattatcagt	tggacagcgg	gaggagggag	gtcattcaac	gtcaacaaca	aataaatcaa	1320
cattttgccc	cggagctctc	atgaaaaaaa	aatgcaacac	c		1361

<210> 1922
 <211> 531

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

<400> 1922
ggagaacagg gaaaaaaagc ctgaagcagt gtccgcagct cccgcaacca ctaatggcaa 60
gcccgaaggtc ggcactgtta aggagctggc tcctgcagca attgtaaagg ccgcactccg 120
aanaagacga ctaccgctcg acccagtgcc atttcgacca aggctgccag caccaagcct 180
ccagnaaaat ccnnttctgc acaaagcctn ctaccagcac cactnataaa cctgagagta 240
agccaacagc caagactgtc ccggtngcta agaaggaacc cagacaagct tnagtcgcca 300
cttccacagc cactcggcag ctgngactac agccagcaag aaccgcaacc attgaacctc 360
ttctagcgat ctggtttggg aagccaagcc aaatctccac aaacctggga acttctgatt 420
tttatggccc actgggggnt tggaccaaen aggcgcagct caccgataag ttgaaaacct 480
acgttctgtt cggctggacc ggccatgcaa naggaccagg ccacctggaa a 531

<210> 1923
<211> 637
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G

<400> 1923
gccacgaccg ctgataactga cactaccgcg tatcgcgacg aggcgcggcc aacgccccga 60
cgacgacaaa aaactaacca aggttttcaa attgaagcca tcatgaccac acccaccatg 120
gcccagccca cggccatcca agccaacggc acctcagaat cgcctaccct cgataaggcg 180
caatccgctc ccccgggaaa gcgaaaacgc gatgttgaag aagaagaaga agaagaagag 240
gatcgcgatg aggaaatggt ttccgatgag caaaagcctg ccattacca tggagagccc 300
aaaaaggacc aacgcgattt gataaaatct ttcgttgaag tctcagcag ctacgacgtc 360
ggtccctcca tctcaagcg ccccttccc gaatcctctg atgatgacga tgaagatgat 420
caccgagtaa agcgccagaa gtcgaccgac ccgtccacta tctccgacaa ggctactgcg 480
aatgtgtatg aggatcttga ccaagtggct gatgacctcg tgtccgcaat tcatgtcgct 540
ctcaagggaa tcaagatgca accttccgag aacaaagatg agtcggccga cgatacantt 600
gaggacacaa atcgttgatt tcaaggncaa aggcata 637

<210> 1924
<211> 558
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 1924
gacgaacaca atgaatacaa tggtcacatc aatcatgcgt ctgcgcgcgc cgggtcttgac 60
caagtctctg gctcaatcgc ccaggacatt cagcaccctc gtccctctcc gaccttcctt 120
gactcccatg aacggcgcaa tccgaagaac cgctctgcca tcaagcttca ctctctcgac 180
agctgcttca gccgatatcg tgccctcaag cgccatcaca gcacaccccg cgatgggcca 240
catgcaaata cgctgcggac ctcgaaacac catgaacgga cacaccagac tcgtgcagaa 300
gcgagacat ggcttctctg tccgtaagcg aagcaagaca ggcaggagga ttctctcag 360
gaggaagatc aagggccgaa ggaacattgc ccagtaggcc atgcatgcct gctgagacat 420

ttaggaggnt	ggatgacacg	tcaatgaagc	cacaccggca	tatgtctata	cnggaaangg	480
ggtagagggc	ggcgggtcttg	ggggattcag	atgtctntc	agcaccctcg	tgtgatncga	540
aatctgacaa	agactncc					558

<210> 1925
 <211> 427
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 1925						
ctgagaacgg	tgttgacgga	tcagcattac	cttcctcagc	taactgggca	cgcaatccac	60
agcggagtgc	taggggcagt	ctcgctacta	gtgggtgccgc	gtcaagccct	gctatctcgg	120
cagctcagcc	tgtnaccgct	gagcctgttc	cggagaagac	agttgaggaa	gaagaggatg	180
aagatgaaga	tgaggaggac	gaggaagatg	aggaagacga	ngaagaagag	cctcnccaga	240
ggaaccgggtg	gccggaccct	cttcatcccg	tgcgatggaa	cccgaatctc	ctgcaccagc	300
caggaacctg	gctganaaag	ggcttagana	natcctcaag	gtgctgggtt	acactccctg	360
gcctccttcg	tctaccgctg	cacagacaat	atccccctcg	ttcgatcctc	gtgggtggtga	420
aaaacgc						427

<210> 1926
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 1926						
gtgtcactct	tttgcagctc	tgcaaagaca	aaacctaata	ttattgggca	ccattctaaa	60
aatgagcagc	ttcgcatgcc	tccaaagttc	ccgtcgggct	ctgtatcgag	tctttatcga	120
gcgcgaagct	cttactactcc	aattcatcaa	accaacacaa	cgaatactac	cattatacca	180
gaatcgtcga	ttctctgtgt	caccactaca	attgaaggga	aaggctcgcc	gaggaaaaga	240
tgttctggat	gatttggaga	cggaaaccga	tgaggatgaa	gccagagcct	ttgatcgacg	300
ctacaccacc	caggaagatt	tcatcaaadc	cggccgcgac	cgtctcccta	tagatttcga	360
gataacggat	cccaaaatca	tggttcttga	caatggcgtc	tcgacggacc	aagattacgc	420
gcaacgtctc	gagccgcatc	gacacttcta	ccgattcctc	cgaatggcaa	ctccctacat	480
cccgccgata	ctaaaaaacac	aagccagcac	aatatgcgct	atgcnagatc	tccnccngaa	540
ggaagaatnc	aaagacagcg	agagctcccc	cgcgctctct	ttttttncgg	actccccaan	600
aacag						605

<210> 1927
 <211> 267
 <212> DNA
 <213> Fusarium venenatum

<400> 1927						
gggaaagccg	ccaaggtgaa	ggaggctgct	gccaaaggtcg	cggagaagga	ggaaaagcct	60
aagaaggctg	aggagcccaa	ggaggagccc	aaggaggagc	ccaaggagga	agctaaggaa	120
gaagagaagt	ctgaggagga	tccaaagact	aaggagccca	aggccaagaa	gtcaggaggc	180
aagctcgagg	ttggcgacgt	tgtggacctt	gatgatcttg	gaggcgaaat	tggaaccaa	240
cgatggcgac	aagactacct	tgaaaaa				267

<210> 1928

<211> 559
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(559)
 <223> n = A,T,C or G

<400> 1928
 gaaagaaagg acaagaaana gaagcgacaa ntccggcatc tccaanccca ngaaaggaga 60
 aaaaaggata agaaaggata agaaaggana aanctcgccg ctgccctcga aggaaaaagg 120
 tccaccagga tgctcccgtc nccgcttgcc gctgctgaaa aacgaacaac tccaatgttg 180
 aaggaaggat aaaggctgct gaacctgcct cttgagcgtn tcntcctttc cttttgccat 240
 ccccggtgca gaatgacaag ggcataaana aaggtctaca agaccattcg caaggctgcc 300
 aagaacaaca cctcaaccn gtgtcaagga agttgtcnaa acctccgaaa gtctgcccct 360
 ccggtcctgg ttacacctct tccccngtgt tgatcatcatt gctggtgaca tttcccatg 420
 gactcatctc ccacctcccc gttctgtngc gaagacacaa cgttccttca tcttcgtcnc 480
 gttcncgcgc tgaactcngt gccctgcna nacaagcga actacatccg ttgtcttgat 540
 catgganaaa cctgaaggc 559

<210> 1929
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 1929
 atcatgcgtc ccacctcaaa cctcctccag gccgctgtct gcctcacttc tcttgacact 60
 ttggctacag catggcctag ttggtttacc aacgccgact ccgttgtagt tcgacgagtt 120
 gtcccgaag atctgcctct agaaactcaa gttctcaagc ctggtcaaga taccacgact 180
 gaagaggaag ctacaagcac caagaaaagt cccaagcaga ccaacctaaa cacagctaaa 240
 gtcgaaaccg gaacagagac tgggactggc aaccgaggaa gattccacag agacacggaa 300
 aaaaaaaccg gaaaaaaatc tgggcaccaa aaatnggaaa tctgccccaa acgcacaacc 360
 ttttctgncg atgttaacct gcggtttgag tatgacgctg ctgacaccat gtatgtccct 420
 acgcctctta tcaagatcgg cgactacgcc acctttggct ggaaactacac ctcgctcgaa 480
 ggactcctac tgcgatcgac gtgcttgtca gtcaatcctc cgntggcgaa acctacactc 540
 ttactgcaa catgacttcg agacgaacc actacgttgg gatctagcaa ggaggcatga 600
 tctgatgct ctnctctgtg gctgtcactt tn 632

<210> 1930
 <211> 259
 <212> DNA
 <213> Fusarium venenatum

<400> 1930
 agtacatgcc acgaaagaag gagttgtgct ctatttgagg tctcatggct ttcagcgaga 60
 tggcggtcga atcgctcatc gtgtcggacc ggtggacatt tctcaaagaa cacgacgac 120
 ttgttcgtca cgcgtgggtc gaaacgggtg ttgactatgg actgagtcca agaaacctgg 180
 ttgtcgtagg agttaagcga tagataaact ttgagctagt ttagaatagg aatgatcaac 240
 aacactctga acgctattg 259

<210> 1931
 <211> 339
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(339)
 <223> n = A,T,C or G

<400> 1931
 atctctaccg tcaacgactc catctctgag tcctcagtc acaagtcttc catcccaaca 60
 aaggtcgaga tgagccagca tgaaaagtac agtgaggcgc ccagtgaggc gcccacaatc 120
 ccacccccgc ctgagcagta tgcttgagg agggtcaggg gagaaactgt cagggatgct 180
 ttctcggaatt ctttggtact ttcattcttc tcctctttgg tgacgggtgc gttgccagg 240
 ttgttctcag tcgtggaaca aagggtgatt ntcaaagtnt ctaatgggga tgggggtctcg 300
 gngcatcttg gantgtttgt nggaggtaaa ttaagcggg 339

<210> 1932
 <211> 422
 <212> DNA
 <213> Fusarium venenatum

<400> 1932
 gtggagagca gaagtacgta cgataccaga tgaaccacgc agaaaactgg ggtcctttgg 60
 cgaaggcagc ccgccgatag taatgtaaat ttgatcatgt acttgccttc aatgtttctt 120
 ttacttcacc ggctaaaaca agcgatcctt gagcagttga aatgacgaca catgatcggt 180
 ggtgtgtctg agtaggcatt atctgttcgt cagcaaaagc cccacaaagg cctacggaag 240
 tattgctgag ggcttttgag cttgacttgt tcatcatctt caatctcaac aaccggaata 300
 caacaccctc gagccgaacg agtactgtat cctcctttga cgggcatttt gcatttggtt 360
 atttcgcgcg tattttgtgat tggctattgc gccagaaatc aataaagata ccatatcctt 420
 cc 422

<210> 1933
 <211> 448
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = A,T,C or G

<400> 1933
 ggggtggtgaa gcctatgagc aaggtccgag acaccgcgcg acaattggaa gacactgcc 60
 tagaagcgcg acgaatcact cgacagacag cgcgaaacgt accggccgaa gaacagatcg 120
 accgaccaac cgaaaccga aagagtancg gcagcggcag cggcagcggg agcagcgatg 180
 gaagggcaat gctgcagaag cgttggatct cctggcagag tcgcgtangg agaccaaagc 240
 actgcaggaa gcgctgaagg aacagacagt gcacgagatg ggcnaagcaga tgggtggagat 300
 cnaggaacag atgactgagg aaatacaacg agcccgtgag cagctcgaac tatcgcgacg 360
 aatgcaatag acggactcna cgatcatatg ctgacgtcca cactgaccgc tccctaccn 420
 caatgatcna ggacttactc tcctccaa 448

<210> 1934
 <211> 479
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 1934

aaggagaaa	gtccagcaga	attctgcgaa	gaatgcgcg	aacaaaggt	ttcgaacaag	60
aacaaaant	gaacgggctc	nactgccacc	aattgggaag	ctgtcactcc	aaccatnaag	120
aactgccaac	tttnggcttc	tctatgctga	aaccgcctta	aaaccaaagt	ggttcaacgg	180
ggttgaatcc	tttcgaactc	nttggcatgg	aatgaatacc	atcaatggct	tccaagccaa	240
gatngccgaa	gggcaactac	ctggaaggct	ttattgataa	gtaccttctc	aacgacaaca	300
ccctgacttt	cactatggcc	ccctccacaa	catatggcga	agacctantg	anggaaganc	360
aggagagact	tcaccaggat	ccagcggcga	tcaagggaag	ccngaagcna	agaaaaagcn	420
cnaaagccct	ttgagaancc	agaacaagaa	ttgtttgtct	agccgaacaa	gacaacacc	479

<210> 1935

<211> 686

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(686)

<223> n = A,T,C or G

<400> 1935

gaattttttt	tttttttttt	tactaagatc	attatcatta	ttattcatcc	tccacttgcc	60
tttgccattc	taacaatatt	cgtgccatgt	tctagaatag	gtaggtacgt	agattttctt	120
agaaggcaaa	tgctgaataa	tgtaaccact	actagtagcg	taaaccgctg	tcaaacaact	180
gtagacgata	acgttatcaa	tctttcatga	ttgctacatg	ggcacacca	tgtaaacgct	240
gtaattacac	atttggttta	aacaaaagat	agcggagacc	tgtcttgtaa	gaaccagagc	300
tagcattaag	cttggcaccg	cttacttcgt	tgatatagct	ttctctgctt	gcaaagcttc	360
gagattgctt	catagcaatc	ggatcggcaa	cgctagcttc	gttcaatgta	tgcgttttta	420
cccgaagtca	aatgtttggt	gcggaacgag	gaacaagttc	aatgatcact	ggccctggac	480
aangngccgc	atgggcatg	tncaacgttt	caagtgcaca	attagaacaa	aagttaaaag	540
aaaaatcttt	tggtccctac	catacaagat	caacgtcgca	tatagcaaca	tgctcccaca	600
agtggaaacc	cgacccgtaa	tctataaaca	anctagcatt	ntaagccagc	atntaatgat	660
cggcacccaa	acttccgaat	atcgct				686

<210> 1936

<211> 633

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 1936

ggaagatatg	acttccgggtg	aagagtctga	acttgctgaa	acaccttccg	aggtcaatga	60
gatgaagagt	tcttctgccg	tacgaacacc	catcgtaatg	cgcgtgcctg	cgaaggctac	120
caattctcca	tccgtcatgg	acacagcccg	ttcagccagc	aacaaaggtc	gtgctcctgt	180
tgctttcaag	accccttcag	gttctgcacc	acgcggcaca	actgtcgctc	tttcggatga	240
agatctcgat	atggaggatg	ctgacatgag	tcctaacacg	atggtcagca	ataatgcacc	300
ttctctgggt	agtgacgacg	gggagtacga	cgatactgat	gatggctcct	cagtttctgg	360
cgccagtgat	gctcttgaga	cggagtccgt	atcagacgtg	gctgaaataa	cacttgacga	420
cgaccaagac	ccgcgctcac	tgccgacgag	gtctagcggg	gtatcgggcg	ctgtaaggct	480
tcgtaaagat	gattcgaaac	acatcactct	gatgacgcct	gtcaagaaca	acgccagaga	540
aagacgggca	cgcaaggctc	aaattatggg	aatccttcgt	ttttgcatgt	gccaatcgct	600
caatcaacaa	cgggcccgtnc	aancaacaan	caa			633

<210> 1937

<211> 352

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(352)
 <223> n = A,T,C or G

 <400> 1937
 caaaggtcgg cagacaacaa tagccctggc ggttacaggt cacaaaacaa tgtcagtcct 60
 tggcagcgag gtgctgggta cgagcactaa ttgatttaac tctagaggaa tttacctttt 120
 tattttatct catgagagct tatacctaga ctnttcttaa gggggtagac tttgcatttc 180
 acgcacttgg tctatgcgag ggctgcccag cagacaaagc cctcaggatt ttntgcttgn 240
 ggatgacncc nagtgancn tgggctcgca nccagtaatt aacattnccc ccnctaagaa 300
 ccgggcttta ttttttggtg ggtttccctt tttctnggag ggttttttnc cg 352

<210> 1938
 <211> 637
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

 <400> 1938
 agcgtatcag acatttcaag gaaaccttcg gttcgtgcgc ctaccactcc caagtcaagt 60
 aagagcagta ataaagttga atcgcgacct ttgcaatctg ctgcactgga tggaccata 120
 cagcagccac gactccaacg gcgggacagc gaggaatcat ttcacagtgt cgagtcgtgg 180
 cattcgctcg gcgttcccat acatccttcg ccacccactt cacaagcgga gtctgctgnt 240
 tggggcaaag tacgaaatca aatgaaacgg acgccttgct cgggtgggaga tgcaaaagaa 300
 aaaagtcttc ccgaaagaag aggaagctct tccaaaggcc aggcgcctgg ggaatctgac 360
 cctgattccg acgacagcga gtcgtccagc gaaagcgcgga acctgggaat caaagacaca 420
 gtcgacgttg aaaccaaagt ccaactcgctg gcagcaccac cacaacggcc gggtataact 480
 cgctcatagag cgacgacaag tagcttatca gtacgccagc gggcacttta cccctggccc 540
 tgctgcgaat ctcttnacc tgcatcaact atggaaaagac gaccttacag aagtaggctt 600
 ggagactgnc aaagaaccta ccaatgggca tcattgg 637

<210> 1939
 <211> 459
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

 <400> 1939
 nggaacctgg gctccggggc tcctggaacc aactaatcca atanccctgg agaatacnc 60
 tcgggtggan ttcaatcccc naacggttgn actccggcct ggccnaacaa tcgggtaatc 120
 cgttacaagt acccaattag ctaanctaac ctaacctaac taacctaacn taaaacttgg 180
 accaagactc aatttggtcc gctccgcaaa aacgggaacg ggancaanaa caanagangg 240
 gccaaacccc cancanaagg gcccaagggc caaagacaag acaagggccca aaaggccaac 300
 ccggccgccc tatccaanag ncagaagcca cttgctccaa gatttcggag ctactagaac 360
 tgcctgcacg tcctgaacct gccggtacgg agcctggagc catttgccca cgaactaagg 420
 gtcnccttga ancctgtacg cgacaatgtc gataaactg 459

<210> 1940
 <211> 561
 <212> DNA

<213> Fusarium venenatum

<400> 1940

caacactcgc	ttcaaaacac	actctccaaa	caaaaaaac	accaaccgca	aacatgaagt	60
tcaccgctgg	cgccatcgct	gccttcgtct	ccatggccgc	tgcttctcct	cttgatgctg	120
ctgccggcgg	ctgcaagcct	ggtacctact	cttgactcc	cgacaagact	ggctggcaga	180
tctgcgatgt	caccggcaaa	tacgtggctg	ctggagcttg	tcctcccaag	acttcttgcg	240
tcttctacaa	gaagagcgcc	agccccact	gtgtccctcc	cggttcaag	ttccccaga	300
actaagcaat	ctctcccgat	gagatagccg	tgagagtggg	ctctcgataa	cgacttctat	360
ctctgcgacc	tttgggttca	aacttgagca	tttgggtctt	tttatatact	tgttttcatg	420
cacactgcat	gaggtccttt	ccttagaaat	gtttgataga	tacatggcac	atatacagaa	480
acagcatgtg	ggggttcaag	atcgatatata	gttactcaac	atagcatctt	caatctactg	540
cattgcccct	ttaaaaaaaa	a				561

<210> 1941

<211> 603

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(603)

<223> n = A,T,C or G

<400> 1941

cggcggggag	ggggaatatt	tntgtctncg	taccgcccgc	aggctcctct	tcgtcaagag	60
caagagttaa	tcgaagaaga	ggtcatatta	cgcgtaga	agaacattac	caccgtccgg	120
tgtncaaaaa	ttcgagcacg	aagactttac	tatccgtgaa	gactcccgac	gagatcgaca	180
cccaccgtca	tcctactac	tccaccccc	ttgatctcgc	tgaacgtgaa	taccgccagc	240
gttaccgcct	gccaaagctt	ttccacagaa	gacctctctc	cactctcatn	ctcactacca	300
acctcaagac	aacttcaaa	ccaacaacta	caccggtgaa	ggncgcccgc	tcccaattcc	360
attcctctga	gaagactgaa	atcaacaagt	ttactgntgc	gaacactcct	ntcgctnag	420
tcaaccacac	cgagaagacg	aattcaacaa	ctacactggg	gcaggcgatc	ttccgtcctc	480
aatacaacac	ctgtgagaag	actgagatca	acaatttcac	tggtgcgccc	gntctttcca	540
gccacggacc	gngacaccaa	gacactnaag	tnaacagcta	cgccgtgcaa	gnccggttnt	600
ngt						603

<210> 1942

<211> 575

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(575)

<223> n = A,T,C or G

<400> 1942

tcgcggcctc	aggaatTTTT	TTTTTTTTTT	TTTTTctgat	tcaacacgct	tcgcaattaa	60
atgaatgtaa	attatttgaa	atccaaacct	agaggtccaa	ctcctgaacg	cccagtanat	120
tctatgcagn	gatgtatctg	cgctgtcga	ctaactttcg	aatcacaatg	ctttnggtat	180
cttaactctc	gttttcggcg	gctgattcag	ttctttccan	caaaggcagg	gttctgctcc	240
attgtcnaaa	agatgtatcc	tctcaacgcc	gcccacgat	tcgcagtagc	cgcaggagca	300
gtctttttct	cctcgtccat	attttctgtc	tgnggcacag	gctttgcctc	atcctgagcc	360
gttaacctcg	ccataactaa	tccaaacctc	tccatctcac	ccttgacgac	cttttccttn	420
ttnttcagcg	caccttctct	gctcttcaaa	ctattgngac	naatcttgcc	ctgttgctct	480
gcatnacctc	ctctagctct	ggcagcgcat	cagctanact	gcaagagngg	nggcgagctt	540
nttggangga	cngcgacnct	tggtaaactt	tgaaa			575

<210> 1943

<211> 238
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(238)
 <223> n = A,T,C or G

<400> 1943
 ntgaggctac cnaagttctc cttncncg aancatntt tagcaacggg gccatntacg 60
 cccngcagg ctcangcgac attgctacaa tgcgtactga ccttggtgtc cgcgtcgccc 120
 ctctttacca aaccataaac ntcaccgagc gnttggtccat cgactcncctc acttacaacg 180
 anatngaccc ngagcaatcc accgacgnag ggttccnntt gctcttngat actacncg 238

<210> 1944
 <211> 643
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 1944
 ggaactctct agctttctcg ctcttaatag ttagttcgac atcttatttt gggatgatcaa 60
 agataaaactc ggctctctca caatccggtc cttttatttta tttattttatt tttcttactc 120
 cattaatcaa gcaaagagg ggaatgaata gatcaacctc cactctttca acatcaccaa 180
 acatcctcag taaaaagaga gagaaagagc ctaactatta actgcgccgt accaaccaac 240
 tctactacaa ccacgtaacg gtaacttggc tgttgggtca cggatggatg gatggatgga 300
 tatcaaccat gacgaacca caagacaccc ccacagctct aactcctact gcgtccactc 360
 ctgcgtacttc tcttgggtccc cccgctcagc ctgattcaac ttcagcttca gtcccagctt 420
 ccgcttncac tttccgcttc tgnttcttca tcttccccca cgcctcaagc tgaactcatt 480
 cccgcagang acccngagt atgtcatacc ttggccacaa ccaccaacca accaacaagc 540
 acagaattgg agagnccatt tgggttaatta taatggcctt gatatgggta ttggtaaacac 600
 tttggctttt ttcgnatttt tgganggana acgtcgatca tga 643

<210> 1945
 <211> 522
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(522)
 <223> n = A,T,C or G

<400> 1945
 attcaatcca aatacaaaat ggcgggctaaa agagactttg aggatgtcga tgaaggcgat 60
 gcttcaaagc ctacacaaa gcgatctaag aaacacggcg gcaaagcgcg acaacatcaa 120
 aactctggca ttgatcctac ctggggccag aaatatgtct ttgcagacaa cgagcatgcg 180
 acaacgattc ccgcaggcga agantctgat ttcgaggacg atgcagatgc cntggcatat 240
 ttaaaactcag ttcgacaaca agctgccgga atccccntt tactcgctgc acctaaagtc 300
 cagatcggac ctgagttgcc cgccgaactt agaggtgatg atgaagatga tggagaanga 360
 ccgtccacag ggagcctatt ccacgacnnt nttggcgatt ctcggggctg gttccaagac 420
 ggcgcgttca tggcgatgcc cgacnaaacc aacgacgaag ggaaacttcc aanaangaga 480
 atccccgaan atgacgacaa ccgctttgat gaaaaaattt ct 522

<210> 1946

<211> 509
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = A,T,C or G

<400> 1946
 ttactcgccg cctataacat ttcctatgaa tcttcaatta tatcatagct actccgagga 60
 aacttttgag aaatgttctg acaccatgtc tcgccaacat acatttcaca acagcgccac 120
 ggattgacaa tcaagtcaag cacaaccatt tcccgtatct aattctccga gtgtttcttg 180
 gcctcatact aactgggatt ggaactgacg tcccgcgcaa ccaaaattcc cttggcataa 240
 agaccggtga tgatccccac tcgtccaccc ttgacaacag tcgagcttga agggatttcc 300
 gtatcaacat aaagggttctt caggccctca ctctcactcc actcagcggc ccaagaagtt 360
 gcctcggtcg tctcgagta ctccttggtc ttggaattcg catgttcata ctccacggga 420
 tcgttgacga tgcgtcgtga ctgcgtaaac tttaccagan aangcatatg cgcattgttc 480
 gcgatcatca acttgtcacc atatccaga 509

<210> 1947
 <211> 114
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(114)
 <223> n = A,T,C or G

<400> 1947
 nacanccagn gctaactttt tggcaaanca ttgnacgtga tgcncatgt acntgaacnt 60
 gnggacaagn gctngggtga ttccgggtgn cnacaacggt ntgaantatc ctga 114

<210> 1948
 <211> 238
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(238)
 <223> n = A,T,C or G

<400> 1948
 cnagcagcaa tctcaccggn gactaccatg ggtcagctgg caagactgag gtgncttntc 60
 cttgctccag tggcacattt ccattttgac ggtgacggaa gtgcctncta taaagactgg 120
 ncatgctcct ttacggagac gcttctntct gatggctnnt gcaagacgat gcaataagag 180
 gagatcttnc ttgctnttat cnggcaaaan cttggggcgan accatgggaa cggnttgg 238

<210> 1949
 <211> 1151
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1151)
 <223> n = A,T,C or G

<400> 1949

aactgtcact	catcgacttt	taaacgccaa	agatacataa	tctgacatga	cattttgtcaa	60
aggcttaaaa	ggaaccgaga	acccccta	aagcttgtct	gtttcttctt	gggtgggggg	120
ggagataaac	tcgatcacat	tttgatata	cattttgtct	acatacctct	tccaccata	180
acctatccat	gcctgagata	cgtccaagcc	tccctcagca	atatcaacaa	ctgcgccccg	240
acccgcttac	gttgtaata	cacagcgagg	cctcattata	tttactttac	aaaagtcaat	300
aaccaggctc	ttaaacgttt	cgacattcct	ctctttggct	tccaggcttt	actactatac	360
atatcacgtc	ctacccaccc	acctctctac	tatatctcgc	cagtacctcc	acacatctac	420
tctactacat	atacctatcc	ctcttatact	gtatagctct	ataccgtgtt	atcctctctt	480
acataattatc	accttcatac	cctcgtacat	actcactgta	caaccacaac	ctccatcaat	540
atgttgccat	accgtaattg	cccagcggat	gtgcaaggat	tgccgccaca	gcctaggcga	600
gacggtcatc	gatttcacac	gctgtgctcg	taaatgctcg	agccctttct	actgccttac	660
ccctgagcct	cagatggagc	tgtgtaacct	ttgtgccaca	acgtcgacac	tgtctacacc	720
ggtactcgca	ccacatgctc	ttgaggacac	aaccactgca	gccgcagcag	cagcagccgn	780
atcgcccggc	acgagacttt	accatcattc	gattggaaag	acagtggcct	atccaggacc	840
tggagtatgc	cggcacactg	cggccactag	aagtttgoga	caaaccatga	caaaatgggt	900
gattaccgcg	acattaaggg	gcgtcatttg	tgtaatat	tgaacagggg	aaattgaaac	960
gaccgaaacg	aaatttgacc	aaaaaaaangc	gtgttttngg	aaacgaacag	gtattgatac	1020
gggcaaaccg	acagaagggt	caangggcgc	atttggacag	ganttnatca	angctttgnt	1080
ttgctttact	ttaattta	ttcatttttg	ggntaacttt	anttcaattt	ccatatgtaa	1140
atgncacttt	a					1151

<210> 1950
 <211> 589
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 1950

cactcaacga	cgacaacgag	gctcgactca	gcagccgccc	tgagaatctc	gaccacgccc	60
cgtctttgtg	atttctctct	ccttctacct	cacatctcga	ctttcaattc	ttctcctaag	120
acaagacagc	acagcagcat	cagcagagta	cagcacagca	caacacaaca	cgcacagaac	180
cccatcccag	ttccagcatt	cgtcctccac	tcctgcgcaa	gtaccagcct	gcctgcacca	240
gcaccagcac	tgcactgcaa	tcaattgaac	cgcacgataa	cccaccgtcg	tccaatacca	300
ttctcagccc	tggtggttc	agtgccttat	cgtcctcttc	ctgcatgaga	gtaatcgctg	360
tatttcgctc	cctcgagtag	tctttcttca	ttaggtgctg	tttcagcctc	ctcagcttcg	420
antcctccag	ctctcgact	cgcggttctt	cgtccggctc	cgacagcaac	acaacgcttt	480
cgccagacgg	gccctcttct	ctcgcctaaa	aatcgtctgc	taataacgaa	tatcaatatc	540
attcatccct	acaacgcttc	ggtgcattga	atcaattgct	tgcgcatct		589

<210> 1951
 <211> 719
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(719)
 <223> n = A,T,C or G

<400> 1951

cccagggtca	tccgtgcttt	tatccaccac	cttactgttg	acctgcgcct	gacacctctc	60
tggatgcttg	tctcttacga	agtccagaag	attctcgctt	ctgagcttcg	ctggcgaaagt	120
ttgacctgta	ccgaggagca	gcgtgttgat	gccgacaagc	ataacagtgc	tcaaactcgag	180
ggattggctg	caaggcccgt	cgtgttgagc	gtgaacgant	caanatccac	gaggtcaagg	240
ctgacgaaa	actttatttc	tccgtgccaac	cccgtatcgc	acgagtggaa	gaacaaccgc	300

aagggcaaaag	caagtgcatt	ttacggaggt	tcgccatgga	tcgaccagga	gcaccgccgt	360
tctttgctgn	cgaaaaggac	ggnanggcac	gtctatgggc	gttttggcca	acttgttctt	420
cgtacggntg	gcaagtgaag	tgggctntcn	atttcctggg	gctgtcaacg	gngccatcga	480
ggtctgggca	actttgcttg	tccaacgtca	cgggaaaggc	acctttgtgc	angtgtgtcg	540
gaaaacttac	ttgccngaa	cacgttggcg	gaattccncc	aagttcctna	cgcnccttac	600
gaatttttat	tgacaggctt	nggctttnc	gnaagggttt	ntttccnate	caaattcggg	660
gccctgggga	nagganaatt	tacatttggt	nttctaaaaa	agggngttgg	cctgnccca	719

<210> 1952

<211> 637

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(637)

<223> n = A,T,C or G

<400> 1952

aagagatgtc	ttctgcgtct	tctctggtac	catgggtgtcc	aagttccgcg	actttctcaa	60
cacttcacca	cagtttgagg	atatgtggga	caatggctgg	aatcgaccag	cagtcttcgg	120
ctcacgacgc	cctggtgcgg	ccagccagcc	aacagcacct	cctggagagg	gagctgacga	180
cgaaatggtt	gatgatgaga	acgactatga	gggttttagac	ggtagcgaga	tggttgtgga	240
tgcccaagca	cagaatcccg	tcaacggcaa	cggaaccgtg	aaccccaatg	gattgacgaa	300
caacgcattc	caacaagcta	tccctatacc	tcctccactt	cctgggtttc	caatagaagg	360
cggagtgcca	caacctacga	ccagtcaagc	gagcgcagca	ccccttggcc	atgggggccc	420
agcaaatgga	gaatccccta	gtggcgcaag	cacagcgacg	atccaccggt	cgcaggagaa	480
tggagatcaa	tctgactcga	tgaactaaac	aaccagaact	ttgctttcgc	tcacttagac	540
aacgcaccag	attgggtttg	gttctttccc	tctcatgaat	agatatgcgt	gcttgccacg	600
gcggnrtggt	gacggacaac	gttcaggatt	tgggttg			637

<210> 1953

<211> 614

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(614)

<223> n = A,T,C or G

<400> 1953

cgcgcattct	actgcatcgc	gtctagcttg	accaagatcg	agaaccacaca	tctgtctntt	60
aaaaggaccc	agaccaaac	tttcccgctg	ccccgttcgt	gaaacggatt	ctacgttata	120
ctttatcgag	accctgttgc	tgctccgtgc	tcaccttagc	ttgacttcct	acacctacca	180
cttgcctctc	tttccctcct	gacctgtct	cttcctcctc	attcaacacc	atctatctac	240
tctgtacctg	ccttccctg	tggaacaatg	cccttcctag	gaatacaata	ttacctagnt	300
gntgttctcc	tcctctactc	tactctactc	tactctactc	tactctactc	tatctatcta	360
ctgnttaaaa	aataagccc	accaactntt	tcgttccctg	agcggcattg	ggttgccaat	420
tgccaccatc	actcatcgca	ttcatctcag	gtttttttgn	ccgcctaagc	cacctatttt	480
gttccgccac	agtcactggt	tttttccaac	cgcgcgntnt	gaaacganca	caatggatgt	540
accngggcaa	acaactttgg	caacccttaa	gcctaccaac	aagtttatgc	cggantttct	600
ctttgacgcc	ggnt					614

<210> 1954

<211> 577

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 1954
 cgagaaccac cgtatcatgt ctagtctgcc gcagcaagct cctttgttga gcgcaccaa 60
 ggctcgcttc gttgtcagct ggtgggtag ggagggtcac atctggcttc ttcgacagtc 120
 agctaccgaa atgatcaaca ccgagaacaa cgatatcaac caaaaccgca agctgattaa 180
 gactattgtt gtcaaaggag attcgaatat tacctcggca actattgacg acgagggttc 240
 gcttctgatt gttgctactg ctatcgatgt taaggccttc agactagaac accaggatcc 300
 cgtcaggccc tctgatgtca gggctctggc ttccgaactt ccttcaaagc ttgcgggagt 360
 cggtgccacc aangtcagct gtgcctaac gcgcagtggc tctgcgcaat caagaangct 420
 ctgcgcttgt catgggtgcc tcgaccccggt tactccagac ctgactgnct tttnacactg 480
 tcaacgactg cagcctacg gngatcagtt aacgtatntc ctcaacggag gatggcaaat 540
 tgacanggcc attcgcaagt gctttttccg gnttcaa 577

<210> 1955
 <211> 797
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(797)
 <223> n = A,T,C or G

<400> 1955
 ttcacttaca cggcctttac cgatatcaac gactactctg acggtaacgg cgcgaccaa 60
 ctgccaaata acacgttcaa atttccggtt tgctgaaaga tataaagagg aacactaccc 120
 ttgcttgtac ggaaatcacg ctccagtagc acgaccccggt cacacgtttc tttcccagaa 180
 cagtgccttg aacgactcgc ctatcgtcta cactatata tacacaaggc ctccagccat 240
 ataataacaa tttatggcgg ctatgatgtc gtctgtcaac ccctttacac cggtgacccc 300
 tccgcccggag agcctgtcct ttccctaaact tcctgcccaa aggcgcgttac agaacaacct 360
 caaacgcaaa gcacgtctac aagaccctct aagtgcccta acaggtctca acgcttccgc 420
 aatgatggca ccacctcctt caccgacttc acaacccgga cgttctcgtc accaaatctg 480
 gctcanggnc aagctctaca gtacttccca agtctagtgg tgcgacaaca cctgaaattn 540
 ctaacatacc tggngcaaac ctccgatctaa atatttngcc tggnatTTTT gcattggcgc 600
 ctattattaa caaaggngcc aggtgnanac aactaccaca acaacgttgc aggcctgggc 660
 cacatgcnta ggcaaaatgt anggaatgag caggtttttt gttgggggtg gnttgggttn 720
 ggaaaaccgt ttcancnaa aggaacaaaa naaactcgtt tccacccggn tggaaacccgg 780
 gaanattcaa anagatn 797

<210> 1956
 <211> 500
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 1956
 cttctcttca ttcttctttt cttcaatcaa cctacacttc atcgacatac tcagggttctt 60
 aaccttaacg catattctac gactcaatac atacattcag caacatggct cctccgcaa 120
 accccaatct tctctccag gagagactta tggctcttgc ccaaaccctt cagttcgggt 180
 ggtttgtcgg gtatgtctat catgaacctg tcgcagtcgg ctgtgacggc cagattgtat 240
 gatccgtgac taacgataat agacacctca ccctcatcct cgcaacgatt cgatatggct 300
 tttcctgggt gagaatgaac tactataccc gcatggccca gttctcttac cgaacagcct 360
 ttgtcgcgcg cgcgcgtcacc tatggcatcg tcgtctacaa gacaatgcgc gctcgtgcta 420

agaacggcca gcgtgctgct cccactccct tggctatgct tgccgatgan aacattcaat	480
acctcgccat gtctcttggt	500

<210> 1957
 <211> 169
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(169)
 <223> n = A,T,C or G

<400> 1957	
nacatttctt gctncacacc ngggaanatg catattgtgg cctaaagaat actcaattga	60
ttttactntg atcgctcan ntgattatat accgntgaa tnactctagt gttacctaac	120
cgcttnatca ccaaaagtga canacacgan cccggggctn tacnaaaga	169

<210> 1958
 <211> 299
 <212> DNA
 <213> Fusarium venenatum

<400> 1958	
agacctcagc agcatcaatc gcagcaagac taccgcccgg atcagtatcc cctccgcca	60
cagcagcatc aatctggtgg ttacaaccaa ggctaccagc aagaccaagg gtacggacac	120
gatcaaggtc aaggccaggg atacggaaac aatccccgct actaagaact ggaaatgatc	180
acgtctggta ggaagcagta tcgcattggc tgcgcttcaa aagttacata gcgtcgggtt	240
cagcatggcg atgctaggta gaccttgaca gattgatgaa tgatatgacc attagacct	299

<210> 1959
 <211> 390
 <212> DNA
 <213> Fusarium venenatum

<400> 1959	
cgagtcgtcc atcatgtcga cctcggttga tctaaccgga acttacctcg acaccattgg	60
cagaacgcat gtcagtatca aggcgagaaa cctagttgac gagttccggg atcgatacct	120
catcatctcc tacgatgcgc ctttgtcgag cgctctccga aagcctctaa tcatctttgc	180
cagtgcgatg gcggtcttcg tgactacttg ggctctgggt caactgcaag tggaatttaa	240
gcagaagaaa tagacgttta aatagaacgg ggcatctgtc tttgatcgag aaatcttcgc	300
tttgagggt tgcggaagcg aatttttaag acaggatgta aaaagtgcaa catagaaggg	360
aatctcataa tgaaacaagt ttctagtttg	390

<210> 1960
 <211> 553
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

<400> 1960	
catcatttct ggcttttaaa tctaccgtcc aggcactcct ggcgtccttg tctcgaccac	60
catccatcat ttccgaaatg agggcgggcca agcgtgaggc ggatagaaac tttaattctc	120
tcaacaaatc caggtggccg cttggcctcc tagatgacac tagacagcgg ctctatgatg	180
agaaggaaga ncgggcgcgg aagtcaaggg aggaagccgc aaaccttgca agggaaactc	240
gatacacgca acagacggtg gctggggaac tggcagggtg gcaagaccta catgaaaaga	300

tgggtcgcca	ggctatccgg	gantttgtcc	gtgggatggt	ggtgcaagaa	anaatgaant	360
tggatggcat	gttgaaggcc	tcaggaagggt	aagatccgat	ggtcagggtcc	aaagttggct	420
ggaatgatta	cgggcaagggt	cctaatacctc	nacaatggcg	gaactgaagc	tgtcatgatg	480
gacanactgg	aagccgtggt	gatectocta	atggcaatta	tacaattgtg	atacgattct	540
gggatagatc	aac					553

<210> 1961

<211> 266

<212> DNA

<213> *Fusarium venenatum*

<400> 1961

gattcttttc	aaccgtacac	gacaggctgt	cattaccgga	gagctggctg	agattatcac	60
tgggtgctact	gcctctgcgg	acatgtaagg	agtgggagta	caagtcgggg	tgtaatgctt	120
ccctttgtaa	caaatgccaa	cgggtcacca	tcctcgcatg	gtctccttca	ttgtatcaaa	180
gcttcaataa	attccttagt	agcccataaa	gtcgatatgt	atggtaatct	aaaaaagaga	240
ataagtagcg	atgccaggaa	gcttgt				266

<210> 1962

<211> 613

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(613)

<223> n = A,T,C or G

<400> 1962

ctaggccggt	tcagaggctc	ctctctaacc	cagctaacag	cttgtctgtg	ccgtacttna	60
naaagttctt	catctttggt	gtaattcttt	agagcttcag	gagacgatgg	cctgtcccca	120
tattcacgag	gtggcatcgg	ggatcgagaa	gcatcaagta	cagatggaga	tggtgaccgt	180
tgacgcatgc	tttgatgatt	cgatacctg	ctttcttcag	gggatctggg	gtaggctgat	240
ccgggagccg	aacgaggctt	tctcagggtg	ggaggagctt	gaagatgtgt	gtcgatagta	300
gttactctgc	gatgcggttc	gcgaatggga	cttgccgggtc	gttgcatgaa	tagagggtatt	360
ggcttcaagg	ggctcggttt	gaagggaagg	ccgttaatag	gatcaaagat	gtcnacccaa	420
atgacagact	tcgaagtatc	tctgaaattg	ctcgaagagt	tgctggatgt	gccttcatcc	480
cctgttacct	catctccagt	gcggtaaat	ggcggttgcc	ncgcggaaac	agactgtnta	540
tgtcaataca	ctgaatcaaa	tggcagttca	cccttacctt	taagctcctc	tcattgggtgg	600
taaaaaaaaa	ncc					613

<210> 1963

<211> 621

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(621)

<223> n = A,T,C or G

<400> 1963

gactatagtg	catttactaa	gtattcatat	ccatactcgt	gctcatttgt	atTTTTTTTT	60
ttcaatcctt	gatccatctc	ttgagtgnCG	atctccctct	tacccgtacc	cctcctgcag	120
ccttanaaca	cgcagaccca	atcccaatca	caaccccaac	ccgaccgccc	acgcgcccga	180
tttaacgtct	ctacttccac	ctcaacctta	accttcccgc	acccgcaccc	gcatgcatac	240
aattnaacgg	cctctcggca	cgattagcta	tcagagccac	ctggccgtga	gctcttgctc	300
caaggctcgc	gacgtcgggt	tcataagctc	gacgtcgnta	tcgaccttgg	accctgggtcc	360
tgatgccttt	ggtaacacgt	ctgggaatgg	gtcgccgggtc	aaaatctttt	ccacgctctn	420
taacgttaca	naagctcctg	gtcctacaaa	ctcgacggct	ccaacactnt	tgataacatc	480

gggacatcct ntccggcgag tttggcgggt tcttcacttc caacctcaac ggggacgtca	540
cctacgggat ttgnaacctc tttaccccc anggttcttt tgcgcttaan ctccggtttt	600
ttacnttggg caaccnaaat t	621

<210> 1964
 <211> 587
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 1964	
aacaaggtca gcgaagaacg gtgatctccg agctcagaac cgagctctca tggatgagaa	60
caagcgtctc acagacctta ctgcgatgct tctctcttcg ccttctttct ccaacttctt	120
ggacaacctc agcagcaacc cggccgcgcg tcagcagact cctcagctca aggtcgagcc	180
ccagcccgaa cagcgacagg ttcccaagga catcaacca tacaacgctc agcagtcttc	240
tcagcagcag attggcatgg ccatgatccc tgagcagaac atggacttct ccatgcttac	300
ccttgatggg ttcaacttcc aaccccaagt ctttggtgtc gacacacccc aagttcccga	360
agttattgac gctgctgttc tctccggcaa gtcattccaac tttgtcgagc ctatcttcga	420
ctctgaagaa gaaaagctcg aagttcccgc catccaacgc cttggttgcca accctgagat	480
ttctgaacct gtcgacgctg cccggttcga tgctganttt gaagctgaac ccgaatttgn	540
cctgttccat aatgaanccg ctaccaccgn caccgaatca accaagg	587

<210> 1965
 <211> 646
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(646)
 <223> n = A,T,C or G

<400> 1965	
caagcttcat caatatacat caaaatgaag ctcaccattg ggctcagtgc agctcttgca	60
ggttttgctg ctgcctctca ccaagccgct accaatcttg ccaaagttta catcctacga	120
ggatccacc atatecgagcc tacaacgagt ctcaccccgga gcgaagcacg cctcatcctt	180
caccagcgtc tcgcccccgga aggagaggga ccttcattcc gcgatttcac tgaatccgac	240
gatgaggaga gaatcatttc tttaatgaac aaatttggca aaactcctgc gccattgttt	300
tccgatgaca cgaccgcgac gccgcgccag ctagtattca acattgatgg aatgcctacg	360
ttcgagtatg aatcgttctt tggcttggtt cttcaacaca aagcccgact ttactttaga	420
cccagacaaa gagatgggga gcccctgaat ctttcaaacc gttgtcgcca agagcggaat	480
ntccctgagc agatgtccca tggacancac ttgttcaacg gcaaactt tgcaactata	540
caatccagat gtgatcccca caccctgaca actctagctc aaaatcccna tcgnaatgcc	600
ncccttatct cctccctgtg gcatncaaga aattgggaga cagact	646

<210> 1966
 <211> 501
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 1966

ccgcaggaat	tttttttttt	tttttttttt	tttttttttt	tatcgttcaa	taaaatcatt	60
tctttgccat	catctaagtt	ggtccaatac	tacgccaaaca	actccgtgtc	tagatcaaga	120
gcgctccgtg	taaacccctcc	cattttgcttc	ctggctttgt	gatgttgaag	cctttgttat	180
actgcccaat	gcccccaaaa	caaccaatcc	atcaagtaaa	ttttgtgtat	acgcctgcag	240
tgctgcgcct	tcgtccctga	aaaagaaagt	gtaccaatth	atagttgcac	atcgtttgtg	300
agcaaccgga	cctnttcacc	tggcttgaag	ggtggaagg	ccatttttagg	gccttcattn	360
caatnggaaa	gcntngccaa	gtggcagttg	ccacacgagc	aaccttgccct	gcactgngaa	420
gccatctcgg	caggctcgctg	gtgcaacttg	atgctntgac	tgttgccggct	gtggcaccct	480
tgcggcgtnt	tcagcgga	g				501

<210> 1967

<211> 792

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(792)

<223> n = A,T,C or G

<400> 1967

ctctgatacc	tattccatgc	aacctgctat	tcgcaaacgc	atatattcga	tgagggttga	60
gggccataat	tcagatctct	cgccgagagc	cgatacttcc	tttaaggggt	atgttcaaac	120
cccctgcct	ccgttcgaat	aacctggtc	ttgaacaatt	ctcgtccgcc	aacaccaac	180
cctccccaga	acttcaaact	ttcccatggt	tatacgccca	taaaccgtcc	tccgggtccat	240
cgccctcaga	attggatgct	cgacgtcgcg	ccgctgaacg	tcgctacttg	aagggtccaaa	300
gtctactaat	acctaggcag	tacggcattc	aacaacaacc	gactgcaggg	ccacattcac	360
gcatgcaaac	aaaacgtgca	tcacatctct	cattgcaatg	catatattcc	gttttaggcg	420
ctgcaggagc	gttcacgctg	tacttggtta	agaaattcng	catcgtgctc	atctctctct	480
gacctgtgga	tttgacgcat	gaggtaaagg	cttacatnag	caaaacttac	aatatccaac	540
cgccacaagc	tcaccatcga	tccaaagtgt	gggttacgtt	ggncaatccg	caaaactctt	600
agtcctgtcg	gacctcgtcg	tcgncaaaat	gtgaaaaatc	atcttgatga	attggttcga	660
cnaaccaacc	actgctaana	aaccctggg	ggactggngg	gcctttatna	aaaatgaagg	720
gggggttaaa	ggttttttaa	ccttgaaagt	tntttttttt	ttagggtctg	ttttctttaa	780
anaaattgtc	cc					792

<210> 1968

<211> 649

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 1968

ctgagatggt	cccttnttta	tctacctaag	ccgaagctaa	ggtacaacaa	gacangggag	60
gcatntttat	aagcaacgtg	ganaccaag	cttaatectc	acggcacgaa	actgtgcgcc	120
atcataggca	accaactgcc	taccatcagc	ccatcaatct	caacgtaata	tgaggctttg	180
agtttgactt	tttcatcttc	aaagtaatat	ttctgctatt	cgacgagact	ttgttttcct	240
tctaccacaaa	gtgcatccaa	aataaaaacc	cagctattcg	gcttgccact	tccttccgcc	300
attacagccc	tactaaggca	accaagctcg	acagcccaag	tcaagacgcc	ttcaggacaa	360
ggaacggacc	ttgaaacaat	caccctgtct	ctagtgcata	aaggctgcct	ttttgatctt	420
tatcttttat	cctnnggctg	cttcttgcta	cgaagcctgt	gatggaataa	aatctcttcc	480
tgttctatta	tcacctcggt	atggaacaag	caagatcctc	aaactttccg	ccttattcta	540
ccggggcccc	tgatactgaa	caccgatcaa	ctcgnacgtc	tttattggta	atcaccttga	600
cctnnggccgn	ttacaccanc	ttcccggggc	ccaccccacg	aanttttttt		649

<210> 1969

<211> 611
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 1969
 aattttttttt tttttttttt tttaaatggaa agcgtcgatt atgctatcaa tgacaatttc 60
 gtaatcaaatt attctgtgct ttctgcggat cataatctac cttcggctgg ttgaacaaaa 120
 tccagtgtctc tcgtgacggt tagactcgtt tgatgaagat cctgagcgac caccatcc 180
 tccgcccatt cctgatctc ctcgtccgaa actgccgtag tcattgttgt gattattgta 240
 ccgatttttg ttgcgttggc cagccagata tcctgcggca gcttctccac ccgcaccgtt 300
 cagaaaccag gccttcagga gttacttgat tgagaagagg gcttggttcc ngggtatgga 360
 gggggaggat cgtcaccatc ggggaccna accaggaccc cattcaccaa aagaccaacc 420
 gtcaccacgg cgccgangtc tgnatgggtt gctgncanct ttctgcgctn tgtagcatgc 480
 cgagtagata atcancccca gtacgccaac aaaaatgatg gtaaagaaaa aanctccnca 540
 atntgtaccg gccgcgggca tnactgaacc aaccttcgtt ggcgatgtta ngataacnac 600
 cttcgnctt t 611

<210> 1970
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 1970
 tcatttcctga gacaaagggg acaagggtgc acttggttcaa atccggatct tgcagagggc 60
 ggaaatcctc aaccacaactg attaaactct taactcgaac aggagcacia catagactag 120
 aggcgtctac catgccaact ttggcgcttc atctttgaaa tctttcacc ttccgtcttg 180
 cgactttgcc ctgcctggct gttcctctca tttgtgattg cgattattgt tcagtctctt 240
 ttttttatct taccaccact gcgcctcaat ttcgactcga tctttacata ccatacatc 300
 gtacgccatt cctcttaata ccgaccgtct gccatcatg tcgtacctc tctactccat 360
 ctcatctctc tccattgtcc tcggcacgaa tctctctctc acccgtgcca ctggatcctc 420
 acctccaaca tatgcgaact cgactcccng cgccgantac attactcgcg anttcccaac 480
 agcttgcgcn gcganacaa gctgggtctga ntaatacact ttaatttctg gaaacttgaa 540
 tntggcgatc ngcccggctc gacanacacc aaggcgaagt ctgcttctg 589

<210> 1971
 <211> 392
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 1971
 ctactgctat cgtctcaagt tcaggcagcg cccccaaggg taatcctgag ggcacagatg 60
 aactgagcc cgctgacacc accaactgtg ataccagcag cttcaaccaa gaatgcggca 120
 agtcaggctc tagtaagagc agctctgaag atggagggtc caacgctggg tcaaggaatg 180
 gtgcgagtgc gttggccatc atcattgcag gcggagccct gttctggctg taatcaacat 240
 attcgtctga gtgttccgct ctgcgattcc ttgcatcga gtcctctctc accgtcttta 300

ttatatagca tctcactgcg ctttcccttc tgctaacata ttttttcatg ggggggtgggt	360
ggattagana ctttttgnat gaatcgcttt ct	392

<210> 1972
 <211> 439
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 1972	
nacntaaan atgcgttnta ccgntgctct ccgaatgttc aggcagaccc ntcgcatgnt	60
gngacccgtc cccaaggagg accaggctgg ccacaccatc tctcagcgac tccgaaagct	120
caagcagatc cctcctgagc tgtacccccct cgctgtcggt gtcggnttcg ctctcggcgc	180
tgccggctac tccatttctc gcaagttcat tgtcgacaag aacottccgt ctgctcgac	240
agggccctgc tgcgcgtcag gcaagcagcg gtcacnggtg agaagcgagg agcactaaac	300
ttataccgaa gaatagaagt gactcttggg ggaatgaaat tggttgaata tccctgggacg	360
ggcagtactg tacattccan aacgnacggt agcagggaaa tccgtcagac ataaaatatg	420
aatttcngtg attgatatt	439

<210> 1973
 <211> 512
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 1973	
aacacctctc tcttcaactc gcgacctgtt ctcacctctc aatccagccc gctctcgta	60
ataatcgcat tgcaaccatg aagattctca caaaggaaga agaggaggcg cattattcgg	120
ccgtcgtaaa ggggtggcttc atcggaggca gtcttggtct tgcaatcggc cttggaggcg	180
ttgtccttgc ttcaaggcga taccctgctt tccgcggcct cactcttccc ttcaggacct	240
tccctcgtaac atttgccggt acattcggcg ccatcatcaa cgccgatcgg tgggtccatgg	300
tttatcaaaa gaagcagaac cctttgaact tttacgggga cgagacttag ggcgcgcagc	360
aaattgttcg ggagaaccat actggaatgg gggcgtttta tggactcccg gaaagggaga	420
cccgatactc tttcggtttc gtctcatggc ttgcttncat gggatgatgat tttgccatgg	480
tnaggccggt cgnccatgaa cacagccaac aa	512

<210> 1974
 <211> 767
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(767)
 <223> n = A,T,C or G

<400> 1974	
ttgaaattaa cacatcaaca tacttggtatg atatcataag acgtcaatac ttttactatc	60
cggataacaa caaaagacag cccgagtgcg tctgaaccga caaatactca catcaactac	120
accatatata tacataacct gaaaatggcc accgagaccg agactttatc cttttcacta	180
ccaacgagca ctgtcccccac cgacgtttct gagtcaacat gcattgctca ctctacgccc	240
tttcaccaac aaccttcggc atatccgcca cagaacatac ccgccgagtg ggatactagg	300

ataccaccaa	tgcaaacacc	tgcaacgcac	gcgcaacaat	tttgtagcga	gggctcatca	360
cctggaagcg	gaagcggctg	tttcaatgat	gggtggtcttt	tatacagggg	ccaggctgag	420
cgagaatgtc	gggaggggacc	cggcaaaaact	gtcgaagagg	cttgccaacg	ttcgctaaat	480
cactttcctt	gcccggggact	cgcttttccg	atgccagctc	tcgatttcga	ttttcgaatt	540
gcggttcggt	tgaaccaaga	cgctgtccat	ggtgagtcag	gcaacaccaa	nggaaatcac	600
taccgttgca	agccggtggt	atnggtccgg	atcnttttggc	caccgccgtg	tcattgcaag	660
cggttatgat	cttggtcaac	accngttttc	gggcccata	agcttggtga	aggccctttg	720
ttntccanac	aaatgatgaa	aagnccgcac	tactcgaaaa	tgcgcac		767

<210> 1975
 <211> 102
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(102)
 <223> n = A,T,C or G

<400> 1975	
naaggccaat	ctgtaattgt
atnatggata	ttggatatng
gtntgcccctc	ctataagagg
atngagatnt	gggaatgcat
cgttttggca	ga
	60
	102

<210> 1976
 <211> 846
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(846)
 <223> n = A,T,C or G

<400> 1976						
aggaattttt	tttttttttt	tttttatattg	cgaccgtcta	tattttataa	gtccaacctt	60
tgacaggtgc	agcggaaatc	aaaatctagt	ctaaatgaat	ggtcgctagt	atgaagtatt	120
aaatgtaaaa	attagcatat	ctataaagtc	gttttgcata	tcgcgttcgg	atctcatata	180
atgcattccc	ccaatcccgt	catcgctcgg	cccaatcaca	ttggtgtcca	aagcgggaata	240
aaaacaaccc	cctatatact	aacgccgttc	gctttcacga	acaaaaatca	aatcatgccc	300
aagtgttatg	cttttcatgc	atcatgtaag	gatcgtaaga	agttttgaag	aaagaagtaa	360
ggtggagttg	atcaatcagt	taatcgatca	accagaagaa	ggtccaattt	agatganggt	420
aggcagcggc	gaaaccgaca	atggccaaga	aaccagtgac	ggggttcatg	ccagcaccgc	480
gcagtnacag	gttcgggaac	ataagaaggt	ggaaggctcg	tggtccctcg	ttaaaagtcg	540
gaaccgaacc	gganccggan	cggganganc	tgtcaccacc	gttgctaccc	ttgcttccac	600
tgtoctatcc	ctcgtcgcca	ctgtcgggtgc	cgtcgtcatt	gctgggttgc	tcgccctgag	660
gagtctttcc	accctcggaa	cgggagtgag	gaggaggagg	agcgacaccg	gtaggggtgag	720
caccgccaga	aggaacgggg	tggtaggtgt	gggaagggtg	aacagcggtg	ccgttggtggg	780
cgtgatcgac	aggaacgggtg	taagtgatgg	tcttgctcac	actctgcccg	tggttggtgg	840
ggtgag						846

<210> 1977
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 1977

ngataacatc	aactgcctgg	agctcatttg	tacctcccc	aaaacgatcg	aattgaaacg	60
gcgatcatgg	gtgtcaaaga	tctagctatc	agctacgtgg	tattcacggt	cattcatttc	120
ttcctctttg	cccttgctct	ggcaacctgt	gggtctatatg	gcaccgacgt	ccatcatgcg	180
aaccagcagg	gcaagtactc	cgactcgaaa	tgggtctacg	ccgtggtagt	tggtagtatt	240
tctgctgtga	cgtgtgtcct	ctacttcgtt	ccctttgtcc	tgcgtatcgc	cggtgtcttt	300
gttcgggtat	gggactttat	tctcttcgtt	ctctggatcg	ccctttttgg	cgtgttcggc	360
aagatgtata	tcaacgagga	cgctgaaggg	tgatggaaaa	cgtcagacgc	atgaaagaac	420
gctgtctnng	gttgaaactc	ccagggccct	tcttctgggt	tatcgcaaca	attggggggc	480
tttcggatac	tgggtggaag	catngngaac	atagancngg	gctttactgg	gcgcgcttaa	540
cggtttaaat	taaaatatng	ggccccagan	attgcattgt	taacgcccc	taataagggg	600
naaggattaa	acnaaagccg	tnggttcgna	cancg			635

<210> 1978

<211> 633

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 1978

cgaccttctt	tacaacgctc	agcgtccatc	tgagatggct	ggctcgcccta	ccacaccccc	60
tctgatcaac	tttgagcggg	gccgtatcgc	cgctctgttt	gtcaagacac	tgctcagact	120
gctggaagcc	agcactcgat	acaagttcca	gcctatcgag	ggcatcacag	agcgtgtgtt	180
ctggatgagc	gccttgagcg	acgaggatat	tcgacgccac	tcggagatgc	tcgaataaac	240
ctacacaaac	atgtcgatca	cccacatttt	cataacacat	cacacatatg	ggaacgataa	300
ttacgattta	tgacacaccg	actcgacggc	gtttcatctc	ctatgtctca	aaatcatcac	360
aagagcatac	ccagcatgtc	tctacattat	accccatctc	ctacatcgta	taatcatcaa	420
ctggctacac	aacaaagcca	tttcattctt	caactactac	atacaacata	atcattatca	480
aagcatctgg	gactgcagca	anggagttgg	gaacctttct	ttttttactt	tccggttcca	540
ttttcacaag	gaaattcatt	gggggtttct	aggnctaatt	tcaatcatac	cccgcacagc	600
gcaaggggca	aacctggcgt	ctggctcctt	ttt			633

<210> 1979

<211> 609

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(609)

<223> n = A,T,C or G

<400> 1979

ctttnatgtt	catgangctc	ggaacggctg	ntgggtgtgta	tggcagcttc	tttgttgatg	60
tcatcccnac	catctgcgat	tatcttgata	tctgggtgct	gaccatcaag	cacccttatg	120
tcgagaacga	angacccag	gccaacggta	ctaagaagga	ctagataatt	ccttacatgt	180
ctagacctgg	cncgacagca	ggattctgaa	aatcaagtc	ttgttttgcc	tcgtcgacct	240
ttcagtcgtg	catctcgtct	gaacactgan	gcatgaatga	cttattgaaa	gggaaataat	300
ggaaacggtta	tccaccanag	cagagaggag	agaacagaaa	nggggttactt	atcttaaagg	360
ggggagaaaag	aaagtaatat	cgatgggtac	atagaccgac	gtttgagaga	catgggttcn	420
ggtaggttta	acgaaggaga	tatgtatgat	tttacgacna	anggttttg	gttttcttct	480
ggagttctnc	agcgtatctt	tgggttgat	tatttgacct	gaaanggtgc	cagtggcttt	540
caaggttgga	gttttagtttg	gnttaccggn	ngctcttttt	gttgtaaaaa	anacccana	600
nacaccccc						609

<210> 1980

<211> 530
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(530)
 <223> n = A,T,C or G

<400> 1980
 gacagaacaa aactcaatag aaatgactcc tccggatttc aaatttgtat ttgacgagac 60
 tgtctcanaa tggaacgtca accaccgcga atgggtcaag acgcacgaca aaacgtggga 120
 ttnttttagcg acaggagccc tcgtntttga cgcctctaac cgtattctcc tcctgcagcg 180
 cgcacccgat gacagcatgc ccaacaagtg ggaaattccc ggaggagcat gcgacgacga 240
 ggacgagagt gtctgcatg gttgtgtgcg cgagctctgg gaggaacag gtctagaagc 300
 caggtacatc cgtcacgtta tacctgacaa ccaaaacggg aagcccgggc ggtgtttacn 360
 aatcgccagc gcaananatt cttttgcaag tttanctttg aggnnggatgt tgcttttggc 420
 ggatgtgaag ctggaccgga aggagcatca ggattacgtg tgggccacaa aagaagaggt 480
 taacagcant gccttggggg aaanggagat tcntttacca atgccaatat 530

<210> 1981
 <211> 385
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 1981
 cgcagcaaac cctaagactg gtattcctgg tcaccttccc ccaggaccaa aaccatcatt 60
 tcctcctcca ccgtcattcc ctggactcgg ttccccaaca ttggcggcag atatgcaggg 120
 ctctcatggt ggccgaacag ggacggagac gggacgtgcc agaagccgag cccctggtgg 180
 acgcgggcca cgtatcgggg ttatgccaca accttctcca atggcgtcta tgctgcttga 240
 tcagcatcat caaccctccg ggggcaatat ggtcgcacgg agtctgtatg catcaaggta 300
 tccacnaagg tatcgggggg agagccaaat tatcgaagaa actgaagcca gtgccatcag 360
 gcgaagcggg aagatgatga actgt 385

<210> 1982
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 1982
 ctcccgcgcaa cctcactcca gcttcccgtg tcccattctc aacttgaatt ctttccttct 60
 tctccatoga gaagcattat tctcactccc gcgactccaa aacagtatca caaactgcaa 120
 taccatctat tcttaattct accgcgtttt gcacatttgc gcttgtaaag cagactcgct 180
 ttgcgacaac aattgttacg tcatcatcat gtcggacgga atcgctccag ctatagacaa 240
 agtcggcgca cctgcacctc cgcccccgga agctgaggct ggcgctccca ccttggggc 300
 agcagctcct tcagagccta ccaagtcaga ggagagcaag cctactggtg gtgccggtgg 360
 tcttcaogct tccgcaaagc ccgtcgaggg tgcttcgggt ccacaaacgc ccatcaacaa 420
 catgacccca gcaggtggga ctctcgacc tgtgtcctaa atcgaaaaaa aacccaagga 480
 ttcccaaaaag aacgaagatg anaatgcttt cgtcaccacc ggggtaaaaa caacctttgc 540
 cctactgttt ggaccnaatg atgtaaacgg gacc 574

<210> 1983
 <211> 679
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 1983
 cgactacacc atggagccac gagaggaact atatggtaga gatgccatga gcggaatgt 60
 ccacagaca tcaagctatc cgcaggett c atacgagcca caaccttctt atgaccagca 120
 gcccaactac ggtcatacca acggcaatgc taacggtggt gccaaagtca acaactacac 180
 tttacaaca gtgggagagg gtttccctag acttgatggt ggcgcgaccc atgagactca 240
 gccatcaact cgaaaggccg aatcagtgta cacggagcgt gactcagttt tgctccagac 300
 agacgatgaa gatgagaccc ctatgcctac acgaccgctc gggttaacaac ccgtccgaga 360
 gccataacac tatctcaaac ttgcacattn cttggcggat acccaaagag cagttatgca 420
 cataagcaag attttcgttg gcgtctttat tttcctttct ttagcttatt atctccttgg 480
 ncaactgngt atgaatggga cngacaaaga tgactagtct tgaanaatgg gcaagaagtg 540
 gtaaaaaggg ttggaaagca agtggtattg ntnggaggcg ttggcttnag tggggaagt 600
 taggngaat aattatnggt atttgggaaa tncctcgtt angtttggat ttggttatnc 660
 ttggatcggg tttcaaaaa 679

<210> 1984
 <211> 610
 <212> DNA
 <213> Fusarium venenatum

<400> 1984
 attttgttac tctcaaatec acccgaccgc tctcgttcat catcgttaca gtactgaact 60
 tatacagtag accgtatatc caccaattgc ttcgcctcga cgcctctttc tccgtctttc 120
 catcacagtt tgaacggaca caaagaaccg caagcgagaa aacctgacac atcatttggc 180
 acctaaatta cctagtgtgc agtcgatgat cataaaagag gggcagctgt tgttttggcc 240
 gaagctccag ctacactaca tcatcaccat agcgtggtta accttgtatt gtttgccttg 300
 tttagaaagt attctgtact gttcgttcag agttcactac ctgcgattgc attgcacaac 360
 ggtttaccgt cgctaacaag ctcaattcgc ctgcctcaga agttaagaca gattcacttt 420
 actttttacg ttggtcttta tttgaaacgg cagacctttt tgaaagtatc attgaggggt 480
 gccgggccac ctttccagcc accacaagcc aggtatagag catcagctcg acctatccta 540
 tccaaattgc cggactctgt gggaatgcgc caagcgtttg aatcctttgt ccacaccggc 600
 aacaagacaa 610

<210> 1985
 <211> 630
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 1985
 caaacaggcc atcgctaacg ggcaccaacga tactcccgcg gtttctcgca cttactcttc 60
 ccctaccgcc cgggatgact cgccagcttc ctccgcaccc cctccttacc aatctcccaa 120
 tgagcattcc tatgaggaga ggcaccaatc tatgcagctc gacttcgaag tcaagagtgc 180
 catttcccaa gctacaacat ccataagga gactgctgag ctgacctacg aggagcttaa 240
 agctaagctt gcccaagctg agcagcagct cgtctctctt aaggatagcg gtctccgtca 300
 gcgaaatggt aagtccgatt ccaacgacga tgagaagcgg cccatggccc aaactgcccc 360

agccattcag	cagactgtcg	aggggtgtacc	agtccagatg	gcggctatcc	tctgcttggt	420
caagcttcct	gctcgcttat	ttctttcttct	aaaaataana	agatggcagc	ccaggatctt	480
ctacaaanaa	actaatagac	aggcctgatg	acgcttatga	taactccact	gggaagcatg	540
gaattctang	ngcatatatc	ttcaaaagta	ccggaaaagc	aangcctgga	aagcatatna	600
taatgatggg	taggatgngg	caccantcan				630

<210> 1986
 <211> 659
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(659)
 <223> n = A,T,C or G

<400> 1986						60
ccagaacaaa	ttcgacactc	tttatcaata	ctttcaaaaa	ttacacaaca	tggtacaaaa	
gactgagaca	attttctcatt	cagtattcaa	caataatggc	tggtcttcta	cacatttgta	120
tctacctccc	gattatgaag	taaccgaagc	catcgagcta	tcccccatct	caccagcatc	180
ctgctccaca	aactctctcc	ccgattacac	agacatatatac	aacaataaca	cttcgaatcc	240
cgaagcaact	gacttctatc	ctaccaaaca	acttcagatc	caagcatccg	gattacctct	300
catcaggctg	cctttacccc	cacagccaga	tccccatctac	atcttcaatg	tgcaccaaac	360
aggaggacat	agaggggaagc	agaatacgtc	tctattcgac	cagctcgtaa	ttcaggatca	420
tgcttcctag	cccagacaaa	cgattgcgca	caaataccac	tttgcacgac	gacatatcgc	480
tttggaccag	gtaaaccctcc	caagatccgt	ctcgaaacag	aatcacagaa	cggaaaaaca	540
gaggatatag	agatcagttg	caagggagtc	ttgaccgtag	cgtagttatg	cgaactcatc	600
tcaatacctt	cgaatggcga	tatagttccg	cgctgagcgt	cgngccggac	aaacctttg	659

<210> 1987
 <211> 487
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

<400> 1987						60
ccccaacagc	actgacaatc	tccctgtgcc	accccaggct	gcccatttgg	ccaacgctgt	
cagcgggcaa	caggaacctc	gaccaatcca	tctcctccga	gttcctagct	tcaaccccc	120
tgcgttcgaa	gacgatatcg	ctccacctcc	tgctgccgag	ctcgttcatg	acgcacccga	180
gectgtgatg	acacctccac	cgcagtatga	tgctgtggtc	ggaactccta	gtgtagacgg	240
tatggccgac	tactttgcac	gactggccga	cgctggatat	gagggccaag	atgactcaga	300
atcggaacca	gatgattcac	ccccaggat	tctggacaga	actggacgtg	tcaacgtcgc	360
taaccctcga	actcctgggtg	gccggagaat	gccgagtcga	agcttggaag	tctccagacc	420
cagcattcaa	ctgaacatga	atgcactcca	taaccgactg	ggcgtgcagt	gngaagagca	480
ctacctg						487

<210> 1988
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(705)

<223> n = A,T,C or G

<400> 1991

ccagcataca	cacatcttct	tcaacttaca	ccacaacttc	aacacaaaca	ccaaaaccaa	60
ccacatcacc	aacatcatca	tcaatatgcc	cgcttacgag	tactgctgcc	agtgtggagg	120
catgattgtc	atcagcacca	cctgcaccgc	ctgcgggccac	aagcagtgca	acaactgccc	180
tctctgctaa	atgcccagtc	ttgacaataa	caaccccttc	cctactctgg	cctttctnng	240
aggctacaat	accacagaga	tgagagtcaa	aacacaccct	cgctctgacg	agacatgacg	300
acttttaacg	atggcgcatc	tcctttctct	ctacaataac	ccgntgcac	attcatcttt	360
cacttctcca	acttgatcga	tacccttctt	cgacattcca	gtatcagcaa	aactgggtcc	420
ttttcaggtc	tctgttaagc	ttccaatgtg	cctttctttc	tcgagaggcg	cacaaaggaa	480
ggaaatgacg	tcgatggctc	ttgtttcttt	ttttatgcaa	gcagggcggt	tatcaattgt	540
actagcttgg	ggctaaactt	gtctcgaaag	aggaatgggt	tcaaaacgga	ttcattttct	600
aagtgtacaa	catatcgata	cccgtgggct	nttttatggc	cgacttcttc	tcttcagaat	660
cgcagacaag	aataccta	acaaggcttt	tntttttctg	cccn		705

<210> 1992

<211> 573

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(573)

<223> n = A,T,C or G

<400> 1992

gccatgacca	tccgctccat	gcacgctgtg	ggctctgggt	ccaacgatgc	tatccgcaag	60
atcaagtctc	ttggtattgc	tttcatcatt	gccctgctca	tcatctgtgt	tggtcagtac	120
gccgatggta	tcctccacaa	ctggcatatc	tttacctggt	tctacgcctg	gtctggattc	180
aaggccactg	gtctcctcga	gcctgaaaaa	ctgggggtng	tacatccagc	tcactcccgc	240
cttcttcggg	tccggtatcc	tcgtcggtct	caacgctgcc	atctcttggg	gggggtgtac	300
cgctcgctgc	tgggggtctc	ttggctcctc	tctggttcac	tacggcgagt	gcactcngtat	360
tgaagtcggg	gaaggcaagt	gggaangtct	cactcgattc	aacgtcatga	acggcggtcaa	420
cacctgacta	cttctctctc	gcanactgat	gcctggccgg	ggtctggtcc	catgggtctat	480
cctcatccaa	ttctcctcca	cggaaagggt	tctcnanggt	tcaatttgct	tgcgcnaatc	540
gccnctccat	caaaacgctc	tcccgtgggc	tca			573

<210> 1993

<211> 659

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(659)

<223> n = A,T,C or G

<400> 1993

naaaatgggtg	gtcttcattc	caaggccatc	gccccggttt	acaaccactt	cgccncaagc	60
acagtgggtcc	cgacgntttg	gccnttgcca	aggtnaccgt	gancattgtc	aagaccccga	120
cgccaatatn	gnattactgc	ctgccacctt	atgttcttna	aggaaggaaa	gcaggtcggt	180
gtaatnggca	agccctnctt	naagggtgctg	accanaacc	ttgganncg	tggtgaaaat	240
tnggaagggt	acccaaaacc	aattctggcg	cttaagggac	acgaaatntn	aaaaaggacc	300
ccgggaattg	aaaaaaccca	aaaaaaaagg	gtttgaagaa	tttactccag	ggtttccgac	360

gaaatttgtc	atgggacgtn	aaattaaagg	accttttgtg	gtncctgcat	tcgggaagtt	420
aaggttaagc	gttttcgaca	ggaatgaggg	gtcacacgtg	gaggaaaagg	gggatcaacg	480
gtactggctt	ggatcgccctg	gatcgagaac	gagctacagg	atataagaca	tgactgtttg	540
cggatatatt	tataccccgt	atgacgtctg	ccgaatgagt	ttgccatcat	cgcgatnaaa	600
actatantcc	catggtatgt	tgttgcttaa	caatggggtta	tgaaggaatg	tntgttacg	659

<210> 1994
 <211> 452
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

<400> 1994						
gccagtttcc	ctgccgagcc	gcaaggggatg	cccatttcaat	catccatgga	gcctccggcg	60
cctctttcca	tggtaaccaa	cgattcagaa	caccacccgg	ttcgggtccca	gtacacctat	120
atgcagacga	cgactgcccc	tccgcaatta	tctatacaga	caactccgct	tgaggggccat	180
gagcaggcga	tgaatatccc	tcgttatgtc	gataaccoga	gaccttgaaa	agccccggca	240
tatgaatcac	cttcgataaa	gagtcgggct	ctgtagcgaa	caacgaacca	tccccggaat	300
accgatacac	ccttatgtct	ccgtgcacgc	gagtcacagt	aanttgctca	accaactacc	360
accagagact	ctggaccacc	ttcgggtgct	tccagaaant	actatgcact	ccgcacacct	420
ggactcngca	gtgganacat	aatacaaaatt	tg			452

<210> 1995
 <211> 898
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(898)
 <223> n = A,T,C or G

<400> 1995						
cacaaacaca	aaccaatcgg	caacaaagaa	tgcaacatcc	aaatncngta	cccctnctta	60
ccgctatata	cccttttnca	ctggcagctg	ctggcgggctt	gcctaaagggt	gtcggccctg	120
aaattcgctt	tactacaaa	ggcaaggaag	aattttcctt	gcatcaccaa	cgctgctatt	180
aagctcagtc	tcgatcgaaa	tcaacgataa	cacgtgcgat	tgccccgacg	gctccgacna	240
accaagttac	cgctgcctgt	gccaacatcg	atcctctttc	ccccgaacaa	cctctcgccg	300
gatactctct	tggcactacc	aacacgacca	atgctctttc	tggtattctgg	tgtgccaaaca	360
agggccatat	tggtatgtat	gtgccttttc	tctacgtcaa	cgacgggtgtg	tgcgactaca	420
aactctgctg	cgatggttca	naagaatacg	gtgggtgtcgg	cggcataaaa	gtgcgagAAC	480
aagtgtgcag	agatcggcaa	ggagtacaga	agattagaag	acgagaagaa	gaaggctatg	540
caaaatgcgg	ctaaaaaacg	aactgctatg	gtcactgaag	caaaagatct	tcgacaaaag	600
gtcgagaaca	aggttgccga	cctcaacaag	gagattgccca	ccctcgaggc	aaagaangag	660
gatcttgccg	agaaacacca	cgaagcagac	aacaagataa	gggcaaagtt	gttcgcggag	720
gtgacnaaac	ngcggnggaa	agcttggtgt	ctcccgatt	ggccaanaca	ccctnaatga	780
gcttcgcgat	ctctcgacaa	tgctgcacca	acgtgatgtc	ttaaggagca	atcggggagc	840
tcgaggactt	nttacaaagt	caagaccgat	tttaccacca	ctttaccnat	gaggggggt	898

<210> 1996
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(589)
 <223> n = A,T,C or G

<400> 1996
 taaggagtc tgttaaactg tacagccttg ctgcccacg ttgagataaa cacaattat 60
 cacaattat cacaatagcc tataatcaac ttggacggat ctgttagtta accaactcaa 120
 ttgtcgactc tagggcctaaa ttctatacaa tccaggggat caatcttcct ttccatcctc 180
 caagacaaaag aaacaagcaa acaacgggaa gacccatctc ccatctcaga atcctcccca 240
 atctcttcat cctcctcgct gataaccccg agctcaggac cacaatctac acccacagcc 300
 ggtcttgccct tgccttcttc ttgctcttcc tttttctccc cttccatctt tctcttctc 360
 gttcttctc caatcctctt cagcgctgt ttgacatcct caatgctctt cttagcttgg 420
 ccgaatttgt cttccatcac gatacagctg ctgcactttc tctgcaactt tcgcatnta 480
 ngcacgtgan ggctttttac caancagtct tggctgaact tgttcgctg gaantctcgg 540
 cggctctggca cgtctttaca cataaaccac agcgtcctg ggcgcagaa 589

<210> 1997
 <211> 1000
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1000)
 <223> n = A,T,C or G

<400> 1997
 gacagggtag ccttactgct ccacagttaa ttgatgcctt cttcactctn tttgccgaca 60
 cctcctnaaa cgctcttggg accatggtag gagaggttgc ggatntttac aaaaacaagg 120
 gcaaggccga cgctcttctn aaagcctggc aagattggcg agctatcaac gaggattacc 180
 ccacgcttgc ctggcctgag tggatgcat ggcccaacct cgagttcaag tgggtgggct 240
 ggcgcagcat cggccaaccc agctgttccc aatgccaaagg tcacccaaaa gtactcgaac 300
 cgtgttctca agctcaagaa cagcacaaga cttggcggn ccaactactgt atcctcaaag 360
 ngngcatca tcatggactg gtcgcctg cgttaagcgt ccaccccat cctccaacgg 420
 cgttcccatc tctccttct tacaacaact cctcctctgc atctcgctcc aactggacaa 480
 ctcccatcct ctcacatcg caatccacga ctctcaatcg ccctcgaact gctcccaaaa 540
 ccacaggtga agacgcttcc cgggctcttc cagcggcacc aaagcctacc accacaattt 600
 ttggttacgg caacggccgc gctgtacgac gtgactacgg aaaccgag acaaatttcc 660
 aatgggtag tggaccgagc acaccagctg acgaggagcc cgctgatgac naagcgggtg 720
 gtaagaagaa gggtaacaag aagggaaga aagttcttgt tcagtgggtg taaatgtctc 780
 gtatataaat cggatggcta aatagtgtcg gatcagatg tatgctcctc aatgggcana 840
 atagccgtcg ggttttggaa ctggataaat aaagtacna agcgaggcga tttggcggtg 900
 aaacattccn gnggaagggt gagtacnat atgtaggcgt gttataacaa gaatggaact 960
 nttggaccnc ctttgttcag gttaatnaac gatgttttng 1000

<210> 1998
 <211> 573
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 1998
 ctggcactgg tcaccttcgt tcttggaccc gccgcagcaa ccgcgagcat ggctctcttg 60
 gccctgagag ttggtatttc aacattttcc ccagccttgt caacttctt cgagatcact 120
 cagttggccc tcgctttgct ctgtcaccgc accttcacgc ccactgcagc gtaaccatca 180
 aggatggctc ggcaggtggc cacaagcctg tctttcacct gccccagca tccctgacc 240
 ttaaccccat cactgaaatc tttggcacta tcaccgctaa cttgaaggcc gacaaagcca 300

actccctctt	tgggggtggt	accgagtaca	ggatcgacaa	cattgtacga	nacacttggg	360
aaggcatctc	caaggantac	tcngtgagct	gatcggaaca	tccaacgggtg	ccangccgtc	420
attgacctga	cggatggtag	actccttttt	aacttcta	gacgggacaa	taacancng	480
gatttacgan	cagataaatg	acaataaccg	gacaaacttt	tattttattt	ttgaaaatta	540
caagctgaaa	aaaaaaagaa	cccgggacaa	aat			573

<210> 1999
 <211> 518
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(518)
 <223> n = A,T,C or G

<400> 1999						
ctcactgctt	caacaatgca	ctgccttctt	ctcctgaccg	ctgcgtctct	cgctgtgggt	60
cacgttcctt	cagtcagcgt	gcccgcgtgt	cccaaatacg	gcaccgtcaa	gttttccaaa	120
tctgtccccg	acggtgatcc	ttttccgcgt	accgaagtog	atctctgtta	cacagacacc	180
gctttgtccc	tacaattcac	ggccctagac	gaaaaatact	tttacttcaa	cgaatcccaa	240
ggaacgaacg	acgatatctg	ggcttacgaa	gttggtgagg	cgttcatcta	caagggaacc	300
gacgatccgc	agacctatct	cgagtacgaa	atcaatccca	acaacgtaac	ctaccaagcc	360
tttgctacaa	cccttccaag	ttcgtgctga	aggcgcttcg	tcgacatttc	ttatctcgga	420
cctgaagggtg	atggattgcg	nagagaacaa	tggacaggcg	gcaaagaatg	gtaanaagga	480
cagatccgtg	gggttgtaac	gnanccggat	tgaccocgg			518

<210> 2000
 <211> 617
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

<400> 2000						
ntccanttca	nttcgntttt	gcctgtcact	ccaaccctga	cgatgcatca	accttgcttg	60
atttggtctg	tggtaccctt	gctttgacct	tgacctacca	tctcatcact	caccaccatg	120
gaccacatcc	attcaattac	attacatcag	ccaccaatgt	ggaaacgaga	tgagatgagt	180
ctctctctat	catttctnaa	aaagcaatgg	ccgaagtgtt	ttaccttggt	ccactcgtgc	240
gtggccttcc	gttggcgctc	tgcgaccccc	tcgaactcaa	catccattgg	ccctcttgcc	300
ctcttggccc	tctgtgcagt	cgcaacaaca	gaggcgccag	cagcagttac	cgcgcaacta	360
accttatctt	cgacgcgcag	atgaattttac	tctaaatgaa	acaagcgttt	ntttctnatt	420
acactagcca	cacactctac	atgtacgcag	gacaccttna	taacaaanaa	gctcagccgc	480
aaatgttgac	cctncgcatg	catggcagat	gcactgatcc	cctttggggg	agtatcgggg	540
atcttnaata	ttcggtcccc	ggcacaacac	ttgggtcaat	cccatggaca	cgttcttctt	600
gcattatgct	aagtggga					617

<210> 2001
 <211> 936
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(936)
 <223> n = A,T,C or G

<400> 2001
acacctttcc cctccgtaca gtattttctca tttccacaca attctctctc ctactttccta 60
gatctgactc aacgtactct tctttttccct tcgtatgaat gcgataggaa gtaatttcaa 120
ctacttttat cgtcgtcaaa cccactagca acacgtatca aacaaatctc tactataaac 180
aatggagagc cttcagctat cccaggtctt ggccgacctc agcaacctgg gcgccgccga 240
ccctggagct gccgaggcca ttgtcagcgc caacaacgct gctcattcca gttacccccg 300
aaccgacgca actgtgaatg cctttacctc gagtccctct accaacaacc agaaacgtcc 360
taccggcctg cagcgccact gggtcatccga aaagtctgac aagtttgacc gacgtattct 420
ctctcctagc tcccacacag gggtcagccg aaactcagtt cctggcactc ctgcgccgcg 480
cgaatccgat ttcgaagaag acctggaaaag ggcaagcacg ctcatgcaac tatatgatata 540
tcgtttcaaag atcaagcagc aggataacag cagtttgctc aaggcccgtg agaagggttaa 600
cgcgatagcg gcgcgacagc aagctcagca agcagcggaa cgcaacatga aggcggncga 660
cgagctccga cgtcaacgat actcttttcc tggggctggc ctntaagccg aacgaccctt 720
catgaattca ctgtacatac ttaacganaat atgtggctca tgcgaaggga aatgcgcatg 780
atgtacgatt ttgacgtttg ccggaanggt tatttgacng cgttgggaca caaaagcaat 840
atgcntcng taatggatct gccctcttgc naagtttaan gcaacaagcg tttgactttt 900
aatattatat gaagtgatcc ctgttttgggt gccatc 936

<210> 2002

<211> 533

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(533)

<223> n = A,T,C or G

<400> 2002
gtaacgacta ccaaacatca aaacaaataa gacaaaatgg ccaaacgcaa gnagacaagc 60
cgtcgcacag agcgagcccc cttctgagcc ttccgctcatc acgaagaaag tcaagggttc 120
caaggttctc aaggaaaagc ccgtcaagga aaangcttcc gcgcctgcga agaagactac 180
naccaccaag accgcctcga atgcgcccga gacaattcaa atcgttgctg gctcctacga 240
tcgaatcctt cacgggattg gtagtgacag ttggaggcaa ggagaaggcc gaggtcgcgg 300
actcgttttt gtttaacgcc catacttcag ctatccgttg cgttgctgta tcgcccattt 360
cancgcccgt ccctggacag acacaaaagg tcatgcttgc ttctgggtgcc actgatganc 420
gcgttgaatg ttttcaacct atctgcgcat cccccaagcc naaaagaacc aggaacttnt 480
ggcccnangt ggctcccnaa ccgattctcg anaacncaa aaatccaaaa gtt 533

<210> 2003

<211> 511

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 2003
caacgtcggc gtcgccatga tgacctacaa cggcgacgaa tccttgcccc tcaacgttcc 60
tctcggtacc ctcaccaccg gcaagggtta taagatcacc gagctggagg tcgcacgtat 120
ctactccagc gttgagggtg tcaacgctcc caaggccgat caggctactt gccagatgta 180
caaaggacca agtgggggca ctgtcccttg ctagcaaaag agttcaccgc ccaagaaang 240
gtgctctcat taagtaccaa gcctgttccct ctgggctgga ttctctgccc tgtcaatgct 300
tccaaagtag tggtatactt tgggttttga cagacaacca cgagatcatc ggaagaatat 360
gtctatttta tggaaatgct tttcttgagt ttgtcccag cttgacttta aggaaagtgt 420
gaaatggngg gatatgggtt ttgatgtggt catatatggc caaaccgaca tgtncattat 480
atnaaagaca caataaaaa acacntact t 511

<210> 2004
 <211> 588
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

```
<400> 2004
cttcattctt atccttccaa attaacagta ttogagctaa accctcggac catatcactt      60
acaccaagtc gatactcgga acaaacctcc atcatgagaa tcccttacgt atctaacctt      120
cctgagacta agactgagga gcatgctgct attgtgaaac gcatagagga gcgccgtgct      180
ccccgacctc tccaatcttt ggatttggct ctcccttcaact cccctcatgt tgctgatggg      240
tggaactcgt tcctcggcgc agtccgcacc aaaacgtcgc taagtgatga cttgcgggag      300
cttgccattt cccgagttgc tgtgtgcaac aaggcatggg acgaatggaa gcaccatgca      360
ccactggcag tcaagggtgg tgtttctgaa gctgggtcttg aagctattaa gcaagacacc      420
cttggcgagc gacctgctga gttgtcagan aancagtggg ttgtaattct cttcacggat      480
gagatgacna agaattgtca agtcaaggat ganactttaa ccgtctacaa aattcttcaa      540
cgancaggaa attgtcgana tccagcgaca gtggcatggt acactggt      588
```

<210> 2005
 <211> 102
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(102)
 <223> n = A,T,C or G

```
<400> 2005
nttacagcgt cggngacttg gcanaaccct tgccgttact cacnttcatn gcttnccacac      60
atcccccttt ttgctagctg gncgtnataa gcgaattaag cc      102
```

<210> 2006
 <211> 567
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

```
<400> 2006
ctcttttgggc ttttcttttc ccgtgtgacg ctcgacaagg acgacagcat taccaactcg      60
cctactatca tcaaacctcc atcatagcag taagcatcaa cccaaacttt gtcgcccgcg      120
ccgctcgttt cagcctcatt ctccgaattt aagtcatgtc gctagtcatt gtcgcctcca      180
ccagactacg atagtgtgtg tgttggtttt gttgctttta ccgccatctt cctacatttt      240
atctattctc tagacgccc a tggccaaaaa ncgaacngtc aaaccacgca agggaaacacc      300
agcacgtcnc aaccaatctc agacgaacac catgtcctcg gaagantcgt acgctgtaca      360
gagcggggcga caatccagcg acgggacacc aagtgagcat gccaacagtg acggaaataa      420
tacagccatg aacagtatcg tngggaacag acgaagancc tcatcatcac aatgactccg      480
aactcgatga aagatgttga cgaagaanan atgatatcca tntncttgcc tcacnatacc      540
tggaatttct gcagcccatc aagttga      567
```

<210> 2007
 <211> 398

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 2007
tttttttttt ttttagcgctca tgaaaatttg tgtctaaacc aatgccagtc gtcctactnt 60
atataatccg tccatacagg taccctgtnc ccctactctg tctgacctc actcatagat 120
cgaatcttnt tttttcttcc tcgcgtgctg naaatcaagg cgctcaggcg gnggcaggct 180
ccttgctcctt gncctgngg agngngaagg acttgccgnc cttcttcttg agatcctctt 240
ctttgctcctt cttgangggcg gcctcggcga caagttgctc aaagacnana tagtctccct 300
cttctcagg agatcgctca gccctgatna aaacgtcacc gataagaacc agagcttgng 360
cgcgctctaa tcgcttgngg agatggacct tcttgctg 398

<210> 2008
<211> 595
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 2008
gtcattcatg ccaactgccc ctcaaggcca cccagggtcac cagtctttga tgccttcacc 60
cgatcctcaa cagaacgcaa ttcaccacac ctttccaaaa cacaaaaatg gtgccttccc 120
aacaattcac ctcncttca aggccttcgc ctgcatcgtc ggctcactca cngtnggggc 180
catcaaaatc ncaccngatg ctcnccagc acngtcgccc ttggaaaaac cgtgagcttc 240
cgctaccacc tcnctcaat cttcaaggaa cacgaaaaac gnggaaatca atgaaggga 300
tttcgaatat tccccngccc ccnctgattt tttgaatgaa ttgggaanaa ttctcncaag 360
gcgctgttnt ttgaaacaag cctggcccaa caagcatanc ggaaccaccc ccnaatggg 420
ggngtgggt gcagtatatt taatgaaccc ccgggtcgcc tccttgagct cccccccaa 480
gccccctttt tgaaactttg ggaattttac cgaanccaat tggctttttt tgtttacccc 540
aaatttgggt ttggnncgt tttttcctt gaatcnaaca tttatcgaaa tgctg 595

<210> 2009
<211> 197
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

<400> 2009
ntttggncaa atgccnagag ggggggggnt ccatnaaanc caggtnaata anaagccgga 60
gaagggaggg ggggggggcaa ataagcanna ttggttgaa aggggggggc caggngggcc 120
cggggggaat ggggccgnct ggggaaggcca atngccatta aaaccggana atgggtcccc 180
cgggccccgg ngggggg 197

<210> 2010
<211> 376
<212> DNA
<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 2010
 cggggagttt cccgtanaca caactgaagc ggctaccacc actgcagatg ctgccccac 60
 cattatccca agaaactttg ttcgaagagg tcatccagag atagttgtca gggatgtcac 120
 cagcggagag cccgctatga ctaccgaaga ggctgccacc actaccgaaa ctaccgctac 180
 cacttctgaa gatgccacca cttntggaga tgccaccact caggcgatac aacctcnact 240
 tntgaagaca ccaactgntac tacaagaagg gccccaccac cacagaagaa gctaccacca 300
 cagcttntga aaccgncccg gttgcntaat acatggnaaa gcctcacctt aangcgctan 360
 tgggtgcaa gaggggt 376

<210> 2011
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 2011
 ctctcatcgt acatacttga tcatacttca cttgaagagt cgcttccccg tgcgtgtcga 60
 gaaacgatcc acgccatcgt tttgctgcgc atgccaaagc tgctgcacac ccacacctcg 120
 actctctccc gaaactcgat agcgtcgcca ggctcgcgt agatgatcag gtcgtaacgg 180
 accgcgcttg agatcgactt cctcctcagc tgcattccggg tcgtcattcg tagactgtgg 240
 cggcgtaggc agttcgcttt gtttctctcc cgcgtgaatc cactcgccctt gaacggttct 300
 cgcagcttcg atgatttctc ccgcaaatag cttggctacc gcttttgacgg ctgtgctgac 360
 attttgaggc acggattggg agactgtggc gttgacgacc tatgactggt agcaacttgg 420
 tttatgatgt aaacgcagat gtcgcttact cgtttaacga cactatcggc tnatttgcc 480
 ggcgcgcaga actcatatcg ggtgnactgn tgagagtcca atgccttgac agcatagctc 540
 gtaacgaatc tcctcttgct tntgctctga gttcngcaa caacatcttc aacgncattt 600
 aagctttcat aactttaatg gcattttcnt aaca 634

<210> 2012
 <211> 558
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 2012
 ctttccaact ctttttagcaa tgtttccttc attaatgatg tcgtaggtca tgtcgcgata 60
 gtctatgctc cttttttgccc tctctcaata gntgccacac atactaccac ccgatatact 120
 ccatcatcac cgatcgaccg ttcaattcgc ctggtggaat ccatcatgac ctaccattaa 180
 acgaccaact ctcccaatct acatacataa tccaaccgca acgatgctct cgatatcgcc 240
 ccgtntttac atccgacatc cctctccaac aaccgncgaa ttactgnaa cgacccttcg 300
 gccactcccg ccagcattac ataccctngg tctactttct cgnggggcct ctccatcttc 360
 acccttnttn ttctcacgca cgcctaacc tccatccact actcgcctat gctgcaccgt 420
 ctnttntgaa gancataccg ccctnttacc tccgngcgcc aacatnaatt ggttccgcgc 480
 gcangataata ccactttcat acttgttcca gccagtataa gctgngctat ggntgccaan 540
 aaaaagggct ntgtgagc 558

<210> 2013

<211> 519
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

```
<400> 2013
cttgctcgag gagattgccc gtcggcttat gtccatcaat gtctctggtg ctggaactga      60
tatgcaaaact cccctgactc tcatggagtt tcccattgat acagttggtc agttccgctc     120
tcgtatggga tgggtgcacc ccgaaagaat ccatcattcc ctcagttcaa ccctcgcaac     180
ttcactgtcc agganagcat gccttctact gaacactatc tgtatgggaa ccttgctttc     240
agctacagca ccgaggaaat gcccatgctc aacgcctcag gacgccacct tctgcagtga     300
agcccgtgg ttctatcacc ttacccaagc cagcaatacc tcaatgttcc ctccccagct     360
tacacgggga ncttacagcc ggcattcctcg aactttgaag gctcagttgc gttcagcgat     420
accgangaat acggatcatg gganatganc acctccaggg gggggccttc ttcnccatt     480
catgantctc ctcaaaacta tggggtcggg atgaaaaca                               519
```

<210> 2014
 <211> 554
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(554)
 <223> n = A,T,C or G

```
<400> 2014
gtttgggtcc naaaacttgg gcctggttga ttttctaana cactgggcat atcaggcccg      60
atttgcttca tcgtcccttg cgccacggtt gaacgcaccc tgcccgggaag atatccgccc     120
tcaagcacag gaaacccctc gtgagatccg gtacgatgac cttcttggtg atcgatatga     180
tatgcagggc ttggactgga attccatgaa taccactcgg aggtatgcgc gtcagagacg     240
caatgacact ttcaagaatt acgtcaacaa ggacggctcg gatagatgga gtcctcacat     300
ggttgacgtt gacatcccat cttcggagag ttttatgaga ttaaaganat acatcgttcg     360
ccgagatgtc taccttgctc attttcagct tcncagggnc ttaacttgtc catcgacctc     420
acaaagtnta ctacccccgt aacgaangag tcacccgtat taacctcnct ttagggnaaa     480
ctgnggntgc cttcacaaca aatatatgac tggngttggg actcttattt ttccttgcg     540
caaaccacgg ggcc                               554
```

<210> 2015
 <211> 495
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

```
<400> 2015
ncagctgggt tctgtaactt caagcgtctt tctctctttt cccacatat tcaccagnct      60
atctatctct ctctctatct cttgagtgcc gcttcgaata tcacgccatt gcgtattaaa     120
catcgtcaca atgaagacta caatctttgt cagcgttctt tctgctgctg cgtctctcgt     180
cagcgtggc atcgtgggta cacctgtttt ctttgaccag atcgttgaga agatctctgg     240
tgattgccct ttgggtgttg tacgcctcag ggctgcggtc gtcagcgtgg ttagagggtc     300
gtggttacag atggaaagaa agtattggat tttggttatg ggatagacct aagtctaggg     360
aactgttcaa cttggtcgta ccgttctttg atgaacggag aaataatacc attcangcgt     420
```

gtcttttggat ttacacgccca cacaagaac ttntggggac gttctggcna tactataggg 480
gaatatattc cacat 495

<210> 2016
<211> 539
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(539)
<223> n = A,T,C or G

<400> 2016
ggtcgacctc actgccttgc ttgtataaaa cgacagactg aatgcagata tgcgcatgtt 60
gctaattctac tcgaggagac cacacgggtcc gcagccaatg gcaggcgaat gacgaaagcc 120
acccaagaag aatcgggatc aagcgggaaag tctcctatcc caaatattgc ggatagagggc 180
atgtccaacg atcccagagc aacctcccg ggtgccgttg cactctcgat tggcctccta 240
tctaattgtc catactctct accctctgcg agtaacatct ttggcattgg ctctgaacac 300
cccttcgccca actactggac ctgtgaagcg gcctgtcgga agtaatttca gttcttcccg 360
acaagataca ngccgacatt ctgctcagtc gctactttga gtgtgttgac ccagtgtttc 420
ccatgatata tcgccaaaaca ttctacgcag attacaacac ttctggcnga tgagtcncca 480
gacagagnac cngatctctt tttagcatga tatctcatgc tncactggcc caattgtga 539

<210> 2017
<211> 658
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 2017
attgagccat ccatttccac ttgcgtccgt ctacactcca taacgtctcg tcggcccttc 60
tcacctacat cgctgatct tgtaaactcg tcaccgctac cccaacttc tctgctcctt 120
actacacaaa gtgtataagt agctagacac cgccgactct ttaccacatt caacaattac 180
caaccacaat ctccatcaca atgcctagaa tcaccgcttc cgtttccaag gtcactcgca 240
ctcttgccga gtgcgcatcg catgccgggtg tcgctctcat gcccaaatat gccgagctcc 300
ttggatcttc gtctgagcag tcccagcact ctgaggctcg tggctcaaga ctaccacccg 360
tccactcctn agcatncatc gctggtcgna cacggcctnt gatgcaagtc ctttagctct 420
tctgcatctt ctggtgcgcc tgggtcaacca acgttgacac catggtgttg cccaagatta 480
caggaattcc aagnttaaac gagccttttc cttegaatgc cacttttttc cggataacta 540
cgggttttac caaaaatttt atggctggat gccaccgaan ttgacaagta accgacctgg 600
nattttnggt ttttaacctgg anattggcng ttccnggggt tccaanggcn aaaatggn 658

<210> 2018
<211> 149
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

<400> 2018
naaacgggtga tggtagaag gttccaggtc cagggtggnga agatggagtt gctgtcggna 60
gaaatgacct tgatgaactg gccttgggaag agcttattgc cgtaaaaaaa gacatcgta 120

<210> 2019
 <211> 602
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

<400> 2019
 cgatgaccag tctcctgcc aacccccctga tgaacacccc gctgtcgctg tcgctggcga 60
 tgtctccgat atgctcgagg ccgccccgcg tcgccaacc gtccttcgtg tgaccgatac 120
 cgaaccacaag aagcagaaca agaaggcacc caaggccgag gtcctgttg agaccaanaa 180
 gcagcgccag aaccgcaaga aggctgaggc tgccaaggct gcccgtaag agaacgagaa 240
 ggaacgcaag gctctcgagg agcagcaacg ccgtgcccgt cgtattgctg agggacgtgc 300
 tgccaaggat ggttcgcagt tcaactgctgc ccaggccaag tcgtctgcct ggaaggaggg 360
 agtcccaag gctgcaacga tgcccccgcc gccanaccaa tggctttcac cagcctctcg 420
 atactttcga gaaggctcct ccacctnccg tgggtgcccc agggcgacaa caaatggatt 480
 gagtctcttt cttttgaaga ggaacanctt cacacttcaa aatgatgacn aatggacact 540
 gtnnaaaaca antntaaaaa ngntgttaaa acgcccttna antggttttg gcaaaaagggt 600
 tg 602

<210> 2020
 <211> 544
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(544)
 <223> n = A,T,C or G

<400> 2020
 cggagctgta cctccaatga tgagtttcgg taaccctaaa tctaattgtcc ttgcaccacc 60
 aaatacatct caaagtatta tgccgcccac tttgtctact gccaccccta ccaacaatgc 120
 ctcactctatc atccctgact ctcgagcaac cccttcgaca gcagctgctc cagcatcttc 180
 tacgacaaaa tcttcaacca gttcctaact cgtccactct tccggccaaa tctctactc 240
 tcgacaactc cgcagtagct caaacctacg aatcccagcc tcaaccatca accggagccc 300
 gaaatgctat agtatttcaa agctttgacg aaaatgccct caaggaccg tagcatccaa 360
 accagatcat cttcgggcgc aagangaata gctctcaaaa ctccctgca ccgctttgcg 420
 tcttcacaaa catcccgctc nggtatcgtg atcacgcact ggtctcacta ctataacact 480
 accttttcgag anatcaacgc ctcaccgcg gaaantacga tggagcatat cctgggtgct 540
 gggt 544

<210> 2021
 <211> 547
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 2021
 gtttatttgt taacactttg tcttttttcg tattttgtag gataacgtcg atcatgataa 60
 ctttgacatt gactcgccc ttgggtcaga cgctgccagt tttctatata ccgaatcaat 120

agcagcaagt	atcctcgaat	atagaacccat	ccaaggccgt	acctatcaca	gtgaccggca	180
tgatgccgat	tactatgctc	ccaatgacga	gcagcagctc	caatctgtcg	atatcaccca	240
tcactacctc	accatcctac	tcgacaacaa	gctcttttta	gctcccatat	cacctcacgt	300
ccagacagtt	ctagacgtcg	gtacaggatc	cggcatatgg	gcaatagatt	tcgcagacgc	360
acatcccagt	gcccagtcg	tcggctcgga	actctcgccc	tgccagccag	aatgggtccc	420
tccaaacgta	cgcttcgaga	tcgcagatgc	ctctctcgan	tggcctggaa	agatgactac	480
ttcgattttg	tcccgttcgc	tactgtttgg	ntccattcna	naaagggcac	actcttcgcg	540
gaaacat						547

<210> 2022
 <211> 572
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(572)
 <223> n = A,T,C or G

<400> 2022						
gaaaatattc	aattcgttca	acatgtcctc	tgaaacagct	tgctcctctt	gatctcccaa	60
gccagaaatg	gtgcctggtc	tctcaaccca	tgggaagacc	gatttctcct	gaacttcaag	120
gggcatcgac	tacaagactg	aatggctcga	atatacctgac	atcaagccga	ctcttgagcc	180
tcacatttcc	gccaacccag	ccaccggaac	atggacgatac	cctactgtca	agttccccga	240
tggaaacttac	attatggact	cggccaagat	ccttgagcga	attgaaaagg	actgtcctga	300
accctccgtc	cacaaggact	cgctgtcct	taccaagctc	ttcgaaatca	tgccgaacat	360
tatggccgcc	ctccgaccca	tctacttcac	ccacgtccca	aacacattct	caacganaan	420
atgttcctta	ctggcaggag	accgaaccga	aggggntgga	gacctctcga	caancttaca	480
aaaaaaaaggc	ggcaacaggc	tgggataaac	taaccacttt	ncaagaagtc	aagctctctc	540
caggaaaatc	naaaggccat	ctcctaggaa	aa			572

<210> 2023
 <211> 575
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 2023						
aggaccagc	ctactggaca	acatcccca	ctggctcctc	tcgacctccc	aaggagccca	60
ttgagcctac	cggcagccct	tcagctatgt	ctcctcaaca	aagaggcagc	cgtatctcga	120
agctggcaaa	gggcagccct	gcaccacacc	caagcgatga	gagtgggttat	gccacaatga	180
gcggtaccca	tttcagcaac	tacacaagca	gtcccaagcc	tgagaaccgc	aacttgaacg	240
ctgctttggg	tgttcctacc	cgccgaccca	gtggctcctc	agccatgact	cccaagagcc	300
ccgaggatga	atctcgccga	cgcaagcgag	aagacacgtt	cggtagtggt	acctcccaca	360
acacggatga	tacggagacc	ttttagaaag	gggctcaccg	tgccatccga	ccgttgccgg	420
gatattgatc	ttttgtcgaa	gaatgacacn	gcgcttttgc	ttttctggca	taatcttgca	480
tcctaccacg	cgttaggctt	tcaatatgtg	tcaactgtnt	gaagaatata	tggatatgaa	540
acgggcttca	actgaatnac	ttttcatcng	aagaa			575

<210> 2024
 <211> 615
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature

<222> (1)...(615)
 <223> n = A,T,C or G

<400> 2024
 tggtactgca gccttcacct cgggtctacct aaaattactg attcactctt gagccagtct 60
 cagcacctca attaatgttgt cagaccctag tgggttcggtc gttctttaat actgcaacta 120
 cctttagttg caccacctgc tcgctcacag cttacaatac atacatacct actctttttt 180
 ttatcgccaa ctcaactcaaa atgcgcccctc aagctctcgc agccgttctt ctctcggcct 240
 gtgccggtca gtctgctgcc caggatgctc ctcgagtcaa cgacaaccct cctgggtgttg 300
 gatacaaggc cactctcccg aaggagccct tcttcaagga tgccgccatc gatggaaatg 360
 tcaagggcta catccacgcc caagctaccg attctggtca ggggtgtgaag tttatggtca 420
 agttcagcaa cctccctaag gaagggtggac ctttcacctc ccacattcac gttgatcctg 480
 ttcctaacaa cggcaactgc actgcgactc ttgctcacct tgaccctttt gcgcgcggcg 540
 aagagcctcc ctgtgatgcc gagaagcctg aatcntgcca ngtcngagac aacaacggga 600
 aagcatggaa agatt 615

<210> 2025
 <211> 312
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(312)
 <223> n = A,T,C or G

<400> 2025
 gtaggaatac ccgctgaact taagcatatc aataagcgga ggaaaagaaa ccaacaggga 60
 ttgccctagt aacggcgagc agcactaagc aactcatacc acggatcacc ggatagatca 120
 ggcaaagcgt gtggggggga ttatcagaat tcagcgagac ctaaaccggc tcgccaagat 180
 cgcagtggga tgttacagtc atcaattgac ggaactcaac atgaaatcgc tattcattca 240
 gagcttgact tttccatagt ctaaactagt gtacaagaat atctacacat ttgcactctc 300
 cananaaaaa aa 312

<210> 2026
 <211> 501
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 2026
 aaatgctgct gcttccaaat acccgcaata cgtcactctt ctttcctact ttgctcctac 60
 tcaggcgtca actgctaagt ccacagaccc tacgaagatg cagcgcagct tgtccaagtt 120
 aggctcgacc atgcccagac ttccatcgcc gccgcctcca gaagtccctt gggcgggttg 180
 aacgcatgaa ctaagcaaac tccttattcc ctccctcagc gaaaccggta gctgcccaacc 240
 tgaggatctg aacgcagaag caagccgggc cagacgtgac cggcaatcga tattgatggg 300
 agtcgatcct aaccctccac cccctgccac tgcttcacgc ccaacatcgc gtatgtctct 360
 gcgtgagaga cngaccaagc tagtaccacc ccctgagcca accattgaca agtcatccaa 420
 aggtcgcaga aggacgatgg gcactactac tgtagcttca gaaaagccgg ttgctcgtga 480
 tgttccctca cgaaaaaaca g 501

<210> 2027
 <211> 346
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(346)
 <223> n = A,T,C or G

<400> 2027
 tttttttttt tttttttttt ggnganacat atagagcttt atttcataac tcctactcgc 60
 ctcccagtta tctacttaaa atccanacat gctagtgcgc cgtacaaggg cagcaataat 120
 tcatnatttc ggcgtatccg tagccgattc catccatata cataatcaaa caagcaaacg 180
 ccggtccgtc aacgtcgatg cataacctaa cccgcccata tttttatagt atttagttgg 240
 cgaggatggt tcgcacgagg tcagtgtagt tgacctggcc tgagctggtg tcaacggcct 300
 tgaggagctc gtcgacctcc tcgtgggnat tttttcccca ggtttg 346

<210> 2028
 <211> 1053
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1053)
 <223> n = A,T,C or G

<400> 2028
 gacgagctca accanaaagc ccncntcgaa gtacgaggaa agcaagactt tttctgctcg 60
 cacttcgctg tcttgcttgt tnccaacctt tgtccgtgcc ggcntagagc nccgtaaggg 120
 cactgccagc tcttgtgcca gcatgagccc agttttctgag actgccgagg agtcatcgac 180
 tcctattact tgataacgag tctgactctg gccgcagcgg atctggcagc ctgcgccgtg 240
 atctggaatg ccctagctca cgcacatctg ctagtggaaag ctgggggtgct attggctctg 300
 accgtcctag ctgcgcgag cttagagacgg tcaagagcgt cgacagcatc gagagtgtca 360
 gctccaacgg cgagagttag agcaactctt ttgctgatgt gtttaagaac ggcgctctgc 420
 gagctgccaa ggcacacgac tcgaccgaca accagcgcaa ggcacacagg cgggttttca 480
 ccaagagcac tccttctgct taaagggtgt gcttcggctt gaaacccttc tcaactgtcac 540
 gatttacgcg ctgcgacttt tcatccttgt cccatgactg cgcggactgg actgcatttt 600
 tgatggttgt cggtttagtc tttttttgat cactacggga gtcttggtac catctgcatg 660
 ggaggtggat gaaacacgtt tttctttttc ttttgcgaaac ttttactatt acagnaagtt 720
 tataattcgc tttacagtct ctcttttaga cttttctact tcgtcatgac attaggggga 780
 atcgcccggg gataatcttg tctcagccta gatggacnaa tgggttactt gggggggtga 840
 tgaaggaatc tttataccaa tgaggatgag aagcatcacc ggggaacaac tctgcctgaa 900
 agcctntgtg aggantaaac tagccnctga tgtggttacg gncggcgctc ctgcnggaat 960
 nttggttcgg caaattgaca tttgcttccg tgcatccgta tgggatgcta ctggctttng 1020
 ctgccgncgc aanttctcga ctgcaaagga taa 1053

<210> 2029
 <211> 623
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 2029
 ctagatccca ttctttcttc ctacttgaat tgccattgtc gttcttgaca ttgacccaaa 60
 ggcatagttt tgccctcggt caacagcatt cttatcattt cccatcatcg acgcttcccc 120
 gcggctotta tcaacatggc tatctacagc tccgtcccgc caccagaaca gcaaccgacc 180
 acaaccactt caacccttac tgcgacaaat cctccttttg ctgctatcca ggctcagtcg 240
 cctcctacgc cagtcaagaa ctcttctatt gatattgat cttggactat ctgcgctctg 300
 caatccctca gcgctccctt gtcgcacgtg gaacttgat ccctctcgct atccattgt 360

gaagttggcc	aaaagctcaa	cccaagtctn	ctgacgcaan	gncgacttcg	cgaagcattg	420
gggtatccac	tntattccaa	agcggccctn	tttcaaggag	ggacagcagc	gaagncgcga	480
actantcaaa	agggcaagga	gggaatngcc	agcgtcgtcg	ntggganaag	accgttgatg	540
cacgttccaa	cttnagctct	tgcctcgnat	tccaagtcac	ccacgatact	gncataaggg	600
cctntanctt	gtaatttgga	ccg				623

<210> 2030
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 2030						
gcaatcttca	tgtcagatag	atcacatact	cactggagat	atgtcgttcg	cttgtcaagc	60
ggtcgatttt	acaacccctc	ctactagccc	tgaaagccag	ccatacccag	ttgcggcgaga	120
cgggcaacaa	cttcggcccc	taccagtcag	tggacagggc	aatatgatgg	tcgatgctgt	180
cttgaccat	ggcgattgtc	atgacaccca	gggtcatccg	gatccccct	caacttgcac	240
acagtctccg	cggactacca	gcctcgtnga	agtgggtccag	gcgccacctc	angaaagcga	300
agtacgcgcc	ggcaattcgt	gggacgacgc	cattcctgaa	atccgcaccc	catctcccgc	360
aaggccctca	ctcgaaccgn	atcaaggaca	aggcttggat	gatgcaagct	gcgcncccag	420
cgatgccgag	tccgaagtca	cggaggctgg	atccggatcg	ccatctgaaa	gccaaagtgc	480
ttcccgtcgc	cgtcttttgg	tcgtttccgt	cacaaatcct	tacagaaaca	taaaacgatg	540
tattcaaagg	gcggtgatgc	aaacagtgan	ganggttcag	ggagcganga	caacctcacg	600
ggctaaaatc	ttcaacttcc	gggaananaa	cttt			634

<210> 2031
 <211> 581
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

<400> 2031						
gagcactttc	gccgagctat	gcgctccgat	gcttccgcgt	caaacatcat	cgaagccaac	60
acatctggaa	agatcacagc	caccatcacc	aagtccagcc	agaatagcga	caagtctgat	120
tcatcatcaa	agtcattctt	tgtcaacaag	ctgtcccgtg	cttggacgtg	gggggtccaag	180
gacaaggacg	ctaccaagga	gcgcaagacc	aagagcaaga	agggaaagaa	gatcactcac	240
cctagcgaga	agcctttgac	agcccaaaat	ctccaacacc	aggagatgct	atcacagttc	300
agcttcacct	ttggtgcctc	ttctcctgag	cagattgaag	aagataactt	cttggggcgtt	360
agcccttggt	gcacacgagc	tcccagtggt	gtcaacttct	ccctggaagg	cgacagcgaa	420
agcgacgatc	agacttcatc	atcttcatcc	tctatcaa	atccttagtc	aatttcctga	480
attggcaaag	ccgatgggtg	tggatgggcg	ggcatgcggg	ccccnatagt	ccacaggggc	540
gaaagctgga	anattctana	acgcccgtt	taacgcgccc	g		581

<210> 2032
 <211> 939
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(939)
 <223> n = A,T,C or G

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 2035

cttacctatt	ctcactctca	ctctcacatc	tactcctttc	tccttgctgt	gcgacgagaa	60
ccactcaact	ttaatatcgt	aacacgggca	cgatacggaa	caaccacaag	agaaaagata	120
tcacgcgaat	caattgctcg	aatacaaaaa	tcacgcgaca	agagaagtga	aatttacaca	180
acgaatcaca	ttctacaacc	ttttagagct	ccagctcagt	cgctacaatg	agttacggat	240
acggtagaca	aaatccctac	gatgcccctg	accagggtta	cggcgataac	ggttatggca	300
acggtggcgg	ttacaacagc	ccacaagctc	agggttatgg	tggtagcgct	gaaatggagc	360
cccttgctca	caaccggtag	ctcctttgct	caaagtgacc	ccaatgctat	tctcaacgag	420
tgctgcgata	tcgaccgcgg	aatcgacacc	gtcgagcaga	acctcgagca	gcttcgtatg	480
atccagcagc	gaaccctcga	cgatgccgac	agctangctc	tagtgctgnc	aaccgcagct	540
cgactccttc	tgtgcaccat	gtcgtctacc	gcgagctacc	gacgagtcga	ccgtnagtca	600
acccgaggca	ctttgcaaga	acaaccttac	g			631

<210> 2036

<211> 341

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(341)

<223> n = A,T,C or G

<400> 2036

nttacccgac	tccacgttat	tctgactgnt	tcgctgtgac	tctccgactc	ctcgaaacgt	60
ccaaganaag	tggatctctg	anggtctgac	ttttggcaag	gtctcctata	ttcttgnccg	120
ctggaagaag	gattgcgata	caacagaaaa	tcacgcagga	ctccnaagac	aaccaaagcc	180
gtttccccga	ggaggggagg	anatcgaaga	anattntgct	tacaagtacc	ttgaggctta	240
nccaaaacaa	caaggtgtcc	gngaantggg	cgacacctat	tngcgcttgt	ttgtggacna	300
anaaccggac	aagtttanaa	aagngtttgg	tctgtaaaagg	c		341

<210> 2037

<211> 271

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 2037

ggacctcaga	caacggactt	ctcactgcc	cccagaagct	taaccgacga	aagatcactg	60
agcacttcaa	gaaggacatt	tctgccacgc	tcgagcgctc	gtagataacg	acagaatcgg	120
atatgcaacg	aaattgtgga	acatcatgtt	ttgaagtgtg	gacgatgaat	accaggatcg	180
aaagagagac	gagagagtgt	atcgactttt	agcttgattt	tgtttttagt	gtctaatgta	240
ttgtcgtggc	gttggctccn	aanaaaaaaa	a			271

<210> 2038

<211> 690

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(690)
 <223> n = A,T,C or G

<400> 2038
 ggctggtatc ggtgctggtg ttggtgtcgc tgggtctgatt gttatcggtg gtctcatcta 60
 cttctgcctc cgcaagcgcc gcaacgcaa gaacaaggct gagtacgacg atgtcttttg 120
 tgcattctgag gttcctggtg gtggctgtgg tgggtggtggc ggccgcccgc ctgctgtcgg 180
 taccagcccc cacatgtccc agacctcccc tgctgccgct tccactctgg cccctagccg 240
 caacactact atgtctgagg gttaccgtgg tactgccctt ggcgatggac gtgccggatt 300
 cgccaagcct cagcagtatg gacgtaacta cgcggccggt agccccgaga ccaactactc 360
 ccgtactgct ggtagcgacc aagccttctc agccgtcacc cctgagaaca actacgccaa 420
 ccttgccgga cactcaccac acaacaacgc tgccgagatg tacagccctg ctaacacagc 480
 tgantcggca tccgacagcg ctgctaccaa gtggcatcaa aatgatgctg ccganattga 540
 cggtaaacaag tctcaagtgc tcgcggtaca ncaccgctg ancacgtata tgaaatcctg 600
 cgccacccta tcngtaaatg aacatngtgc catgtaacta acacanaagt cctggcaaaa 660
 atccgatgga aggatgaaat aaaaaaatcc 690

<210> 2039
 <211> 493
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

<400> 2039
 gcttatcccc gagtctttcc gccgtgccaa ggatgggtccc gctggagatg ttgtatccat 60
 cttcttctctc cagtctctct ctgccttta tccttccatc aaggctcgagg actacgccac 120
 cgacattggt ctgagccgta ttgctctcgc tgaccaaggc tgccctcgcca ccggaggagc 180
 tctctacggc agcctgactg tcaagcaact ctacaagaac accagctggg tcgagcatcc 240
 cgattttggt gactggcaga agcgcttcaa cgggtgctggc cctcataagc ttgctgcccc 300
 catgctcggt atccaaggcg aagccgacat ccttacttat cccgagtagc ccgaanaaaa 360
 ttcaacgaga cttgcaagga gtccccgagt ctactgccga gtacaaatct tacctgatct 420
 tgaccacggt gctgtgctgc acgcttctgt ttctgacttc atgccctgga atgcccgatcg 480
 tttcaatgga att 493

<210> 2040
 <211> 625
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 2040
 cgagtatctg caaagacaaa agagcacctc attcagctcc attcgcaaac ctccaagcgt 60
 tattgtctac gatcgctccc atcctcgagt ttccgaagaa ctctcccctc gatcaattca 120
 ttacaagcac agtatcgata taccttcgac gccagtcctt gcccgcgccc ccaactcacg 180
 cccaggtctt actgatgagg ctgtccaagg cgaagatgct ttcatctcac ccatgaagcg 240
 tcaaccctcg cgattggcga aactccctcc ttcatctcgc catagtcgaa ctgcgcagcag 300
 ccgcagcagt actatgagcg cggtttcgcc ccaagatcct tggcatggtc actatcccga 360
 tgcgttcaac ggcaactcgca gctccagcga atacctgcct cggacacacc aatcactgga 420
 tatcagacga cagcagccac gaatgcattt catgtccaac acgagtcgtc tttcatttga 480
 cgaagaggtt tacctgggag gccttttcacc acgaccgctt gttcgccaat cagagattgg 540

cagagctatc ggntgagttc ggatgttcca tctgnatctg aattatataa ccgacaaccc 600
 aaaaagcaaa accagacgtt tctgc 625

<210> 2041
 <211> 637
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

<400> 2041
 cttcagcttc gtcgtcatgg cgtatgcgaa gcangtgctg cagaagtaca tgcaactgat 60
 gatccttgag ggccccggng ttgatgacca ggaggggtccc ttcgctgagg atctccctga 120
 cggtgagggc cgccggggac gccttgccn gnttgatggt ttcttggtgt cgggcttact 180
 ggctggacag nccgagaatc tgacgaatgg gccccagacc tgggaggatc caacaaacca 240
 gccggcgccg gtacgctctc gggcgaggtc tataaagtct gtttgacacg tgggatctgn 300
 cgcgactgt tgaacgaact caaaagatat acacggatac ttggaacatg gacactggcg 360
 gccangccgg ttgctgcctc tttacatttt tgtgatgcaa gtcaccacca gtggctgatg 420
 ctctgcgatt cattttcatg ataaagggac caacatacga tagacggagt tntgataggg 480
 ggaaagttca tatacggaaa tcatnatgga aacttgtaaa aagtccatgt cngacacaaa 540
 accgacgact nnggccgacg cggagggaaat gcngnatttt ctgcgaaaac tccgnattgt 600
 tgtggatctt ttgaacggng gntgcggatg gngtgaa 637

<210> 2042
 <211> 624
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 2042
 cttgatcgaa caaacgaatt aatagtagcc gattcaatct ttgagacgtg tttcttcgct 60
 ttgaaaaatg gcagaatcaa ccatggattt gaccaatcgt ccccgaactc gccagagagc 120
 gtataagcag ccaccaactc tcgacgttcc tgacatcgac caagatgctg cggaaagaaa 180
 aagggttctg aatgtgtttg ctcagagaag atatcgtgaa aaaaagcgat tgagtcgtct 240
 caaagccaag tcaacaagca acgatgtgac tcaaaattca gaccagaac catttcgcaa 300
 tgttaatgga gagccatttg gagacgatc cattgaaatt ccgagaacgg tgcaagacga 360
 tgcgcagttc agcaaccaag ctgccagcat gttcatgcc acaaccaccg gcgatgctgc 420
 tgacatgttg gctgggcttg atttcagtct gacatcgttg agtccccttt cagaaatggc 480
 acttccatct gttttgccag atgtcaacat tcttcagaa tttttatgcy angaaagaa 540
 ttacgatga agcntcagca ggagcttcca agaggattaa cgacacattt tgaccggggc 600
 tgatccaanc acattcctnc gatt 624

<210> 2043
 <211> 632
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 2043

gacttcagt	gtgattcagc	tcaactctccc	gactcaccac	tctctcccgt	ctttgcaaac	60
ccataaccagc	ttcctgtctc	caacgactgg	ataaattggg	acgacaaaagc	tgcgctatca	120
cctgatctcg	acgctcttcc	caagcaggaa	ccatttgaag	gcatcaacct	ttctgccatt	180
ccctcaagaa	acagcatgga	gcttagccca	gccatcaacc	cacacgacct	ctnggggtact	240
atccctgatg	ccgnccctt	tggccgagtc	ggctctcaacg	acatcgacac	tcaacctctt	300
ttccaaactc	ccattcctgc	catctcttct	cagcctcctc	atctccagtc	cagtatgatg	360
cgcccccaacc	cacctcagat	gtcttggtct	ctcgacagca	tcacctccaa	ggatgccaac	420
ggtcgatatc	cttcgcgcaa	gcgcaagtca	tcaggctctg	ggaagttctt	cttctcgttc	480
ttccacctct	cctccccccg	cgacccgcgc	gccattgctc	tcctcccaag	aagaccgcgc	540
cataacatga	tcgagaagcg	ctaccgcacc	aacctcaacg	acaagatcgg	ctgctctccg	600
aaaggctcgt	ccaaaccctg	tcgcagtcac	gg			632

<210> 2044
 <211> 533
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(533)
 <223> n = A,T,C or G

<400> 2044						
ggattctcaa	gggcctcttt	acagaggtag	atatgggtacc	ctgtacccag	aatgaaggt	60
catgcaagag	tacgacccgc	aagtcgcata	cttccccaaa	ctgtccgaaa	ccccattgc	120
agagggcacc	atthttcaaag	caccacctct	taagaagtca	cacttctctt	gttatcatgg	180
acataagacg	atgaaccgcc	ggaccaacag	atattaccca	ttaacatgtc	agacttgcca	240
caggtcagat	gttgaagatc	gatggacttg	cactttctgt	catttacgaa	tatgcgaacc	300
ctgtgtgaaa	aagcttcaca	acaacagcaa	tgacctccgc	tgtatggtta	acagcctgca	360
gcttacggca	taattctact	tacaccaaca	ctaccaccac	caatttgttt	tattagacca	420
ttagtcatct	acacttttac	agccgtgata	tcgccttatc	ttatggcctt	tcttgtgcta	480
taaagatacc	ngatggttgt	tgancatgct	tntgcaaatg	tgaagaatgc	gga	533

<210> 2045
 <211> 106
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(106)
 <223> n = A,T,C or G

<400> 2045						
ncggatttna	atctcgaccn	gngcaaaaant	acaccaatat	ngaacttgna	atntgcanca	60
ttcngcactg	cnttaagag	ttcncacctt	gatgctggca	tgaaac		106

<210> 2046
 <211> 835
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(835)
 <223> n = A,T,C or G

<400> 2046						
agtactcgcc	cgtcgcggct	gtagaggagt	ctaaccgaga	agctctccgc	gcgacaccaa	60
gagaaaacat	tcaagactct	ctcaagaaaa	agatgcctct	tcaaggcact	gctgatattc	120

ccaacggcga	gcgggacttt	agtggaaaca	tcatcaacta	tgaggagggt	gctgatctca	180
tgagagaacc	cgacgccact	ggtggtgcat	acaagcggtg	ggacgggtatt	caataccatc	240
ctgatgacct	caagggcaag	ggtgagcctt	cttacacata	cgagaaggac	ctcaaggaac	300
acaagcgcaa	ccgtcggtgt	ggacccgcgc	agtacgagct	ctctttcaac	atgggaacca	360
gccagcgccc	agcttttnacc	cacaaccgaa	gcttcagcga	gagccccgc	acaacccccg	420
aattctnaaa	cgggaccgac	attcgctcgca	acaactctac	aggtcgtcac	aaaatgagcg	480
acggtctacg	aaaagcgctt	tcggaagcat	tcgacgcaag	aaggcttagc	gaaagttag	540
ttaaaccaac	caatgtatct	tttcttggtt	tatttaagcc	ttgggaattg	gcggttatng	600
ggttttattgt	attttnggcg	gacaggtttt	tatgctggga	atggaatcat	gatgtataca	660
cttgtcaaga	cgacatgatg	gaatgggtgt	tgtatatgta	tcggatgaaa	gactactgat	720
atgatatttt	tttggtaaaa	agggtttcgg	gaaaagaaag	aatgttttat	cctgttggtt	780
tgagatctga	tagatagaca	tgtaaagtnt	anaacagctg	agttnttcac	ttaag	835

<210> 2047

<211> 271

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 2047

catgaagtca	acaccggccc	ctccgttgat	ggatctcctt	tccttagatg	agccagctcc	60
gatcccccc	aaacaaacca	ggaaaacccc	acccgcccag	cttcttgggc	ccctggcggt	120
tgggagctac	tgctacaaac	tatcctcaag	ctccaaaatc	gccctcatte	caggaccgta	180
ccctttccca	gaactgggnt	ataaaaacgc	ctatttttgn	tggccaangg	aagtgattaa	240
acaaaaaaag	cacttccgnt	acagggnggc	c			271

<210> 2048

<211> 632

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(632)

<223> n = A,T,C or G

<400> 2048

ctgaatatcc	tcaattgtaa	ttcttcactc	accattcacg	tggaaccttg	acttagtgcg	60
actccatcac	actactacaa	caaaagccac	cttgcactca	cgccaagcat	tgcatttaaa	120
ctttacatta	agaaacgcat	catcgtcaag	aagctcagaa	aagggttcat	tcatctatag	180
ccacaaccaa	tctcactcat	aaaaactcaa	catattcata	atggatccca	tggctcaaca	240
acaagcccaa	ggcgaacagc	ctgaactcaa	tgctttggc	aagttcactg	ctcagttctt	300
gcagtacggc	gccaatgcct	ccaacaacat	ttcaactgca	ttcgactcaa	tggacacaaa	360
ggcatggata	cgtcttatcg	tcacgtcgcg	cggttacatg	cttctccgcc	ccttggccct	420
gaagtttatc	acgaaagggg	gctgttcaga	agatggagga	cgacgatgcc	aatgacaagc	480
gcaagggcca	gatctccctt	aacaagctgc	gcggantggc	tgaagaacaa	cccgaatatca	540
atgcggaagg	cgacgggtccg	gtgctgantg	gggcaaaagg	tcgtttaagc	aaaaaatngt	600
tgaaggaccc	ttgaactgag	aacgacaaaa	aa			632

<210> 2049

<211> 636

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(636)
 <223> n = A,T,C or G

<400> 2049
 ttttttttatt ctctttttccc acaaacactt gattgacaga ttcaaactac aaaatgggtgg 60
 tctactactag agcaagctcc cgcggcgcaa gcgtcggacc tgaattcgca ccagaattca 120
 ataccgagct acctaccatc ccatcaacgc caacaacacg caagagaagc gccgccaaaa 180
 actcttccctc caacgggtaca acggcctcgg ccaagaaacg tcgtctatcc gtccaagaac 240
 ctaaaaaaatg gagtcaactct ccctcttcag ccaccatctt ctggctcgcg ttgtctctac 300
 cgctcgtggc ttgggatagc gggttatgtcc ttgggtcggcc gcataccatg cctggagggtc 360
 atctttcagt gcctttgtac atgccatacg ctctctacgg acaggttgat tatatttatg 420
 gttccaaggc tttcgatgcc aagaatgggt ttacgggtgc gcagtcngct atgaatatgt 480
 cgagaatgat cttgtacttt atgtacttgt ggatgatttg gagacnggt gataaaagtg 540
 accaacaaga aggaaaagaa gangaggact ggtagtggaa ngagtgggtgc tttggcagtc 600
 ctgattggat tcaagcgcaa ctgtcatgac tctgan 636

<210> 2050
 <211> 645
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

<400> 2050
 atctacatca acaactctac tctacactac actacgctac actacaaacc agatcttttt 60
 ctcttttacct cactaccttc acaatggatt tcatcaagaa cgctgtcagt ggtaacaagg 120
 aggggtgcttc cagcagcaac aacaacaacg gcggcgccca gagccaggac tacgtcgaca 180
 aggctttctc tgccgtcagc aaaaagtctg gctacaacat ctccgccgat aaccaggaga 240
 agatcaccca cgctggctcg aacatgtacg aaaagcagac tggcaacaag gtcgacccca 300
 agatctccaa ctaaggagag aaataaacttg taatgagata aatggatgga tgctctcaaa 360
 agcgataaag agctagtatg aattaatatg acataattat tgatccacna anaaaaaaaa 420
 ccgcaggcga taacgcaagc gcatgaagag cattgcaatc tttacccccg ccaaacaatg 480
 gggaccaagt tggcttaaca caacctaccc cagaanagac gtgcgcgact gtgcgatgac 540
 tacnccccgn gtggagtgc actgacaact cctcacccca atggcttggc ctatccattg 600
 gggctttntg cgccaaactt ctttagagcg gnaggatctt tacco 645

<210> 2051
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<400> 2051
 ttttcaacct ttttctcttc acatctcaca ctattgaact atccaatccc tatccgcaca 60
 attgtttatac aaaaacttca agatgcctgc ttcaacttcc tcccaaatgc aaatgccccg 120
 tgagccggcc cccgtagcgt ttgctgctga acgaactagc accgaacagc aacttaggtg 180
 gaaccatcca atccctatcc gcacaattga ccgattctt tcaaacatct cattttctat 240
 cagcccaaat atgagtttga acggcgagcg tttgagtact gaacgaacta gcacttcgaa 300
 cagccgcgac cgattcaacc catgaccatg gaacaacctg aactgagcat gcgaggaggc 360
 aagaatggcg acggcggtgc tatctgctgt ggcatcttgc ctgggtctatg ttgctttgaa 420
 tgcttagact gctgctggta atgtgattcc atgatcaaac acggagagaa tagagtatag 480
 ctctggcggt caggcattaa tattaggagg atttatcaaa gggatatata caatcattgg 540
 ctaatgatgt aacgaactat ttacgtctat tcatatctaa taatgactat accacgggaa 600
 aaaaa 605

<210> 2052
 <211> 573
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(573)

<223> n = A,T,C or G

<400> 2052

cgactagact	cgattatccg	atcaatagga	acaagacaaa	gacactcact	cgttcaacct	60
caaccttggg	aaaccataac	ccacaagagg	aaatccttct	ttttcgtcct	ctcatccacg	120
atttcacccc	gcctttctgt	caaccatgtc	naaccttttc	tctggcatca	acgctcgttt	180
ccgaagcgg	tccggttaag	ctagcagtgg	tcctcanaan	acccaactgg	ttctaccgcc	240
agtcagcctc	ctcctccaga	gctgccaacc	caagggaacc	agtctgcagc	tagcctggct	300
cccaagggtcc	ctcctctgcc	cagctccctt	tcgttctctc	agactattgg	catgggacga	360
atctaacggc	gccatgggag	gtgacgatct	tatctcatcc	tatcaccttc	ctcgacctct	420
tcctctgtgg	ntcaacgccc	agtnccgcna	acacattgtc	aagggttact	ttatgacatt	480
gagcgcnchna	actaaaaccg	tcgaaaaaag	ngaattggatc	gctcntcngg	ttgttgaaca	540
ctaccgtaaat	ctctggaant	tgtccgtggt	ctg			573

<210> 2053

<211> 361

<212> DNA

<213> Fusarium venenatum

<400> 2053

gggcaaacag	cgccgactcc	aacgcccgtg	gccgctatcg	caaccactga	atctccaatt	60
cccaccccta	gtagcagtca	agctgactgg	actcccgcca	ttgatacacg	cccacatcgg	120
atggaatcgc	aacgaaacac	aacgtcttga	gcctgtaact	atcaatctcc	aaagaaaagg	180
aacacgttac	gcaaagtcaa	ttctgacaaa	gttcacctcg	actacgcgtg	accgtgtcgc	240
ctgtgtccct	ctcgagtcgt	tgattcgacg	tttgacaggt	ggtgaaggat	taaaagttca	300
cctttcagac	ttagaactgt	ggaattgacc	actatactgg	gtcgcaatca	tgctacaagt	360
c						361

<210> 2054

<211> 626

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(626)

<223> n = A,T,C or G

<400> 2054

cccagctgtc	ccagccgccg	tacagaataa	accaagccga	aatagcacag	tttgaattcc	60
acgaaattcg	cgatacccaa	aattttcaat	aatggctttt	gacgacgacg	ataatcccca	120
tgccttagca	caaccagctg	ggggtgccaa	cggagctgcg	acagaagatg	ccgacgagga	180
cgcccccgac	tacaagctgt	tcctgtccat	gttcgataaa	catggcgtct	caagtaaaagc	240
tattcgcaag	ggcgagaagg	atthttgagtc	gcatggcacc	cgtgcgcagg	atggtcttct	300
cgaggcgagt	cgtcagggtca	tggataatgt	gcttggttac	acgaggatcc	atcgcaaga	360
tgcttggggt	cganggtggt	gtttccggac	tggtgggctg	aaatggagca	agctggtgag	420
aagaagggtc	ctgctgtcca	cagaattttc	atgattgaca	tgancccgna	cttggcagaa	480
ggcatcggn	gaaccatncn	agcaagattg	accnttggtg	cgggcgactt	ngtgtnccg	540
gagaggcatt	antttgtnaa	gggggccatg	gantttntgg	ccaatcgaca	ntngaaaaat	600
ctncttatgc	ntggtaaatt	aaaccg				626

<210> 2055

<211> 558

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 2055
 cgacatcgca attcatccct ctctctcttc ctctccctct tttggttcct ctttccctcc 60
 aaatttgtgc cgtcctctca ccgacgccga ctttcgtctc ttcttctctc ctcgatatt 120
 cactcactct gttcaaaagc tctcgttgct tctgagcaga tgcagtgtcg tctctcttcc 180
 ttctcttgag acaatagttt tgggcttcgt cgacactcgt tccggccata ttgctttatt 240
 aatactttta cctgctcgtc cgtcttctc tggatattat cctaagccaa gccaaagttac 300
 gcaactgtcg gattttacgtt tctcgtcgac ctttcgatca ttcactcttg caatcgacaa 360
 ccatcatttt gcatcttcag ccttgccaaa acttctctgt tgcactcggc cgaacatttc 420
 aaattcgaat ccatatatac taaatggtgc ttncgtggaac gacctttttt aatcaatgga 480
 gctcttcgcc tattcccttg gatacgtcga tncgcttata atctcgattt tatcgggtta 540
 tctgataata ctacttca 558

<210> 2056
 <211> 594
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 2056
 caccgcggtg gacacaacag tggccactac gaagcattcc gacnacagaa cgttcccgcg 60
 cccttctcca acccgaatac cttccagcct tcagaagcat tcagcaagac gccnacacct 120
 atgggaacac cgggtgctcg cggcggaaca acacacagcc cggccatttc cactcccgat 180
 ctctgtcag gctcgtctgg taattcttca acaccttctc tagattcatt gcctcccca 240
 cctaggaatg tccggcagat ctacncggtt cggcgagcct accagcaatc ggcaaaccaa 300
 aggatcccg aaccagcagc ctccggtccg tggcagcttc tactaaatct gccatctcca 360
 agctcacatc tcccaagcag aacaacagca gctcaaccac gcccaagctc gtgccatcca 420
 atgtctcgaa gcgatcaaaa aagcgcaagg naacatcaga caaatngtgg cgtgtcacga 480
 caaaaaantc aaggaagcca agacaacgaa gtcttgggca tgcagaaaga atctatcttc 540
 tattttacga nctcgaccag gaanacctta ggaaggcgac catcgcgctc tgcg 594

<210> 2057
 <211> 560
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(560)
 <223> n = A,T,C or G

<400> 2057
 gtttaaagag gggagagttg accttttttc tcgacccttg caacaaccct ctagtctctc 60
 tcttatagcc aaccatagat tagcagctgg ctgcgtatcc attccgattg cgaaagcctt 120
 ataccaactg cgctcatcgt cgcatgcttc agctgcgact taatcttacg cttaggacat 180
 cgataccgct ccttaaaccg actgcgaacg aatccacaca caacgcgaca cgctcaactt 240
 atagctttta agcactttat cgatgcgaaa acactcgggt gtattgtcta cggaatcatt 300
 accataagat aaaacatatt acatcatggc atcttggtac tccaacctcg tccaaaagac 360
 tcttctcaaa tctcttctct ccgccagaac tcttatcagg cgaacaagac ggggataccg 420
 aagatgacac acatgtntgc cgcgtctcgg tggctattac accgaaaaag gcgcccttct 480
 ctcttgggtgc caccagatcc aaggtccact cacaaccgtc agccgtgatg anccccaggg 540

tcgcggtttgg gtgcccagga

560

<210> 2058
<211> 505
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 2058
ataataagggt gctggttatcg tccatcgagt cttggggagct ttccttttct ctccattctc 60
tccttaaacc tgcgcacact ctttcttctt gggcctccct atacctcttt ttacttgatt 120
ttgttccatc aatcgtcaat cgactcacac atcaatcaca atggctcagc aatactccca 180
aagacctaata gtccagaacc aggggaatggc agagcaacct ttgcaactgc tcgccttgcg 240
actcttgcat gctcagcact ttctgtccct acattctgtt gggtaaaact gccgaccgta 300
tgagagaccc tacaatgaca aactgccgat acctgcaaca gcgatactct tattttcact 360
gccatccaat gtgttaccgg ctgtggctgg attactccat gatgaancgt ggananatcc 420
gtgagcaatc cgcatacagg gtatggcatg ancaatgctg cttagttacg gtttcttgct 480
gcncctctcc ancaganaca agtca 505

<210> 2059
<211> 559
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G

<400> 2059
tttttttatg ttcaacagaa taattcctgc aatgccagct aaactatctt tgctagagca 60
tgtcattccc tttgcagggt aggagagcaa gacagcacac catcttctgc gtataatata 120
tgtatcgtca attcttgccc tgtggtatca tctctacagt cccagccatg tcgctaattc 180
cgatatcggn ggtatggcca cttgaagtga tgcgaatcac ctcagtcttc gattctaaca 240
acacaaatcc cactgcacca tctctcacat gagtctctaa ccagtacgtc caatagttcc 300
gtatccttca cccccagtct gcacgttgct ggaatacaca ccgggcgcgcg gtccaagtcg 360
caaaacggcc ctgcggggct tgctctcggc ggtcgaaaagt aaatgtactc aagatagaag 420
gcgtggatgt gaccagggga tgtaccang atggtcangc aaatgttgat gaacagatcc 480
attcncatc ccgagattgc ccataccccg antgggaggg aagaaanaga gtnatgagga 540
taanaaaaac ntcccgant 559

<210> 2060
<211> 627
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 2060
gtcggcgaag ctcccagtc agtcctgag gtcggaaccc aggatgcgac agttggaagt 60
gccgctgccg ctgccactca ggctccctac accaagtggg acaacgtcca tgagcgtcac 120
tccatctccg agttcaggat ggagggcctc atcctcctcg tctcaagttt catcttcttg 180
ttccacatga tcggcgctcg tcgtaaccgc tctanagcca agggctggat gcgtgctcac 240

gctcccatta	tccagaagga	gtacgctctc	gtcggcttcg	gnggtgttcc	cacagtgaac	300
aacgagaatc	tcaacaccga	caccctnatc	aaggagaaa	ccctnttgaa	ttcgctacta	360
cgctacgggc	gcaaaacacg	gttttaccga	tgtcaactca	ctctgacaan	aagtcaatnc	420
cattgncaac	tgtttgagcc	ctcgccgnt	ttttngtga	gtntgttgcc	cnccaaggat	480
gtcctgaggc	ctgacctacc	cctcgatgga	aggaaaagttt	actgtccttt	nttcccgggg	540
tggggtcgaa	ggaaanaaaa	cnctacatgg	tttnttgggg	ntntcaaagg	attatgcccc	600
ntcctgaaaa	anaaaaantt	ttntntn				627

<210> 2061
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 2061	
caacaacctc	aaaaccttgc
acgaccttgc	tccattgcta
acgaccttgc	attcgcacga
acgaccttgc	cgctcgctaca
acgaccttgc	gcatcaaatn
acgaccttgc	60
acgaccttgc	120
acgaccttgc	180
acgaccttgc	240
acgaccttgc	300
acgaccttgc	360
acgaccttgc	420
acgaccttgc	480
acgaccttgc	540
acgaccttgc	600
acgaccttgc	635

<210> 2062
 <211> 251
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(251)
 <223> n = A,T,C or G

<400> 2062	
ntttcatnaa	accctcncag
caattttaag	tccaaatccn
ngtttgann	accttgagga
tttttttttt	cncccccttt
anacccccctt	g
	60
	120
	180
	240
	251

<210> 2063
 <211> 660
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n = A,T,C or G

<400> 2063	
nacagctgcg	ttgactatcc
gggtctacgga	catacagngt
tttttatgac	ncttctgaca
	60

gataattccg	cccaaaaacc	cttcttcgcc	ttgccttgca	cacaaaccaa	tatctagtag	120
ttcgacttga	tgaggtagtc	ggcgagaccc	tcgacggtag	aggtggcggtt	accggcgacc	180
tgggcctcgc	cggggngggcc	gacgacnatg	gcctgggtgg	tctttgcgac	agcgacaccg	240
gaacgacccg	atcgaancgt	anatacttcg	accctcagct	cggccataca	tatcactctt	300
tccaacgact	tctacaacaa	acctctactc	ccaatatgaa	gctgaacatt	ctccttgccg	360
ctgctctggt	tgctgtccct	gccatggctg	cctcaagcac	cacagagaca	cacaccgaaa	420
aacagacatc	taccgagacc	ctcaaggcga	gccagaccag	tgcttcctcc	aagacttcga	480
aggcggctgc	tgctcccact	atggttggtg	atatgatggg	cgttgctggt	gtcgcaggtg	540
tccttgctgc	tatggctctt	taattgactg	tctggagcat	gtaccatgat	cttagcgaga	600
gcagtttacc	acaacccctt	caattctata	taataaatct	ttcttgactt	tataaaaann	660

<210> 2064

<211> 594

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(594)

<223> n = A,T,C or G

<400> 2064

gttgcttcac	ttgcctttct	tctttctcaa	cgacgatctc	tgaatctgaa	ctgcttcata	60
ctcttcctcg	ccaatacaac	atttcttctt	acacaccgag	gaatatgata	ttgtcgccta	120
aagaatacga	tttcctttta	ctctgattgc	cttatttcgt	ttatacgctt	attcactcta	180
tctacctccc	ctccccacc	aaaagtgcga	aaccgcgccc	gctgctcgcc	aaaagactcc	240
ccgcccattct	atcgcttgctt	ctcagtcgcc	cgatttcgtg	ccccacgacg	agccggttgcg	300
agcacgacag	cgaaaacctc	actttttcga	ccctcgcgaa	tgogaatttg	atcgatccgg	360
cctgcgatgg	ttattaacga	ctccggcggt	agagtctcgc	gtcccaacct	cgccatgtcc	420
gctacagccc	gacaaaacgc	gccgctgccc	gcatgcacct	ccaccaccga	cgaatctgcc	480
tcaaccatca	ctgtcacaca	aagangccaa	tttctctccc	aaaganggan	aaacccgact	540
cccntntgcg	gtactgcact	cttcggtccc	gatggaaaatc	tcaagcgacc	aaag	594

<210> 2065

<211> 513

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(513)

<223> n = A,T,C or G

<400> 2065

ntggcatgag	ncttaacacn	cccaatggat	ccgatagccg	cagtagcacc	cctacaccta	60
gttttaggtgg	tagcttggcc	gacgctctgc	tagccaggaa	gaacgctatg	caaaaggaga	120
aggaagacga	cgacgactgg	tagccgacat	aacgagttta	tgcttcacga	tgtaacaag	180
gagtcgaaaa	acaagaaact	tgatggtgta	gggcacagga	aaattgtctg	cacctgcacg	240
cacgatatac	atatacacac	agccgcgcta	gagcgaggcg	gaagaggaga	catggcatgt	300
tgcttttttc	tgttgtatac	aaacaagact	gaattgggca	acccgaggtg	tagaagccgc	360
aaggaattca	tggccgagtt	tggtttttat	tcttgatgct	ttggggcaag	cgtatgcaaa	420
agcgtcgttc	tgaatgactg	cangacgggg	acattcatat	acataaccan	gacattacaa	480
attcttagaa	ggaataaatg	ctttttttgat	tcn			513

<210> 2066

<211> 357

<212> DNA

<213> Fusarium venenatum

<400> 2066

ctgttaatag	tctcaagcca	ttctcgctca	ccgagaccaa	tgaaaccaac	cttgataccg	60
ttggagggtg	tcatcatatg	gggtctttttg	gcatggccca	ggggcgtgtc	gttgccaata	120
tcaagggtcaa	tgacattggc	gagcagccag	gggaacttgt	tttgacttga	gagatgtctca	180
aattgcttga	caccaaagtc	aaagtcgtgg	ttctatagat	tgagcctcgt	tagttaccat	240
gtcgggtcaag	gatggcatga	cctacacacc	cctacgcaag	cgcaatcggg	cccaacatga	300
tcaaggacag	gaaccatgtg	ctgacctgtt	ccaaatagtc	aatataaatt	aaatctc	357

<210> 2067

<211> 543

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(543)

<223> n = A,T,C or G

<400> 2067

aggactcaat	gcccccatcg	cctcctcaag	caatcctcac	attcaacgag	aaggacgcca	60
agaagcaatc	gcaacaacaa	caagaatcca	actcactcta	cgaagaggag	tactaccttc	120
cacctcgtag	tcccgcgagg	cttgtgtcgg	ccatctcggg	ctactaaagc	aaggggtttt	180
actctgactc	tgcgctcttat	gaatgaattg	tgattttctt	agcgacttgt	tttatacaca	240
aagcgatatg	gcggcattac	acttggcgtt	ttttgttata	caaagggata	ccacaacggg	300
attttgggat	acagcaaaaa	aaagcctttt	tttttttttt	atcatattta	aaggatncac	360
ttttacngat	tttcaccctc	tccctattga	aggaataaag	aaagacagaa	ttgtccaggc	420
aatgaggaat	tgatcacat	catgggtang	ngccgttcca	ctaaaagggtg	agtggcaccc	480
gatcagatag	atagttcaaa	aacagacttt	taattaagtc	ttaaaaccaa	tggttaaacc	540
ttc						543

<210> 2068

<211> 411

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 2068

cgccaccatc	tttgaaacgt	atatacctccc	cactgcgaaa	gtgactgccc	acccagccat	60
gtccacaaca	tcatgtctct	gcttcttctg	atctagagcc	tcctgtgcac	tgatacctaa	120
tgcaaagcca	cgcacgcctc	cgcgatcgac	ccgtagccat	cctttccagt	tcgctgagat	180
atcaccagat	cccaaaccgc	ctacgacgat	agttccccac	cactcacgtc	cagcgcttgc	240
gcgaagctac	gtcgccgtaa	agaaggatcc	cttctgcttc	ggctacaagg	gtacgtgtat	300
gttctggatc	gtttcgagcg	ggcctttgaa	cgtaaaccgtg	tcgcatatga	gatggcgaac	360
aatgcaaccn	ggtggcntcg	aancgacctt	ctatgtcgat	aatgagaata	c	411

<210> 2069

<211> 457

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(457)

<223> n = A,T,C or G

<400> 2069

naaggaacca	caggaaaaca	actcctcaag	aaccttcagg	gtttgggtca	gaagagacca	60
------------	------------	------------	------------	------------	------------	----

cgcgacattg	gtcttgcct	gactatcata	caaatacagc	ttaatgacgg	tcacgtcgg	120
tcancattat	cgattctnga	gtctttcctt	cagcgacttg	aaaaggccga	aaatgtagaa	180
gcactgaacg	cccggtttag	cccaggccta	gttgccctga	ccgtgactct	tntgcgcgta	240
caggggtcgag	agtcnatc	aaaggccgaa	ctcgtcaagg	ctgcgacaca	ttggcagttc	300
cgggcaggcga	gccccggccag	ctctnttcta	gaggaggctg	gcattgagtt	aatgaagtca	360
ttcaacgaca	aggacttgca	acttgctggc	gcttcatttc	agaactaatc	gacgagcaag	420
aagggctcag	atattgncac	ancccgggct	tgttgca			457

<210> 2070
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 2070	
ggaagcttac	caaggatttc
cggaaatcga	ttttgaggac
tcgagctgcc	gcgacgaaga
actttacctt	tcaggacgtc
accctcagac	atctgttttc
tcgaaaagat	gtcagtgga
ccaggtcttg	ggtacgatcc
tcaagcagaa	ntctctacct
ggaagccatc	gatgctctga
ttctgggaga	ctttcanact
caggatcgat	tcataattgc
cctatggact	atgactggta
ttccagtaac	gaggggtgcc
atgaagaaga	cccccgagag
aggccgtcgc	tactccatct
agcacatcga	aatcactgaa
cagatganan	ccgttacacg
tgaccaggac	aagatcnact
catcatctgt	taaancaaac
nttggacatg	tgctttcga
	60
	120
	180
	240
	300
	360
	420
	480
	540
	589

<210> 2071
 <211> 721
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(721)
 <223> n = A,T,C or G

<400> 2071	
cagcgtgcaa	acgatgctga
gtcgataatt	accgtcggcg
ggtgccaatg	gcctgggctt
tatggaagta	caaacggaaa
gaagctagaa	acagcgcacc
ccagtgggag	gcaccaacaa
nttgcgccaa	gaangaaagc
attggcgcaa	gagnttgaca
cctaatacgca	agtaattnct
ttcgtttgat	ttatggtcga
atggagtttt	antttgtctt
tntttntttc	cactttttcg
	g
gcaaaagggtg	gccctcctgc
tagccggcaa	gtgcccagtg
agggcattcg	agacaggaga
aatggaaacg	gaaacggaaa
ccttgccaac	gagcttgaaa
tgagcaccaa	ctttgacttc
ttggcgctcg	cctcagcgag
ccacaatgac	ngggacaagc
accctttcat	gacacaaata
ctgtacatnc	cgatcttcgc
tnttgctant	tttcgcgtng
actaattttt	tttgaanaag
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	721

<210> 2072
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 2072
 cgccccgtcg tctgtctaata ctcaacctcg tttctagggc acgaagctac cctgatcaaaa 60
 ctctctcctta ttgcaccaga gttctacctg ttcaacacgc agtcaccggt ttcgaacgct 120
 cctccaccac aggtccaagt tgcgaacgtca tactcaacct aaccacaaaa ctcatccacc 180
 agccccgcat catgtctacc gccaacacca acaccaacgt gggacgctgc cgttaatgac 240
 gtcgccaaca ctcttgagca atacctccat caagcaacaa gcctgccgat gacaagactg 300
 ccgccaacga ggccgcttca gccagcgctg ctgagggtcg cccgcctcta tattggcaac 360
 ctgcctatgc gacaactgag ggggagttga aggacttctt caaagagcta ccttgctcgag 420
 tctgtctcga tccctaagaa cctcgcacc gaccgcctgt cggctacgcc ttcgctcgacc 480
 tttccactcc cactgaggcc gagcgtgcca ttgaggagct tntctggaaa gagatcttga 540
 gcgcaaggtn ttcgttcaac tcgnttncaa gcctgagccg ttgngagaag taaaaggngc 600
 tnacgngat ggnnttgng ctga 624

<210> 2073
 <211> 649
 <212> DNA
 <213> Fusarium venenatum

<400> 2073
 gatagactta ggagaacagg tttcttgcca ttaccatgac ttctcacgct ggtctacaga 60
 atgtcctgaa ttttcgtgat gtcggttaaga cgggtcaatga tttcttggtt acaagacgaa 120
 ttcgtgaggg cttgttctac cggttcagcaa gaccagatga tgccaccctt tcagacagac 180
 aacttatcag ggatggtctt ggctgcaaga ccatcattga cctaagaacc aaaactgaac 240
 acctcaacca agccaagaga cgcaaagagc aatccagtat tctcgcactc gtcaagtcta 300
 atgaagctct tgctgagcca ctccaaatct ctggtctgaa ctatcgagac gtcaaaatca 360
 caggccgccc gttcgagctg tttcttctga gtcagttatc atgggtggat ttttttcgag 420
 ttgtttttct ctttctatgt ggctatcgta ctgaagccat aaatatcatc ggagagaaaag 480
 ttatgatccc acgtgggctt gtaggactgg ggtttagata cgctcgacca gtccaccaag 540
 gagattcacg aagccttgct tctctatgct gcccatcaa gctctccctt ccattgttca 600
 attgcaccca agggaaagaa cgaacaggcc tcactctgtgc tttggtgcc 649

<210> 2074
 <211> 566
 <212> DNA
 <213> Fusarium venenatum

<400> 2074
 ctcttacaat cggctagcca gcatgtcgac taccactact acagagacac aggcacaaag 60
 cactgtcccg atcagccttc aagcaaacaa atatccagag ccttttaaagg cttcgggggc 120
 acttgacaag ttcaactttg aagagtccac gcccgctatc ggacgtgaat accctactgt 180
 caaccttggt gacgatatta tcaatgcaaa gaatgcagat gaactgatcc gtgatcttgc 240
 cattaccatt tccgaaagag gagtcgtctt cttccgtgcc caagataatc tcacggatga 300
 cctccacaag gaacttgctc accgtcttgg ccaactcacc aacaagccgt cagaatcaag 360
 ccttcacatt caccctcttc taaacggcag caatgagttt ggtgtagaag ataataaat 420
 cagegtcatc tcatcccaat ctacttctt ccatgacaaa aaagacagag atgaccgcaa 480
 gcaaggcgct gccagctggc acaagcgata ttcagtttga ggagtccag cggactacac 540
 gagtctgcgc ctaactaccc tttcat 566

<210> 2075
 <211> 435
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(435)
 <223> n = A,T,C or G

<400> 2075
 ccttggttaac tttgcaaaca aaccgatcga tacagagaaa ctttccttgc aatctccttt 60
 aacagggtttt ccaagagcga gccgcctgtg cacggnntca tctaaatgat ccccttacc 120
 ggtacggaag agccaaggtc gaatcgggct ggcccaactt taggagatcg tnanggggtcc 180
 cctacctgag tacgagacat ccataataat ttacgatgcg ctagtttgtc tagttccagn 240
 cgcccanaga attggacgac agtttcaatg caaacgaagg acacctatca gctattctga 300
 tcaggactat cccgattcat caatgcgttc ggcgttgatt atggaccana aacattcagg 360
 aacaggccgg ctcttgatgc ctgttgaaat cgcactactc atttctctta cctggcattc 420
 tcgacatatt tcagg 435

<210> 2076
 <211> 950
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(950)
 <223> n = A,T,C or G

<400> 2076
 gtgcgagcac gcaacgtctt acgccatttg tcacgccctt tgacaaaaaa gacacatcat 60
 ctaatcttca tcttccatct aaccaagtac atacctcttc tcttataagt taatcgtcgt 120
 ttaacttatc agcgatgagg tatgtccttt gttagctgga agatgaagct tgggtgatct 180
 cccagcttct atttcgcaga ataaacactt tcccatttct tcagcgcta gtaccgtcaa 240
 gaccgcgcc cacacatccc ggaatcactt tgtccgcgca acagccaaac gtcaagccca 300
 gcacaaaggc gcgaacctat gcctcgacac tggactaccg tgtacaacat cgaactgggg 360
 tgaagccact tgccatcgct gtggtcaaca agatactact accgcttccg cgcgcgctcc 420
 tcagctcgaa aagatcctac attttgagat ctcgacaggg aatctgcagc gcgcgaatcc 480
 acgatggaca cagtcctacc gtaatcgac cgcccggaat cagccccatt ctaacggact 540
 ggggtggttcc gatgagctag aggggagaga cctagcgaga agcaagggtcc ctctccctag 600
 cgaccgatat cgtctcgta gaaggcctac acttgaaaaga gaggaagcgt ttcgggacgc 660
 ttccacggct agagggaatg tctatctggg ccgaaagatg cccatgacag aagatgacca 720
 agttgctgag ctgtatcgca tgggtttgct gtacgacgat gagcaggttc gcggagaggg 780
 cttcaacctt gatagcatca accaccaaga acccatctac tccatccgca ccgccaaacc 840
 aacccgnaaa tccaagcgct cccaaagttt cagcttcaac cagcctctac atctagacct 900
 ctnttttacc gattngggcg gngatcaaac catcgctcaa ctctctctct 950

<210> 2077
 <211> 588
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 2077
 aaatctctga agcgtcccag cctcttgcgc tgtgattcag ctgctgtact gtctcgtctc 60
 atctcgctac ttaacttcag cctccccgac aatctcaaaa ataatgctca agttgtcttg 120
 tgctgcccct cttccactct gctctcaact gtgtttccac tacaaactgc catcatgacg 180
 ggcgctgtcg ctaccctcgc gtacagcaac gacaacttcg aaacagcttc ggttcgttca 240
 gctgctccat cttatgtctc agaagctccc tcttaccact caacaaacc gtttcccag 300
 aacttgccct catacacccc tccagctcga aaccatgcgg ttgtgagaag ctccatgatt 360
 ccttccagca gcggcacatc cactcccact gcgcgccaac agactatcgg cctgcctcca 420
 gtgcccgcgg cccctttgcg atcccagccg aatttgaaca actttcgtat tgcgacgtgg 480

tcattctgtat ccaagcaatc ccgccgcccc acactaccag aacgtngcca acngaagatt	540
gacagcacag cgtgatccgn tagacagcct tcgtcgcgtt atgactga	588

<210> 2078
 <211> 637
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

<400> 2078	
gctcaacaac ctaattttatt cttcactact ctctttttcaa gacaaacact cccaaatcat	60
caacatgcag ttctccgtca tcgtctctct cgccgttgcg actggtgctc ttgctgctcc	120
cggcgagcct tccaagccca acaagcccaa caagcccccac aagccctctc ctcccaacgt	180
caacgtccag agctgctaca atgatcagggc tctctactgc tgtaacagcg atggtcatgg	240
cgcagagggtc aagtgcgagt ctttctccaa cgggtggagt ggcggcattc gcaccggtat	300
ccagatgtgc tgcaacaaca acgaagggtgc tcagggctgc agctttgccg tcggtgggtgg	360
catcatcgtc gtcggtgacg gcaaggggtg gtaaattggtc aactcaaaaag acgaggtcga	420
tcattcgcac ctctgggacc ggggtgggcta gcggataaat aacttacatc gacattcacn	480
ggtcttcaacn ggcaaccatgg tcagacagan gttcagattg atatgangat tggatgacgg	540
atgattatct tttttgggtt ngtaggggat ggctntcgcc atttaacctt aaccataanc	600
accacttta tttaatagct tttatcaagg tggatta	637

<210> 2079
 <211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 2079	
caacttacta tgctcttgcc gcctaagcaa gccaaaagca agcctaccaa caagacccca	60
gcccagccag cttggagccc cggacctcgt ggtattgacc ctaccgtttc gggttgctgca	120
gcggccatgg aaaacattaa acgacgagcc ggaaacgaga agctttgcaa caatcattat	180
cttcgtggac cgtgcggtag aatggacatt tgcccctttg tccataatta caaggccacc	240
caagacgact tactcgcgct tgcaatgctg tcacgtcaga atccttgac agctgggcaa	300
gaatgcgatg tagatgattg tatttatggc catcattgcc ccaatgtcgt taatggcatg	360
tgtacacgac agtattgcag attctcgaga gatgcacatc cgccaaacac caaatttatc	420
aacaagaaca tcgatgttaa ctagaggatc cgaaccttca ctggctgtcg tctcgaacaa	480
ctngcaatat aactagaaag gattagggat aggagttaag agaatacagg ctttgggact	540
gttttggaac gggatgtgtc aaagacgata aattgaaagc ttnatcttgn ttngaaacaa	600
tgctggtngc gctcactgag gnggng	626

<210> 2080
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 2080

acgagttctt	ccaggggttct	ttcatccgac	ggcccatctc	atctcctctc	aactcttcgc	60
ccctcacgtt	tccacatcgt	cgttgcctct	gacctgcgaa	ccctcttgac	cccgggttgt	120
catcagggtt	gtttttcttc	ctgattcgat	acgactcaac	tttttcgagt	ctatccatac	180
gtcctcgacc	gaacacgatt	gcttcttgag	cttaaactct	tgacaagagc	tctatttctt	240
ttaacgtttt	cacgcatttg	tttgccctgt	tcttgcgata	cagagagccc	gccgattgag	300
cactcgatct	aatttttcgt	ctcccgctac	actcgccatc	tcaatcttca	catcacaaca	360
gccatcatgg	cctccaacgc	tcccactacc	tccgcccgcg	atggctctac	taccgccgcc	420
gcttccgcca	acagcaactt	gtccaaggat	gagggtggct	ggtaactttgt	cgagcaatac	480
tacaacacct	tgagcaagtc	acctgagaaa	ctccaactct	tctaaggcaa	gcgctcgcaa	540
ttcgtccaag	gncaagaag	gcgaggtcgc	caacgtctct	gttggtcgac	aagcttatcc	600
aaagaacgaa	tcaaggagct	cga				623

<210> 2081
 <211> 453
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(453)
 <223> n = A,T,C or G

<400> 2081						
aagaaaaagga	tggagcggag	gcggtctgga	cgatctcctg	gagaggggac	aggattttatt	60
tgcaaccgag	gaagacagcg	caaacatggg	cagcgggtggc	ggcggcgaca	caccaaagct	120
cttttcgatc	ctcccgccca	agagcatact	tgccgataca	gggtcagaac	tatccaggag	180
ccacgctaga	ggtgacagtc	tcctgatgga	tacagaacgc	taccaatcac	ttgctgcgct	240
ggcttcagat	atgagacca	gtgggtgggtg	cgacaccgac	agcgtcttct	cgacagactt	300
taacaaaccg	cgtaacgcaa	gaccgtctca	ccacagctat	tcgccggggtc	caacagatgt	360
acctatgact	cgtagttgg	gccgagcaga	aggtatagga	aacgacgatg	atgaattaag	420
tcgatctgaa	ttacttntgc	tgtggctgaa	tca			453

<210> 2082
 <211> 524
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

<400> 2082						
gaactgaaca	aatcctcaag	cctcgcgctt	tttctacctg	aggtagactt	ccgcccaca	60
acgtcgaatc	caccgcgcag	agataacgtt	ccctaacgaa	actgcccacg	tnatccatc	120
tatagccgag	tcgcgaattg	agtacaatct	atacacattc	tgctattttc	tttccgacgc	180
ggcccttccg	ctgcgcgcgc	accgcgaccg	cgatccacgc	cccgtaaacc	atctaaatat	240
ggctgctcag	ccgtccgcgt	cctcgtcaac	ggcgccgggt	acgggcccgc	catctgcagc	300
angttctgag	aaagatgcat	actcatcaac	ccccccaagc	gatataccag	tacgcacaaa	360
ggaatcattt	gataagctga	tgggtggagcg	tttcatcacc	cgtgatgcca	tcgccgccgc	420
cgcgctcggt	ggtcaactcg	accagaccgc	ttaaataatg	agcgacacgc	gcgaaaagat	480
ccangaatat	cgccagggtc	gcacaganta	ccgccaatng	ttcc		524

<210> 2083
 <211> 416
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2083						60
agccagtcac	cgtaccaaga	ttaccctggc	cagcacccca	gtgttgccaa	ccttcgtggc	

caggccaacc	tttcccctgc	taccggtggc	ggtcacagca	gatcaggcac	tgctctgggt	120
ttcagcagtg	gctcccgcctc	tcctatgcct	gatgccatgc	gatcacagtc	atcatttgac	180
ttccagcacg	gccagggcgg	ttccaccgac	atggctatcg	ttgagtcaat	ccgctctgtt	240
ctctgcgagg	ttgatcttga	taccgtgacc	aagaagcaag	tccgcgctct	tgtggaacaa	300
cgtctccaga	ccgagcttgt	tggcgagcgc	cgcacgttca	tggatcgaca	gattgaccat	360
gagctcgaga	atatgtgatt	tgaatattag	agaaatgtgg	aaatttgtgt	ttttat	416

<210> 2084
 <211> 508
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(508)
 <223> n = A,T,C or G

<400> 2084	
tttagacaca	accccacgat cgccaacgct ttcaagagtc aaaggatatc catttgaggg 60
gacaggaggc	cgcaaatatg ggtaacaaca cgttttcgtc ctccaaaccg accacgccga 120
ctacttcagc	tccaggttcg gccacgggtc atnttcatgg ccacnaatct ccccgccatn 180
atctgcgcaa	ggatgcccgc aatatnatta cggggcacac gcatngntct gccgcgccgc 240
cggagccttn	tatggcccag gccaggggtc caacgggtgat caatcggcaa agagtttgcc 300
tcctacggng	gtgtcttntn ttagcgggtc tccacacagc aactttaccg gggngcataa 360
gactgcttnt	tcctntgatg ctaaggccat cgccgaaaaa caagnctgc acccctgaat 420
ccaaatcgca	ccattgggan naaccgacaa gcccttgacg tncctatgga gttttttttt 480
tacaancaca	taaatcccc acgtccac 508

<210> 2085
 <211> 254
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(254)
 <223> n = A,T,C or G

<400> 2085	
agcaagtcaa	ggacaaggct gctgaggcca gcgccactgg tgctgagaag gttaaggggtg 60
aggtaacaaa	gcgtaccacc cgcagccagt cgtaagggga agacagaaaa gatctaatac 120
gactgggatt	gtattaaagg aatcatacac ttcaaatcgt tcagaggaaa tcaaggagta 180
tgagaagtaa	gaagcaagtt gcggaggaaa tattcacaat tgttatgaaa tgaaattttg 240
ttcttttggc	gaan 254

<210> 2086
 <211> 520
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = A,T,C or G

<400> 2086	
catatagttt	atagtagagt caccaagctc ttgttcgagt gcctctatca gggtgtctat 60
ctctttcttg	gggcattctt gtctttcttc ttgcatatcc ttgacaacat ggactcttac 120
tttaaccana	anacagatac tgggaccagg gtcgaggcga tcgctgttga ctggctcagct 180
agcgttctgt	acagtccgat accccttcta atgtgcacct acaggggaaa aggctgctcc 240

tgcaggatgc	gaatgatcga	cgatTTTTtct	gttggttagga	tacggacgtt	caaatcacga	300
aggccattgg	tctcggattg	gttctcagct	acattcgctg	caanacactg	tcctctgacg	360
tggttaaggtg	gtgagacttt	tgatcggcgg	tagttgcaaa	ttgttgtcgg	gtggcaaagg	420
atcccagcca	ccctgttgca	tgaaaataaa	cggggactct	tgctgtacat	anantctctg	480
tcntataggg	tggncaaang	ggaatggatn	tttccaagac			520

<210> 2087
 <211> 655
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(655)
 <223> n = A,T,C or G

<400> 2087	
ctcgaccctg	tgacgataca
gtgcgacgtg	acttgctgct
tccccgccat	tgctgcctcg
cgggggctct	tgtgattcac
cgagcatcat	gaagctaaac
catttatagt	ttagccatct
agccccgcgc	gcatgtccag
tcaacgtgag	ttgggctggg
tgctgctgcc	acctgctaag
gtgccatctg	ccctgggttt
ctgttaatgc	ccactgtaac
ccgcgttgct	gcctctcaag
tcaaaacaag	tcaagacaag
tctgcgctgg	cgcaccgctc
atctgtaggt	gtttgcgcgt
actgtgtctg	tgtcactgcc
accttctgtc	actctatgca
tttctcacc	tcaccttaatt
attctgcctg	acgcaagcaa
accgtaacct	agttnttttt
ctcattttcca	acccttnatc
ttccttttct	tccccttctt
nccttntttc	tcaaccacaa
cttttncaact	atthttgctgn
ctgaacccaa	cagtcattgn
gacacttgaa	ttncaccact
cttgacagca	cacttaccgc
ntcacaacaa	ccatnaacgt
naacatgcgc	agnaaattca
anggacgaac	aaccttttca
agaagcgcaa	aggtgngggc
gccntccaaa	aaaanactac
gtttcggttt	ttgga
	655

<210> 2088
 <211> 667
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(667)
 <223> n = A,T,C or G

<400> 2088	
tttttttttt	tttttttttaa
ggcttncaat	gttgctgtat
ttttattgtga	tggtgtaaca
tcacgatgat	agacatgagg
gctttgggtc	tacgtttgca
gacccaacat	gacggcacag
ttcaattctt	gtgaaactct
agtccgcaaa	cgtcgatgac
gcctttcatt	ccatgttgct
caggcaaatt	cccaagtcca
gagagggtta	atgtgagtca
gatgcagcca	anaacgaggc
gtccgggggt	agataaccga
cgcccttggt	ataacaactc
caacacaacc	tctgagtttg
gcaagagggc	agcagtctgg
ggtagttgtg	acttctncaa
gctgggaggc	ggtgctggct
tccccggcgc	tgagggtgaa
ctcgacgagg	aagagggcga
cgacgaagac	atgcccgcg
tcgagggtga	cgacaagaaa
ggacgcccg	ccccgctgct
gccgctactg	agaagaagga
ttaaatccaa	caaatatgat
tgtttgacgt	tgccaaaggc
gagcatttct	gaactatagn
acaggattag	gctgggtaac
tttggcgtn	tgccatcaaa
ggnaggctta	tttctcggt
atgtagttn	cactgcattg
cctgttttna	tatggaagca
aanaaatgga	aaaatcgta
acctatg	
	667

<210> 2089
 <211> 512
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature

<222> (1)...(512)
 <223> n = A,T,C or G

<400> 2089
 tgtttttgttc ctgaatcaac ccgctcgtcag gccagtgaat gtcacgtcac cgaaatacat 60
 acaagccagc acctatcaca ccttcactta acctttacat ccatagaacc aaaagccaat 120
 ttttttgtcg caaccccaag ctccaactgc tcacaaccgt ctttgcttct tgaacgactc 180
 tttcatctcc attttctcac gcaatgccat catcatgacc tctcaagctt catcatcgca 240
 tcctcctgcc tcattctaaca atccgnttnt taacatccca accagacctg gaactcgaca 300
 tcctccccc aaanaacaac cgtctcgtnt aaaatacctc ctccgcacac gttatcctcc 360
 gcagtanggt gcgttaatct acaaggcgat cctcctgagc ctccggggtca gtnaatttta 420
 aacgcctccc cgcgtgngca catcgacaat ccaaaagnaa ggggaagntg caangcccac 480
 gtgatagggc tacgtaatgg tccatcgggg ag 512

<210> 2090
 <211> 136
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(136)
 <223> n = A,T,C or G

<400> 2090
 ntntgccaan gtccttntgn gcgttngtta tangagcact gccctttttna acacgggctg 60
 ntaccganca atcttgtcat tgcgcntcna aaaagananc ccaaacnttt acantggccc 120
 anggcattat aacccat 136

<210> 2091
 <211> 431
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 2091
 aggaataccc gctgaactta agcatatcaa taagcggagg aaaagaaacc aacagggatt 60
 gccctagtaa cggcgagtga agcggcaaca gctcaaattt gaaatctggc tttcgggccc 120
 gagttgtaat ttgtagagga tgactttgat gcggtgcctt ccgagttccc tggaaacggga 180
 cgccatanag ggtgagagcc ccgtctgggt ggatgccaaa tctctgtaag tctccttcga 240
 cgagtcgagt agtttgggaa tgctgctcta aatgggaggt atatgtcttc taaagctaaa 300
 taccggccag agaccgatag cgcacaagta gtattagatc gaaagatgaa aagcactttg 360
 aaaagagagt taaaaagtan cgtgaaattg ttgaaaggga agcngtttat taaaaaaaaa 420
 aaaggccacg a 431

<210> 2092
 <211> 616
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 2092

cagggcctct	gaaatctgtc	ccctagttga	tctccgagct	agtacttgaa	cttgaacacg	60
cgcaatttcc	atatccgaag	caatttcattt	tctacgactt	atttcctcct	atacactcaa	120
tctttgtact	tctgtcttct	cgattccttc	actcgtaaac	acttgaaccc	ttcagacacg	180
atggcgcaaa	ctccccagca	acgacgacgt	aacgaggcct	ttgccaaagg	caatgagaac	240
aagatgggca	aggccgagca	gcaagtcaaa	aagcgggttg	agaagggtcca	aaagtcaccc	300
atctctatgt	tctggctcag	tgtcctcggc	tctgttatct	tcggcgggtct	tgtcttcgag	360
ggctctctccc	gattcttcgg	ttaaacctat	tcttcgatcc	aacctctctg	tcctacaaaa	420
cacaaacaca	aaaaacccaa	acaaacaaca	cacaaatccc	caatcaagct	tcgctcaagc	480
ggnggcattg	taattctttg	gagatataag	aggtgttggc	agcnttggcg	ccgtgcggtc	540
tacatacgag	cgnggggtccc	aagtcaccca	tccaangagc	tnaaaagggg	gcagggcctt	600
tactggnttt	natggt					616

<210> 2093
 <211> 167
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(167)
 <223> n = A,T,C or G

<400> 2093						
nnggggattt	ttaccaaacy	catgcttaac	caaaaggatn	tgnccccgat	ngggnttttag	60
cnaccggggg	atttttttag	gaaaagggaa	aacttgacct	gggcgtttac	tccggctaaa	120
ggcntttana	gggcnttttt	ttgcaaaccg	gggggggacca	aaagtta		167

<210> 2094
 <211> 546
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(546)
 <223> n = A,T,C or G

<400> 2094						
cagctcctcg	tagctccaga	ctttgcttgt	tacgaccgac	tgcacgactc	aagccaaaat	60
gtccgattct	accgttgccc	gtcctcctcc	cagcgccatt	tccaggccgn	ttagcgagtc	120
tnntctcaat	gagaagnggg	accgctgcct	ctccaacctc	ctcgtcaagt	catccctcgg	180
tctcggtttt	ggtgtcgttt	tctctgtcct	cctgttcaag	cgaagagcat	ggcccgcctt	240
tgctcggcgt	ggcttcgggt	ccggccgtgc	ctacgaggag	tgcaacttca	gcctgaagca	300
ggctgcgcga	gacttgaaga	agcanaccgc	ataagggaac	tgcggtattg	gcgtcnacta	360
aaagacgagt	cgtttatattg	taccaagaac	aaacacacca	gaacatggng	gggtgttaaa	420
aaaagggcac	ggagatcttt	gccatggact	ccagggagag	ccaatgtcan	aatangacgt	480
tttttccaga	tcaatagagg	nattatgnac	aacanccctg	gcatttttta	atntttaccc	540
cagtct						546

<210> 2095
 <211> 555
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(555)
 <223> n = A,T,C or G

<400> 2095

ttcaaagtaa	aatgggtatc	ttagtattca	tattcataac	actagaagga	tgatccctgg	60
gaaacacaaa	gttgggccaa	atgtctattc	gacgtagcag	cataggtaca	cagggcagct	120
acatcggaga	aaattgatca	agacaaataa	cccaaattgg	gttttatagt	tttttcctca	180
atacattaac	aatccagaaa	accttccgtc	tcataaatac	caacaaaaga	atcaatgtat	240
gtgcgcaaca	gagtctcaat	ataccagac	tgtcccatat	ccagaagaaa	cgagaaaccc	300
tctaaaatgc	agtcataaag	tcataaatac	ccacccatga	accaaagatc	aaatgggtgcg	360
tgactccgct	tacaaagcga	aagcggccat	gacgaagacc	agcaataacg	gcaacgggag	420
caccgaaacg	ggctcaccat	atttnttggg	ctggcgcat	tncctaag	acgccagcg	480
aaacagctgc	cgcagtcggc	aacggcacag	caacancaac	agcggagtcg	acgagcctgc	540
cctttnttcc	ccgaa					555

<210> 2096

<211> 1004

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1004)

<223> n = A,T,C or G

<400> 2096

cggcctcgtc	gctcgttttt	tgtcgtttca	acaacttcag	cctctccgat	ttgggctttt	60
actaaccttt	aattcacctg	tacaatggcc	gaccaaggag	gagctggcgc	tggagccccc	120
gtaactacca	tcgtcccttt	caacaaccaa	caagttcttc	cagcttgtgc	cgccgcctgt	180
gggtccctct	acgatgccaa	cggcgccgtg	gttccgcctc	aagtagccgc	tgatgccggc	240
cccaaggcct	acacatcatg	tttctgtctc	gaccagcgag	tcgcccgttt	caagactgca	300
acccaggggtg	tatgcgatga	agcatgtggg	gcagaagggtc	tttctcaat	cgctggctgg	360
tttcgcagca	tgtgcggtac	cgcgaccaag	acgaatgggg	gatcaacaca	acaaactgga	420
cagggttcaa	caagctacga	cggctggaga	ttcttcatca	actgctgggt	caaggctttc	480
caacaacgag	ggtgggtggg	actggatttc	aaaccatttg	cagtgggtca	tcattgattgt	540
tggtctcgtt	gtcggcatca	ccgctatctg	ggtcgggtgc	tgcatattggc	gtcgtcgcga	600
cctgaagaag	aaggatcgcc	aatctcatct	cattcaaaag	cattncgggt	ccgctcgcga	660
ccatcctggg	gtcccgggtat	ggaggcctct	gagggcgcca	taccttacga	cgacgaatcn	720
aaccgaaatt	cgcattggcct	catgcttccc	ggcgccaccc	gctngtgctg	tcgaaagagg	780
agccaaagga	gaagaagcga	tngatcgctc	cganccgaaca	tgatgatggg	catcggtcca	840
ttaacgcctt	ttccgacctc	gtaccattnt	ctttgcata	ccgagttcaa	tcaaaagaaa	900
nttcgacctt	ctcttntcgc	ttacncatan	acgggcntta	cactttcggc	ttgtttnttt	960
gagggatcca	ctgctttgat	ttgnagttaa	ctggcggttt	nccc		1004

<210> 2097

<211> 590

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 2097

gctgaaatct	tagcaccaca	tataaggggc	cggtctgttc	tgctcacagct	tttgcgcgaa	60
aatgactttg	aatgatgcac	atagaagggtc	tattgtttggc	aaagcatttg	cgaattggct	120
ttcccgaag	gaagcctcaa	tggtgcgtgt	attggttttc	gaagatcagg	tcggagcgac	180
ggatgcttga	ttctaagacg	gatatgttac	aaaatctcaa	gggttggaag	acaaaagtga	240
cttgattact	cgccaatgtc	aagggccttg	tttctttggg	gttgacgggtc	gagtcctatac	300
ggtatggact	tttgtttgct	ggggcccgctg	tctgttttat	atttcacaag	cccgaagcg	360
acagaatctc	gggttcgaca	ttttttccat	ctcgacatga	cggtagggga	acacacgggg	420
antcattgat	ttgtcctctc	tgggcttcat	gggacgggtg	cggtactact	ggaaaatcng	480
ttacggggtt	ggtgcatacc	aaaggggant	ttttaaggtn	tattttgctt	ggccttgtna	540

ctcaatatcc antcncccggt gtcgctcata ctgaaccnac acaaactaac 590

<210> 2098

<211> 153

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(153)

<223> n = A,T,C or G

<400> 2098

ngtaagaggc gttanngtct tggettgcanc	accaaacttgg gtcagantta ggtctatnta	60
tgggatactc aacggtnaga gagaatttnn	gtggagcttc gcgacggntn ctacatngga	120
cagccatgca tgaatcatca tgtnnagaag	tta	153

<210> 2099

<211> 508

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(508)

<223> n = A,T,C or G

<400> 2099

caattatcta aaaacccttc tctccacact	tcgctcagac cgaaccacgt cagacgagaa	60
tcaattctgc tgtagccaca ataaacatct	ccacagtcac cgccgccacc aaagaaaata	120
tttctgccac cattcaaaagc tttgcttcgc	tcaacctctg acagccccga ttagtaccgc	180
gagctcccga ctctcccctc caaacccttc	ggccctaccg accagcagat tgcgaccgat	240
atcgaccac gatgccggcg tttcaaaaca	aaaagtcccg tccacggccg acatgaaaca	300
ggatcggcat ggcggtatcg caacctcatg	aaacaagcac ccattcctca tgtncgggct	360
gcccttcctc accgtcatcg ttgctagctc	cttcgctcctc acgccagcca tngcggtccg	420
ctatgaacct acaacgcnaa gttcgcngat	gacnaaggan aagaactcac ntgntcgatt	480
gccanaaagg tggactgaag gaagaata		508

<210> 2100

<211> 539

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(539)

<223> n = A,T,C or G

<400> 2100

gcaaaccaac actcaaaaagg gaagcgatga	atgcgagtc aagatcgagt ccaagtgcgc	60
caagcagaac cctcctaaga accttgctag	cgacgacgac ggcgatgacg ataccagctc	120
cagtgccacc gacactgcta ctgcctcggc	cactcagact tcgctcggacg ctagtggcac	180
cgcanangct gtgtccacaa caacttctga	tgcccttctg gcccctacca tggcgccagc	240
aggcaagggt gccgccgccg ctgttgctct	cggcatgttg gcatacctcg tctaagtgtt	300
ttcggggctg aagcgtgggg tgctgcgac	agcagtgcca cgacaccatc ccggcacccc	360
accgccacgt gccgtacctt gccggtgggt	gtcntgtcgg gggtgctcaa cacttatttt	420
cacttctact gccattttta ttacacagta	caccttttctg acatgcaacg cgataccttt	480
tgatgaatta aagaccnaat gatgcaagct	ttggtaaagc ttggatgaag taatgacac	539

<210> 2101

<211> 561
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(561)
 <223> n = A,T,C or G

<400> 2101
 cttcatcttt caacatcaca ttgcatacct tgttcataac ataaaggctt tggcctttat 60
 acatacccac ttcctcattc acatcatata cacattcgta cacacaaact catcgacttg 120
 acatgatcgc atcgctctca tcgtcgccac ccacgtccat gccttactca acttcccccg 180
 actctcacat ttacaacacc gacaacatgg ttcgatcatn ttcagcagag cccgcaaaga 240
 gctcaagcga aagggccccc aagcggtttca cactcacacc atnacaactt gcgcgcaaga 300
 naccaacgac cgagaggntn agcgagctat nagggcgcca accaaggaca catttgtcgt 360
 ntggagcgcg aattggagga ctcaaaanca agcagagccg tgatcanacc gtccaagact 420
 ttttaacgga ccagccttgn gagggcttnt gcgacttaag gaaacatggg cgtttaata 480
 cctatnacct tatttgnact gggacnatnt ttaaacaacna accttgtnng tncctacaac 540
 ctcacggata tgggggttctt a 561

<210> 2102
 <211> 492
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(492)
 <223> n = A,T,C or G

<400> 2102
 gttccaaact aatgccagta cgcacaaaat tttacctcct tgtgtaactt ccactaatca 60
 ggtctcctct ctaaccttcc agccgtcaag tcgtcgtggt atcggtggag tatcccgaga 120
 ttgccacgct tacagagaga agagagaaga gacaacnacg ctnaagtaca gaaaagacaa 180
 aattaacaag tcagcttacg ccatacaagac ctaacattta gcctgtttat ttttgcacca 240
 caatccaact tttctttgcc cactcccgcg tttagcatct tctccacgca atccctagac 300
 tgacctgaaa atggagtcga atgcaagcat cctagtgcga actgtcatgt gatgattatc 360
 cttgttggtc cttctanacc cttgcggtta aggggtgtcc cntagacaac atcagatata 420
 actgcgctcc ncttcaaggc acttccacca gcaggacatt ctcctttcca cctgtcactc 480
 aganaatcct tc 492

<210> 2103
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 2103
 ttataattga ctttcgtttt cacttttgatt ttgtcttctc atcgactgtc gtctgtgtca 60
 ttttcatatc aaacgccaaa gtcacatttt cactcgagtc aaactgatct actagtgtag 120
 tcaactcaaa cgcccaatat ctgaaccatt tatcgttgac cccgccggca accaccggct 180
 tctccttttg ctttttatct ngaggctcgt cttacccttg ttaaagttgc atcaagctcg 240
 gcagtaagag ctgcaggagg cttcgtcaac acttaactat cgatatcttt gtgttcacga 300
 tcctgatctt ggtctgaact attcggcact ccttacgag ccaaacaatc tcccagagct 360
 ggaatatctc aagtgtttct cgggtgaactc tatagactcg aacacgacct tctcacttta 420

naactatcat	atcggaagaa	tttgttcggc	tgccagccaa	catgggatac	tnntttaccg	480
cngagatcgg	ggggncaacg	cccctttgtn	cccggcgga	aanctcaact	tttattnngnt	540
gccattcang	aatattcccc	atgggcaaga	tttggcccca	cccancttta	aaagaccatg	600
tgttgggccc	atTTTTTact	cccgggcgtt	n			631

<210> 2104

<211> 531

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(531)

<223> n = A,T,C or G

<400> 2104

agcgtagtg	acatacatga	aacgtttgcg	cacacagcgc	gaagaaacct	cgaaaaacca	60
gaaaagccaa	gaagaagaaa	gaaaagaagg	cccgggaatn	aaaaccgaaa	gaacgaagca	120
acgcctccga	aagctcatct	cgccaaattc	gaaggatcgt	gttcaatgaa	attaaccgaa	180
tcgtctgaag	aaaggctggt	cgcgaaactt	ttngaccgca	gagctgaact	cgaagatgaa	240
actgggtattc	tcagcgaatt	atagcatt	nccagtgtg	aagcgcccca	accaagacac	300
tcccggaaga	acnagacaag	cgatgaacag	aaggctctag	cgtccttgaa	ctttcaaaga	360
cctgctggcn	gaaggagcgg	aatacaaaaa	tntgtctgcc	nccagcggta	tgccctcacia	420
cactacgcng	ttcnaaaact	ctgggcccgat	gccgccgcgc	gagaaaaaga	acactctgcc	480
ngaccctcnc	cccggttcnc	ccnaacgggg	aaaccttatt	ggacccgctg	c	531

<210> 2105

<211> 320

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(320)

<223> n = A,T,C or G

<400> 2105

nggccagctt	cgccaccagt	ccctataagg	caaccancca	ataacatcaa	tagacgggtca	60
tcangaagga	actcncaaac	agtcnttctt	ctgaaggagc	tggaactctgc	ccnaaacnca	120
aatgcttggt	atgcttctga	attggagctg	gcacggaagg	ctggctacgt	ccccaaact	180
tngtatagtc	ctttgcttga	cancaangcc	actgatactt	tcgacgatga	ggatcgaccn	240
ctcataagag	gctttgttag	caatgagatc	cgagctttgc	caatgtccac	accgnanttt	300
aaaagccagc	cgtgtctctt					320

<210> 2106

<211> 177

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(177)

<223> n = A,T,C or G

<400> 2106

nggctttttc	ttgtngaaaa	aaacnttggt	tttggaaantt	gggacnaaaa	aaaaaaaaacc	60
cccggattcn	ggcctttcaa	tgggataaacc	ctanccantt	ccttgggaaa	ncccgtagga	120
tgggggggtcc	tttgggntaa	accccaaaac	aattcccggga	cctgnaggct	tttgggc	177

<210> 2107

<211> 473
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

<400> 2107
 ncgccccgcc ttaaactnatt agatttttga tgccaaccca gatgtgatag ctctcaaattn 60
 ggggatattnt atnttgcaaa tacagagaca acgtgccccca ccgatattca agcgctcagc 120
 cgcgcaaaaag atgaggctgt acaaaaccct gaagcattta taagtgcact tgctcgcaac 180
 aagatnaata caccaccag cgacgatagc gacagcgatg atgacgatag agagatgagc 240
 gagcagggtc cgggaaacaa gaagcaagac cccggngaag gctncttcaa gcagcgnatt 300
 gttccgaacc accagcctgg aggaatnttc ctcagccgca aaacgttggt cgctgcccc 360
 ataaactggg cttaatatgc tgnagntggc gactccctgg ataagctgca caacgaacaa 420
 gtcgcccgttc aaaccanggc acgccggcaa ccgngggcgc aaacggtttg tac 473

<210> 2108
 <211> 628
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 2108
 tttttaacaa acaaatcatc atgctcatgg tctacgtctg ctactaccaa attcatttga 60
 atcgtctaata ggccttaaaa cgctcccaa tccanatcaa aagctccttc actgatctcg 120
 aaagatatat cagtgtccag atgccactc aacagcacca cttcacatgc accacgctca 180
 ctactaccaa caccatgtca tcctccgcta attttggtat cattgaatga ttaaactgact 240
 tcgcccggcaa tggcgaaacat ctaacctcag cttcacttgc ctggngaggc ccataagcct 300
 tcatatctag gcatacaagc agctgacgcc gtcatgcacg gtgtattttt gttgcaccca 360
 tgatgggatt tcctcgctgc aagatgttta ctgggaagcg cactgcacgc gctcaccacc 420
 ggggngggcca tcctcgctcat cgcattccatc atgccgcgga gccaccgaaa actntgnttt 480
 gggcaaaaagt tgctcngangt ccttcaggct ggcaggctcg gacatggcat caccaggaag 540
 aacgttctgg acaacagggg ggggngaaaa acctttcgga ngcttttnaa aaacttcggg 600
 gttattcggg ccaattnttt ttggggaa 628

<210> 2109
 <211> 132
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(132)
 <223> n = A,T,C or G

<400> 2109
 nttatataa naagttgctt ngnaacacac ttctatcata gncaattaga acntttgnga 60
 gatgcgtccn tntttgcana atanttctaa tttnttttgc tttctctggg ngccttttnc 120
 ncattcattt at 132

<210> 2110
 <211> 616
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 2110

caaaacatca	atacaacaat	ttccattttcc	ttttttctata	tttccttatt	tcctttgtca	60
ggtcttattt	ccttacaaac	cttcgcttct	tctcagtcgt	ctttgccaac	agtttagttt	120
cacttcattg	tttccaattg	tcaattattt	cgactcttct	cccatacaac	gatattcaaa	180
atgcattctg	ccatctttgc	catctttgct	atctccggtc	tcgccgctgc	ttctcccaac	240
tccaagcccc	agaccgaatg	tgagggcctc	gctcccctcg	gtctcgagtc	agtccagtac	300
tacgtctgcg	gcaagaatgg	cttnctgtga	tactgtcccg	aagacccttg	cgacaagaag	360
tggtgccgag	actttgcctc	aagacttgcg	accttgncct	catcactgag	cctgaaccac	420
ctgtcgtcgn	caaccctgtg	taggtggcac	gagtgggagt	ctgagacagt	tccactgncg	480
ccctcaagcc	acttcactga	cttccatcgg	cgaatgtgct	cctggaacag	gatttttcca	540
gaactggtcc	aacggcttcg	tgggatgctg	caagtctgag	cttgactggg	cgatgccggt	600
gtctggcccc	atacca					616

<210> 2111

<211> 526

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 2111

ttcatttttc	tcaatgactt	cgtttttttg	tattattctc	tcttttttct	aaccaattga	60
tattattatt	ctgtcttttt	tctttactat	agttatttcc	gttcttttatt	tccttccact	120
gtctttttaca	acaatacaat	caataccaat	cgagaaccta	cgaaagaata	tattttctct	180
ttctttcaat	atcaacaaca	aattccttcc	ttattctcat	tattctatac	cggtttctta	240
atgcttgga	actttatcgg	ggtcagggac	caggattcct	attcgaactc	gacatttcta	300
tctcccacgt	ctgcgacggg	ttacagcagc	ttctctacca	acaacaatca	atatcaacaa	360
gaaaacgaca	caatatgcgc	aaaggaacac	gccctcctcc	gctgaactca	gcacgtccg	420
aagccgcggt	ctctccgnan	tctcgacacc	ctcagccatt	gccanggaag	tcactccgct	480
actgacactc	tccggaanaa	ttgatnaacc	tcaggactgt	cctcgg		526

<210> 2112

<211> 409

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 2112

atcgaactca	aaaatgaggt	tcctccaaat	gggccganac	nagttattcg	gtccaacggt	60
ccaaatctaa	caaaattgct	ggtggttttg	gaaccggcaa	aatcgcagca	tgagttaatt	120
accttanttc	ccctccgtac	ggnagtggat	caccccccta	catcgaatgg	nggctacccc	180
gaggncgcac	tcanattttg	ttgaacctag	gttatcaagg	atatcaggac	atcagtgcac	240
nacgcggggc	tgacacgcgc	aagctgtggc	taaaatcctt	tcattcccat	tcatgcntgc	300
ataataaact	gcacaacact	tgtcatgana	ccattgttta	tgcaacaaat	catggattac	360
tggtcctgac	tggtctactc	aggtaattac	cgggcgatga	taccggagg		409

<210> 2113
 <211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 2113
 TTCGCGTCTA CGAGTTTGGC CCTGAGGATG GCGAAAAGGT CCTTTTTGTC CATGGTATCA 60
 GCACGCCCTG CATCACACTT GTCCTATTA CCCTCGCCCT TTCTAAGCGA GGCTACCGAG 120
 TGATGCTCTT CGATCTATTC GGTCTGGGCT TCTCTGATGG GTGTCGCTGA TATTCCTCAC 180
 GATGCCCGTC TCTACGTCCT TCAGATGCTT CTCGTTCTAA CTTTCAAGCC CCTCTCGCTT 240
 GGGAACGGGG CACNGAATGG CTTTTCCCGA ACTTTGGTCN GGTTACCTTC TTCTCGGGNG 300
 GCGGGTAATT GGCCAATCCC ACTTTTGGCG AATGGCTTTT CCAAAAACCC TCGGTNCCGG 360
 TGAANTNTTT GGTCCCTTTC TTCGCCNCA AGGCTNGGAA CTTTAATCCC GCGGCCCGGC 420
 CTTNCTTTCC GGCCCGGTGG TCTTCCCGG TTTCCCTTCT TNCGGTCTCT TGGTCTTTCG 480
 TCCCCTTGAA GCGGTNATTT TNGGCCTTGN AANCCAAACA ACGTTCGGGT CGTTCTTCA 540
 AGAAAACCCC ATTCGCTTGC CTTTCGGCAA AGGGCCCGGT TTTCTAACGG NGGCCCAATC 600
 GGAAATCTTG GTCACGGAAC GCCCAC 626

<210> 2114
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 2114
 GTCTGAGCCA GCACACTGTC GACTTCTTCC TCAACGATAC CATTCCCAAG TGGCACACCG 60
 CTGCCAACCT CACCACCCGA GTTATTCCCC CGGTCTTCCC CGTCCAGATC CCCGACCCCTG 120
 ATCTCCAGCC CGGCATCTCT CTGTCTCTCC AGGGTGATTA CTCTTCCGGC CGACGCGACT 180
 ACAACGGTAT TTTCAACCAT CTCGGCAGCG TTGTTGAAA GGCTGGCGAG GAGGCCGAGG 240
 GCCACAGCCC CAAGAAGCTC AGCCTCCATG TTATCGGACA TGGTACTCCT CCTGAGGTCC 300
 CTGACCATGT TAAGGACCAC GTCCACTTCG ATCAGGGTCT TTCATACCCC GACTTCTACA 360
 CTCTGCTGTC CAAGTCGTTT GCTCTCTTCC CTGCGTTGCG CTCTGATACA TACTTCGACC 420
 GCAAGGCTTC CTCGACTATT CCGCATCCC TGATCGCAGG AGCCCCATC GTTGCAGACG 480
 AGGAGCTGCT CAAGGCTTAC TCTTACATGC CTCGCGAGGC TACTTGTTTG GCCCGACCAG 540
 GTGAGGGCGA GATGGATGTC ATCGAGCGAG TAATTGACGA CCGAGACGGN TTNCTTAACG 600
 AAGACAAGCC CGTGAGGGAT 620

<210> 2115
 <211> 412
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 2115
 CTCACCTCATG GTAGCCATTT GCTACCACAA ATCGTCCGCC TCACGCCCTT GAGGCTCGCA 60
 TAAATACCGC CGCTCCTAAT ATCCTCCTTC CGCGGTATCC ATACCTCCTA CAATATCTTT 120
 TCGACATCCC TCCCATCCCT TCCGGCGCCT GTCGACGCAG CACGATCCGA ACAATGCCTT 180

ccctaacggt	cctcatacct	ctgggtcattt	tgatcgccct	acctctgata	ggaaaacttc	240
ttcgcacgtt	tcttgggatg	gtctcttcga	aaacaaacan	aagggtcgccg	cgcccacctt	300
ctgggcctca	tgacaaagga	agnacacagc	tgctcttcnc	aagggacccc	caaggtacgc	360
tgaaaaaaaa	ccnctgnttc	caacttttnan	aaaaaccnng	caaaaccctt	ga	412

<210> 2116

<211> 624

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(624)

<223> n = A,T,C or G

<400> 2116

accattttcca	acgatatgac	cctcataaaag	tctgggcatc	attgacagac	gtcgtttatac	60
ataccagcat	ctgggtgccg	ctcaatcctt	ctgtcttctc	tattcctctc	gtcctccaac	120
ctcttcattt	ctacctgata	gtcgatacta	tcattccatct	tcataatgag	gtctctttctg	180
actctcacat	tggccacggc	tagttcagct	ttcgtcctcc	cagagtcgct	caatatTTTT	240
aatgattttca	aagacgatct	caaggaaaact	ctagaggaca	ttccaaagcg	tctccgcaag	300
tctcttgatg	aagcgaccga	tcagctctcc	actgagatct	cttccgccat	tcacagcaag	360
cttcaagatg	aagatgcttt	ctttcacgac	ttcgtcgaca	acgatgtcac	cagcagcgac	420
gagccccgtg	ctgtcttttg	tagaacangt	ggcgacttca	cagaccacac	cacatatgaa	480
ctcatcgctt	agagtaacca	cacaaagaag	ttcttcaagc	tcgttcagga	gcacgaaaac	540
ttttgggaag	cttctgaata	gcactgataa	gaactatact	ctntttgtac	ccccccgatg	600
anggcctttg	agcatattcc	tgan				624

<210> 2117

<211> 623

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 2117

ttctgcatct	ctaactaatt	tcctcttggc	tattcatcac	tctcgttctt	ggttctgtca	60
gtgttaccaa	ctttgtcggt	accgacaaac	gcttggtaat	cactttgaca	gttggaaattc	120
acctgacttt	tgttccttct	tcgggtcggtg	tcttgggtgat	ctcccctatt	ctgtttactg	180
atcgactctg	caacaactat	ttgacactcc	gcttctcaag	tctactaccg	acatcatgcg	240
tttctccaag	cacgtccttc	ctctcgctat	gctcctgacc	ggcgccattg	ccgcatcaga	300
cgaggagtct	accaccgctg	tcgaaaagtc	caaggctacc	gacgacaagg	ccgnaaagac	360
aaccgccgac	gaatccaata	ccgaagacgc	gacaggggaa	gccacggcga	ctgccactgc	420
cccggaaaaa	acgacaagga	ctccaagagc	gacaagtccg	atctgagacc	aacaccaaca	480
ctagagagaa	ggngggccgnt	tcaaaacggt	tctgagaagg	gaacggacct	acaatccttg	540
ggacccttct	ttacccaaan	taccgttncc	gaaattaacg	cggtnctntt	tacctatgac	600
ccntggnggt	ggggggggtt	atn				623

<210> 2118

<211> 417

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(417)

<223> n = A,T,C or G

<400> 2118
 cggcatcaca aacaaagata aactcaatgg caccgtnaaa agatctaggt tnggggtcaag 60
 tcctcgcccg anccctntcc tcatacaacac tctctcaacc accaactctc gtctcccgcc 120
 aaaccgtcna naccgtcacc gttactgcan acaatggaaa cagcncccaa actctaagcg 180
 gcgganfaat tgctgggtatt gtcattgggtt ccatctttgg aattctcctc cttctntgga 240
 tcattcgctc gtgcaccaac ctagggtgcgc cgccacagga gagggagaag tggatcact 300
 acaaggaaga gcctcgacat catcaccgct cgcaaagtan acggtcgcat cggncganca 360
 tttctgccct cctccattgt ggtagggact cgagatcgag aattatcgcc ggggaag 417

<210> 2119
 <211> 774
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (774)
 <223> n = A,T,C or G

<400> 2119
 ttggtgtata tatatactcg aggaaaggac acctgcagtt tgatagcgtc atttcgatct 60
 accaaccgcc aactcagctc aagccaacac agccttactt atcaaccgac gcctcaatcg 120
 ctggcagcca actctattga cttttcccaa ccaatattcc taccctcaca aatttcttgc 180
 accaaaacat cattttacc cactcgaact ccaactaccg caaaaatggc tgcccctgct 240
 gaaaagacca tcaccgacct tagtggtaaa tgggttctga acaagacact ttctgatagc 300
 tcagagccca tccttgccct ccagggcatc ggctacctta ctcgtaaggg cattggaatg 360
 gctacaatta ccattgatgt caaccaatac agtgcccctc ctaaaacacc aaacacctcc 420
 actgacgtct ttactcacat cgacatcacc cagtctgctt ctggcttgac aagcaccag 480
 gagaaccggt gccttgactt tgagcagcgc gagcactctg actggctatt tgggtgctgc 540
 aagggccggt cccgattcgt cactcttgat gangtcgaag gacgactttt ttcaagcagg 600
 gctggctcgt tgagggccgac ggcaaattcg tccaaagcat tcgcgganag tggtgacaat 660
 ggggtgggtcg ccaaccanaa tctggggctt tcgaagaaaa tcaaggggtga naagaaatat 720
 ntcaggcacn tcctgggttac caaaggttac caaaagggtc ccggccaagc tcac 774

<210> 2120
 <211> 543
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (543)
 <223> n = A,T,C or G

<400> 2120
 ttggccttgt tcagggccat ctcaccatac tactactctc tcagcgaagg gggcaacatg 60
 ttcttatata acgacgctat gtatctggca gagcggctct ctgagtttgc tgatgcgtgg 120
 aanaagcgcg aagacctgac tcccagagcc cggaatatgc tgcgacttga aaacgacatc 180
 aagagcctac aaagctttgc taatcgagcgt taccccaacg agatgaacat ccagaaaacc 240
 atccttcgcyg atttctctcg nggagctcaa agtctgatgc ancaggatga aatggagtct 300
 tgcgtaaaagt ggcaacnggt cgcattcncg cganggcac tgtctggaaa tccattctgg 360
 ctgcgtcaant tggacacang ctttaggtnc ctgntgatgc tggccaacna actgacacaa 420
 cgtccttgaa atgtcttcat tgggangaga nggctcaata tanccaaggc nttgtttgca 480
 caaaactnat gacctttctg ccnccgttta cggctctgaag ggcaatgggn ggtctnaaca 540
 cta 543

<210> 2121
 <211> 636
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 2121

naagtactct	tccaaatatt	gtacattnat	ggatagccat	ttnaagctta	catanactta	60
aggtagntgg	tctccttaat	cttggccttt	ctntnctttc	gcacgcgcct	cttgagctct	120
tctcgctttt	gtgcggcctn	aacgttgtgt	ncaacaccct	tggtctcctc	gccaagaatg	180
ttgatagact	gctgntggat	agggatcctg	ggagctaagg	cttcaagggt	gccttcggcc	240
aatagctngg	nctcatgagc	cttttgacgc	tttgntgcca	gntttctttg	cttcttggtg	300
ttgagaattc	gtnttnagcg	tctgcgttcg	cgaatcancg	tcttcttctt	ccatccaaac	360
acntncacaa	ccactctggg	tactcgcggg	atgtttcnaa	cagggtnctg	cccaagtctt	420
ggtgtagtnc	agtncgctga	gaactcttaa	tccaataact	ctctcttncc	ttcccatcgg	480
ggaatgggca	atctttggga	tgcggaangg	atntggtcat	nanaatttgc	ctgaccattc	540
tgggctacat	tcctgggtna	aataccgcct	tttatnttga	gtccatntac	tttgaccggn	600
aaaggcaagc	ccgggaggcc	gttttgaaat	ggaccg			636

<210> 2122

<211> 298

<212> DNA

<213> Fusarium venenatum

<400> 2122

gccagcgaca	agaagagctt	gcccttgaga	aggagaagac	ccgcaaggct	aagcgtgatg	60
ctgagctcaa	gggtcttgac	gccaaggctc	agaagcgata	cctcgagaag	gagagggaga	120
aggagatgcg	caagagccaa	aagcgacaga	ctcagcgagc	ttaaagccgc	tggtgggaat	180
ttaatatgtg	taaggatata	tcggagggca	aatagtggga	atctgcaatg	ccatgggttg	240
atagtgtagg	agcgaggatc	tgtattagta	gttattaaca	gcctaattcc	ttatgatg	298

<210> 2123

<211> 429

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(429)

<223> n = A,T,C or G

<400> 2123

atcaattggt	cctgggtcgc	atgtaatgca	gcaagcagtc	agagaatatc	tgaagctgct	60
gtaatcatgc	ctcctcgagt	gcgcggcgca	tcgacgcgcg	tggtggcct	cgatgccgcc	120
gtttctatct	cctccaggag	ctcctcctcc	ccattcctcc	gaacgttctc	gacaacgcca	180
tgccgcgaga	aaatgagcaa	gggtcgcgcg	aggatgttcg	agtggctgaa	caatggcggt	240
ggtaggagtc	ttgctgaggc	tggtaccagc	cctaactacc	ttggtcctca	ccaagatcag	300
ccttttctc	tcaaccctt	gttcgaaat	caacctgtgc	tgccgatca	gacacgcgag	360
attatctacg	acaaggtgat	angcaagggt	gagtcgctca	aggcgggtgc	tgctgaaatg	420
cacatcgac						429

<210> 2124

<211> 792

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(792)

<223> n = A,T,C or G

<400> 2124
ctttgactgg tattggattc aaacaacgta ttccgacttc ggcaactgcgc cagtctcaat 60
acttcaaaac agcgacgatc accacccagc aaaaaccgct acaatgcgtt cagtgcgcga 120
gcctctgctg cttctcgctg ccgcagctct ttgctctgct ggcccgcctac cttagagatag 180
tctccatgat gctggctact catacctcat gcgccgagac tgtgactcat actgcgggtc 240
cgacaatcaa tactgctgcg gctctggcga gacctgcgag acctccgacg gagtgcgaaa 300
atgtgtcgct gcnaaaggag gctgggttgg cgactatacc accacctgga cagagaccag 360
gacttacacc agcacactca tgacccgttg ggaacctgca ccagaaccaa ccaagggcgt 420
tgattgtgtt cccaagaatg acgagcagga gcaatgcggt gagatctgct gcgctggctg 480
gcagacttgc gcctacaagg gtcagtgtc gcgcaaacct ggttacgatg cgcccaccgc 540
cgttgtcatc actagcgatg gaaaactcac cacccaatac tcgggtccct accgaatcnc 600
tggtaccacc accatcgta acaacggggc acctactgan aacaatctng ttctgcgact 660
gagaccgaen ccnaaacccc nccccctgaa acaatnatna agctgccncc tggnaaaacc 720
gtactngcgc gaagtttgaa ttcccgncna ttctggtttc ccnttggttt ttccccgggt 780
ttcactgcnc cg 792

<210> 2125

<211> 263

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(263)

<223> n = A,T,C or G

<400> 2125
natttttnaa caacaatntg accaccgttg ccatcantgg aagtcgcnaa aaagaatctt 60
cccttccata anactcctcc tggntgcctc gctctacttg ggccatnata aaaactnngg 120
naaacttttt cnggaccaa agtgcnctgg cccctncact tggaactgga aaggatccgn 180
ggggcttttg nttgattctt cttcggaan aatgaactgg aaaaggtgca ctactgagg 240
ccctcctcan ttnaaaaagg aaa 263

<210> 2126

<211> 519

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(519)

<223> n = A,T,C or G

<400> 2126
gogatggaag ttgactcgct tgtggaccat gttccggcga tcaagcgatc agattccgag 60
ttaccacctt tgtttcctgc gtctggtgat gtcccatga cagatgcctc gtcgccagct 120
gogacccctg ttctagggtc agcagtgggc gacacgtttg caaaaaccaa aactccggac 180
ttgaggggtg aattgcctcc tgtaccgtcg ttcgatagta ctggactggg aattcacagt 240
gogacaactc ccagcctgg ggtgtgcga cattgcctc tttcaaatcc gttaccgagt 300
ccttttgca cgcagccgt caatggcata gctgctcatc ccagtcaagt aaagaagaaa 360
ctcagcctca gcgactacac gaaaagtcgg atgaacaang ctggtggcaa gantgctggc 420
ggccacgctg ttcttaaacc tccatctcaa gccctgaaga nacaaaggtc gacatantaa 480
tcgactcacc tcgatcgana acctacggag agcatgatt 519

<210> 2127

<211> 577

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 2127
 tttgctttcc attgcgacct cgtctatggt atcaggccat cttttcagct agacaacaaa 60
 ttcattgggt cgcctattat catgatgaac atcgaacttc ctgcatcaca agtctgcgat 120
 cgatccaacg cgactgggtg agccaaccag gtccgcgata cccttaagat aacctccaat 180
 ccatcgaaca tatccgctca catccacaca ctgcgctacg agaagtctcc tcagcgaata 240
 tggcaagcat tcctgggtcg ccgcatgtat tggtaacgac ttggggcacga gctgggggta 300
 tggaatcgat tttgggcttg gctctacatc tgtctatgca naaggcattg tccggagatg 360
 gatggcaatg ttttatcaaa gaacacctgc ccctccaaaa gtattggact gataatggng 420
 ccatatatca atccatttgg naaccggtga catgaacacc tattaatgga ctcttggtgt 480
 tccgcggcat ccttannaaa aaaanacttt ttgatgnccc cnggtntcaa aaaaataccc 540
 tggaacataa aaanaaaatn ttngcccttt ttntctt 577

<210> 2128
 <211> 540
 <212> DNA
 <213> Fusarium venenatum

<400> 2128
 ttgtggcatc aatggaaaca tagcttcata cggacatggc cagccatcag gagaagctca 60
 cccccggat ggtcttccca tttgggatcc cactggagcc gaaacttcat acgagggggc 120
 gtataatcaa gccgctcagc gatgggctag agaggctcaa agacagcagc cctcgctaca 180
 cccacaggat tctgcctcaa cagacttttc catggaaggc acagcagacc gtagttcata 240
 tgggacgggc taccagaacc atgcaagtaa tggccatgga aattcatggc tttcacagcc 300
 atccgcctac caacagaacc aaaatgcatt tgcgcacaat ggccatcaag agtacggggg 360
 ccaaacaggc tacaatccgg gtccctcgca tcagcaatta gatggacagc attgggtccgg 420
 gaaccctcgg gagcctactg cttcagctga agaaactcgc gatcatacct atagatggta 480
 ttgatccagt tcggcattga agaagaattt gaacaagact cgaagacaaa aggtttatga 540

<210> 2129
 <211> 643
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 2129
 cgacggtgcc tctgtcctgt caaccggaac ttcattctct cgccacaagt cttctcgctc 60
 tcacaagaag cgctcaagat caaactcgag cgagcgcgga cgcggttcg cagagtccat 120
 ctttggtggc ggcgaccgtt atgggaagca caatgcctct cgcgcttcct tctttgggct 180
 cggaggcggc aacagtagcc gctccagctt ctttggaac aatcgctcct cttactacaa 240
 acgtccccct cgtcagggtc tcgttcaaaa gacctacaag cagctcaagc gtctcctccg 300
 cgatctgggt cactgggcca agcgccaccc ctggaaggnc tttttcatgg tcatcatgcc 360
 cttgtaaccg gcggagctct gactgctctc ctgctcgctt cggcttgctc atccacccgc 420
 cattgagcgc atgctcggcg tagcctncaa ggctgctacg ggcgactcgt ccggcttggtg 480
 gcgaactgtt cgcattgggc agtggttttg gcgnaacact tctggctcgc tggagcgcgga 540
 tcgcactant tcacatggan gaggaagagt ggtgcnctca tggggtgngg cttntgaatg 600
 gncagaagtg attangngcc tcttttaagc agcgaacaga atg 643

<210> 2130
 <211> 589
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 2130

ctcatccctg	aaagcgataa	ccaacaacgc	ctgctgcagc	tgaaacttat	caagaaggcg	60
ggtatcgacg	tgcttcagtt	tgtcaagact	caagcgtggc	tgatgtatga	tgacctgggc	120
ccaccacagc	acggatgtcc	agccaaggga	tcgttcagta	tcatcgacc	cgggccaccc	180
acggcaagac	aaggtcgacc	tgtgaaacca	gatttcctttg	gcgacgacga	aaagttcatt	240
gacacagcac	atgaaaacct	aatccggtca	ctagaatggc	tcctactggg	gcaagaaaca	300
tggccaagcg	tcttctcaat	gggaactaga	atttacaagt	tcttcttgcg	aaacatgcat	360
ctcaatgctg	ctcgccagct	gatgaagcgg	gtgtccctttg	cggatgtttt	gcaggcagcc	420
acagaanaca	gcagtgatga	natggatatg	tacgaagaca	tccccgagtt	ctgggctaag	480
cacttgagcg	gananatatt	cgtgacgtgt	cacctcagca	agccctctca	gacgccccgc	540
aagttccgcg	aactggaaaa	tctagtacga	actctggata	cctcnaaaa		589

<210> 2131

<211> 305

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(305)

<223> n = A,T,C or G

<400> 2131

ttcgctgtga	caagtgcggt	aaaggctaca	agcatagcag	ctgcttgact	aagcacttgt	60
gggaacacac	acctgagtgg	gcattgactt	ccaagttgct	catttcaaaa	catcaacaag	120
tccagctgct	tgaagctgct	tctgttcttg	taaccatgaa	cggcattgaa	ggcaacgctg	180
ccactcctcg	tgagtctact	aaggactttc	agagtgaggg	gggcatnatc	gctgctacct	240
ccaatacttt	gaccctgagg	agcgacagag	ntttgccgac	antacaccac	ctccnttacc	300
gaagg						305

<210> 2132

<211> 259

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(259)

<223> n = A,T,C or G

<400> 2132

cctcgcacag	ccaagatgcc	tcngngaato	agaggcgttc	ttatcgaatg	cgatccctcc	60
atcaaataca	tcattgttag	catcgatagt	gccaaccatg	actacataat	cgaagatctc	120
gacgacgaac	gcgtagtcgt	caaagaaaaac	atggctcgat	gctcaaggcc	aagcttgaag	180
atcgactaaa	ggaaaacctg	cctnccgagg	aggaatctgg	ctnanatagg	aataagaata	240
gaacccctcg	gcnggttcc					259

<210> 2133

<211> 487

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

```
<400> 2133
gggggacggac tccgtgccct ggatctcggg gagatcgctt ccagcttctt cgtcgagtcc      60
gagtaccagg tcaaaaagaa ggatgatgag gagtacaagc ccgctgccaa gtcggccctg      120
aagaagctgt cgcctacgct gctgggtcaaa agaagaagct cgaggctgct gccaaagcgtg      180
ccgagaanga tgctcangat gangctgctc gtcttgctgt tcttgaggag gccaaagaaga      240
tcaagatcac caacgacctt ccttaccgga gcctgtctcg atcggccttc aggagaccga      300
tcctctttga ttggtactct ccgaaaganc aaggacgacc tacagaaggc gtcaagcgtg      360
tttccgttca gggccgtgtc accgtgtggc caagcanggt tgtcttatct ttgtcctctg      420
cgacgtggtc ttactacat gcagtgtctc ctttctggcg atctttccaa gactacaang      480
ctcttac                                         487
```

<210> 2134
 <211> 635
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

```
<400> 2134
gatcgcgacg tcaacctacg cattccatct tgtcttccgt ttcgtcaagg cttgcgctat      60
cgacnaaacc agtttgtgcc caaaaccttc aacctccatg ttacggtttt cgagtctcta      120
aaacaggggt cctggaatca attgatcggc ttgtcgatct aactgaataa agaagcgcgt      180
atccgaaagc agcagcatat gtcggactat ccagggtgct gtctctctna naaactccgc      240
ccgccaagtc tgggttttcca gggcgatagc gacgacggtt ttgacataac gaacttcnaa      300
aagtttgcac acgngngtgt tgataggaat aacnactcta tcgctatcaa tcgccaagtc      360
aaccataacg ccgtcgctca naattcggca gcgaatctac tgataccctc caccgacaact      420
acgtcctctt ctntttatca ctcccagcaa tgaacgccga anacganaca gcggactctt      480
cttcgcccct ggggtttaana accctttcaa tttccagacg cagggtgatct ctgcaggccc      540
tgtcaagtca aacattggga caacgtcgcg gacacagata caaacacagt agtatctcgt      600
ctcaacatca aatcttttaa aaaaccnccc ggaga                                         635
```

<210> 2135
 <211> 245
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(245)
 <223> n = A,T,C or G

```
<400> 2135
atctccttga cactagatcc atcaccagg cacagtcaag aacttcttgg agtacttggg      60
tgatggatct agtgtcaagg agattgctgc gctgcgagat gaggttgctg agtgggttgg      120
aggattccct cagccttggc tcaagtcatg atgtttttaa tgagtggtag caagattaat      180
tttggcggtt ggaaaatagt atattgatac agaattgact ttaaattatc tattccnaaa      240
aaaaa                                         245
```

<210> 2136
 <211> 552
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

<400> 2136
 ctacctcttt gttacagaca ccggaacctt tctcagcttt actaccactt taactattca 60
 tcatggagcc cgagactcga gccacttctt cctttgagaa ggatgcccac aagacaaagg 120
 acaatgcctc caagggcaag accagaagca attctctctt caccatcagc tctggcttca 180
 ccttcttttg tgcccttctt ggaggatcca gttcactctc tttcaggtca tctcttttcc 240
 gataaatacc caacaccaac tcttgttcca ttctctgttt tccgtctttc cgtttatacc 300
 cagtcctttt gtttattggt ttatttttct tacacattgg attttgctng ctccactact 360
 ttttatgaaa ccccggtttt gatacgggca cttgcttttc ccgtgcttta cttctcccac 420
 cacaatgaaa taaattacgg tctttccacc canccgttng tggentccaa cttcnaacaa 480
 ctcaatcana aatttgccga acaanataca agtttttccc ttnacaactt aatgttcaaa 540
 nttttnttcc tc 552

<210> 2137
 <211> 621
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 2137
 cagttctctg ttattaccgg aaaacaagtc gatcaagaca ctactcagtc ctcatctata 60
 tatctactat aactacttct acaactcatc atgccttctt ctgtcaagag ctgggttgcc 120
 cgccattgag ctctctccacc acctctcaac aacaactctc aatgtccctg cacaacctgc 180
 ttcaatggag gctcccactc caacaactca gccgcattct ctgtgtcttc aacaagacct 240
 tcaggactgt caagagttga ctcggaacat gcttctctca gcagcgccac aaccgtcgct 300
 gcttcatcat atatcgagac acccaccaag caatgatcgc aaccaactag tcatcatgac 360
 tgattgattg accctgggtc tttgacgaat tactaccgga acgaatagcg agtttcatgc 420
 ttatcttttt gcccttttct catcctttaa tctataccca catcatcttt acgtttggcg 480
 tctgtcggga aataaacaac ggatagatag ccaagtatct atacttgaga tacgcatnct 540
 catcacaagc tgaaaatctt acggggccga agtggagagt tggtcgattc ngttcngggt 600
 ccgaggcgga gacaaaccca t 621

<210> 2138
 <211> 116
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(116)
 <223> n = A,T,C or G

<400> 2138
 nanaggcctt tgccagctcg anaagaagcg caaggccttc gatganacta tacagaccng 60
 ctcaagcaca nacaacgaac tgccttcgat gcagcatcga ccatganaga gctata 116

<210> 2139
 <211> 603
 <212> DNA
 <213> Fusarium venenatum

<220>

aaccaacggt	cctactccta	agggtgctct	caagattctc	aacaaggatt	gtccgaaaag	600
gaccaagtca	agaacaaata	ccacaagcaa	aatcccagcg	aanggtntaa	gagaagaggt	660
tgc						663

<210> 2142
 <211> 562
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(562)
 <223> n = A,T,C or G

<400> 2142						
gaaatcaaca	gtcgcgtgtc	acgcttgaca	ccaaacttcg	agagaattac	aggaaaacct	60
ggcaactatg	caagctcaaa	tggtagctgt	tacactcgac	ccgaaaacct	agcctggaag	120
gaccaggaca	agcctgggtt	tggtagtctc	aacgttgtag	gaggtcttac	taccagcagc	180
gtntcgacta	agagcctcgn	tgcagctcat	tgtggcgctg	ggcccatggc	cgtcaacatg	240
ttcgaagagg	ccgaactcga	gagctatcag	ccctgccttc	cccaagttct	cgaactattc	300
aacaagggtca	aagccaacca	gacagaaaag	cgacagtggg	ggggatcgaa	tcaatggtgg	360
ggaacangtg	gaagtcagca	agccaagtgc	acgagtacca	atggaagccc	gnattctttc	420
aggcggttac	agactctatg	accgacagga	cangttngat	tccagatcgg	ttcaatttca	480
agnacgaac	ccaaactcga	tgaagaggcc	tnagaacccc	gtatggaaga	gtcaattttt	540
tggattcccc	agacagatct	ga				562

<210> 2143
 <211> 168
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(168)
 <223> n = A,T,C or G

<400> 2143						
ntggcnatat	actgagtata	cagtctngac	catcggaat	agaaaccatg	tntatcaaca	60
aacatgaaaa	aantanccgt	actgncccca	ccagggactt	tactgagcga	agcatagcgg	120
ccacagnacc	actcanacca	atgccnncc	cagccantgn	tctaccaa		168

<210> 2144
 <211> 626
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 2144						
cgcccttttg	ccagagcccg	ggcaatcctg	gctcgcgggc	tatgacaccc	cagcaattgt	60
tccttcgatc	tcagagtggc	tttggtgacg	caccacccgg	catttcacgc	caaagcaatg	120
ccttcagaaa	ccagagtcag	ggccagggcc	agggacaagg	ccacaaccgc	cagtcgtccc	180
gattcagctt	cgccaacgac	agcgttggtt	ctgtaaccaa	cgtcaagggt	tcgactaacc	240
cgcgcacat	ggcccaacaa	tcttccatga	tgcccaacac	cttcaatccc	agggcaacaa	300
ccagttctac	ggtgcttcta	tgccctggacc	ttctccggcc	tnaagtcgac	cggnacttct	360
ccaacatggt	tgggcagttc	cggtggcaag	gctttaatgc	gccnaanggc	aacttgagtg	420
agattctttt	aaagttaatg	ggccgaatcg	ggttgcaaca	accgnnccat	gatgcggnaa	480

accggggant	ggcctanana	tcttgagacc	cgagtntctt	gaggtgcnat	gcagntagtt	540
taaggcacgg	cggntcggna	gggntttttg	tggccaaagt	aagggggtn	attnacatt	600
tgatgttaca	catttncggn	gggggg				626

<210> 2145
 <211> 192
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(192)
 <223> n = A,T,C or G

<400> 2145						
cgagaggtta	tcacacacta	ccgtgatatt	gaccatggca	tgatcaaagc	tagaccccct	60
acaccttctc	cttagcccaa	gcctnaagcc	tcgtgcccga	tttngagtcc	gagagcggga	120
gactggacat	ttgacatntc	tttntcaagg	aacaaagaac	gagggggaca	tttttttgn	180
caanttgcac	tt					192

<210> 2146
 <211> 494
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(494)
 <223> n = A,T,C or G

<400> 2146						
gaggaggaat	acgagccggt	cacgacgact	atgtcccagg	aacgcccagt	ggatgaagtc	60
gatgcgatac	ctgtcaagtc	tactactccg	ccccaaacgc	agccatcggt	tctggtggat	120
catcacaacg	aaagcgtgcg	tcgcactcgt	gtacactctg	aaagccctgc	ccgtagtccc	180
ggtcgacaaa	cacactttgc	gcccnaagcc	gatcaactac	tcgtcaggca	cgagccacct	240
ccacgatcat	tgatcacctc	aaaatctgct	ctcaaattat	caagccctcg	tgacgcgtct	300
ccttcagaag	atggctcaga	cgcacccgtt	gcatggctcag	gcatgactcg	agaagattca	360
gatatttcac	gaaagaaaag	tgtgcggggt	agttttgatg	atggaaacac	agcaattatg	420
ggcgangcta	cgccggcatc	tgatacggat	tcgccacggt	tagccagtcc	tcagtctaag	480
aagccttggc	acag					494

<210> 2147
 <211> 563
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(563)
 <223> n = A,T,C or G

<400> 2147						
atattattaaa	ctaaagtcac	gccatgttac	ggtactgttt	ataacatttt	aattttaaaac	60
taccaaattgt	ttctcttttc	ttggttttta	atgtgattgt	cctctattat	ctcttggtat	120
tcaggatcat	tttcacaccg	ccgctattat	atcatggcca	ccgatgtagg	agacgaagaa	180
agagcacatt	tacttcctgt	attaccatca	tcacgcgat	cgccagcagg	tgtaataaca	240
acgccgtatc	aacccttaga	ccaatatgag	agtatcaatc	aaggcgatga	cgacagttca	300
agcactcata	gttctgagt	gccatcacc	aaagcgctcg	cagactctat	gtatctacac	360
cctctcaaca	tggaactcgc	gcgctttgaa	ttcggagtgt	tctatatctc	gctctatctt	420
tcaggacatt	tgaggctctc	gcggnattc	aatgatcgag	gngtgntggc	atgnactatc	480

atctnggttg ggccatatn gacgcaaccg ccgcctaaga cgggagactt naattgngtt 540
tnaaaaatgg gcgtggcgga tcg 563

<210> 2148
<211> 638
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G

<400> 2148
aaccaaccca ccaatccata gcctatctta cactgtattc gtttgtattt accaacgatt 60
aacctcggat tatcgctttt tcttcttctg ctctcctaaa cctgtttatt ttccatctcc 120
gctcgtcaaa cacggacggc cccacgtaca agacaatgtc tgtaccggct acatacaagc 180
cttcgcctct tggctatggc tcgtctccta ctgcagctc tccatttcgt cgagccgaat 240
ctcctgcttc accgtctccc ctccgaaata ccacagtcac accgactggt tcccctacaa 300
aggccggacc ctttggctct acttcgcgct tcgctagagc taccacttcc acaagcacac 360
aaccanctg gacagcaaaa gcccaagact ctgtgaaaga cgaaatgggt tcccatacct 420
ccgcgattgt cagacctcga acaccggatc aaagtcactc ggcagtggta acgcgctgcg 480
caattgcaga acacaatgcg aactacgag atcctttaga tcattggaccg agactgtgat 540
gngtgtgacc gagaagacgt acagatatgc ttaaccagct aggttaccgt caccgccagt 600
gtgctgcngg tttctacat ggngcttaaa catagcta 638

<210> 2149
<211> 847
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(847)
<223> n = A,T,C or G

<400> 2149
gctttgtgtt ttcatagcag gggagccgct ctccctcatc tctctggtcg caacatcaac 60
aaacctcata actaaggag caaccgagct caccacggct tcggccagaa cgatacacat 120
actaaccaac agggacgcta cagtgggaga catatcgcca tattcgagtt ggagcgaagt 180
gaaagagact ttggcctgta tcttgacagc cattcaagag ctccacggca ttcgacaagc 240
tacacataag aaacctatat tagacacct cggcctgcct caaaatgggc cactccagtt 300
cggacagcta ccattgccgg cccctcagtg accgacagcc ctggtacctg gcgtcaccgc 360
cgactcaacg agattactag acgtcgtaat gcgacgacct tttcagagaa gaacgtccgc 420
cagatcgctt acaatgttat tgcgctgcta ggattctggt ctgagcagct cctagcgaag 480
ctcaacattg gctctcaagc cgttcccagt tcttttagag tatacttggg ctgggcttgg 540
tttattcttc aacttatccc ctccatcaac attggcattg cctgtttgct ttgattcgac 600
cgaaagacga tctatccgac atccntntaa atctgccagc gccactgntg gggetagatc 660
cttcgtcggc cngccaact tctgacacca aagttcagca ctccccctng antcttttgg 720
acacctttca tcggcgggtc antcggaagc ccgaggaagt tacaacaggt ngcttttttt 780
ggncgaggna gtccccttgg ttnaaggatc cccatngggt agccctnttt ttccanaaaa 840
accctnt 847

<210> 2150
<211> 590
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature

<222> (1)...(590)
 <223> n = A,T,C or G

<400> 2150
 aaggaacatc aagattcgta ttagagtctc ttgtcacagt ccagatcatc gcgccagctc 60
 tgcccaggcc tgccatacta tcgccatatt tgtgccagca actttgtatt gccagccctc 120
 cttacatccg gcttctgaat agactcgttc tttcagaagc gcataccaat aagaccgaca 180
 tcggtaatca tggctaccat ggcagcggct gctcgtgata tctcccaggc ctccttgagc 240
 cgagacaact tancgtgtgt agcggcccga ggcgtccctg cgactgtgac acgctctcaa 300
 caacccctcc ctactcccc aactccatct ctcccaacct gccgcctcac gggcttaagn 360
 gcagctccag aagccaagct tgacctatcg actcagactg gacttcacga ccttcggatc 420
 nacgacatga tctcccaccc tcgaggctcg ggtgcataatg gctctctcct cgcaaataca 480
 ctgcanaaat cncatcatat gtccttggtg tccnctatat ggtactaac ctcgtaccgg 540
 atccggatcc tccacaagng cgaaatatct ggacttgaag tcagagaaag 590

<210> 2151
 <211> 276
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

<400> 2151
 cnttacaaga gtatccattc ttaccttga acgcgcaatc ggctttcgtc attcttcgng 60
 atcgataatt ctgttgcccta tataccaagg ccataaaaagc attcactctc gattcgctta 120
 tactntttcc acactacaac actctacgat actacctatc tacctacacc aaacaactcg 180
 cccatnatgt ctgcatttca gatcccgctc gacgttatta cgtcccgctt caactttggc 240
 gaccgcttca gaggcttcga tctggtcctc tcagcg 276

<210> 2152
 <211> 140
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(140)
 <223> n = A,T,C or G

<400> 2152
 gacggccact atcacgaagg cgaattcccn tccatnaact ngccattgac ctcnagccan 60
 aggcctcttt gngagactat atacatnctg tcccanttac ngccgntccc tctctgntca 120
 cactatacaa tggctactct 140

<210> 2153
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 2153
 ctgcctatga aaccatccca tagaaaccgc ctcaagttca actggttctc ttctcatatg 60
 ggacacggga acttatagta tcctgcagcg aaaaagcaaa aactcaccat ctgaagatcc 120

atcatcacg	ccatcttcac	cagcatcatc	ccttacatca	acaccacaag	ctcttctaca	180
cgaagctttt	cagagccgaa	aaatccgtat	ccgcttgac	ggatctcact	tacctgatcc	240
ttacgtcttg	aaccttcgct	tgaccaagtc	agaagatata	gctggtagac	ggaaaagtgg	300
gagcacgct	cggaaacgaa	actcccgc	gcgaactaga	tactcatggg	acgagtggg	360
aggacaaaat	gangatatcc	tgcgatcgct	gatcagaccc	aacgcagaaa	gcctctcagc	420
catggagcgt	gagatacgca	actanaaaca	agagtcgtag	acaatgctat	ccaggggctc	480
tatactcgca	agngcgactc	tccaaatgag	agtganattg	tcacttaagt	gaacatntaa	540
ccatttcaaa	gnaacaaaac	ncaaactttg	tcaattttgt	tcctntta		588

<210> 2154

<211> 699

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A,T,C or G

<400> 2154

gtggattgac	ccgcctttcc	cctctcagat	cacagagtca	gtccatatca	taaacctcaa	60
ccccgctatt	catcatagct	gtctgcgttg	atctctgtgc	tctttcaact	caaacgtata	120
cctggatcac	tatataacgc	cagcctcaat	taacacaatg	ggcgccgaca	ttcaacaatg	180
gacgatagag	aagccttggc	ttgagacgca	ttgtctcttg	ggcgaaggac	ctttctatga	240
gaaatctacc	gacactttgc	gctttgtcga	cattcgtaac	aagcgattgc	attacgtcaa	300
ggtcgctgag	ggcctttcat	ccctcagaac	agttcaagtt	ggatgtatgt	cctactgtca	360
cggccaacat	tggtgggctg	cgacccacag	gagcgaatcg	ctctgggtgt	caagtattgg	420
attggcgatt	tttgatgtca	agaaggagac	atatgaactc	ttccagccat	tcgaagagcc	480
ggcgaatgag	cgtttactta	gtaatgacgg	cgggggtggac	cctcttggcc	ggtctggctc	540
ggataccttt	ttcagacttt	ggtctttgaa	gacccttcac	tcctgaatgt	gagctgagtt	600
atctcttgga	ttccaagttg	tttggtatgt	gaacttttcg	atggtgacta	ttcccaaaac	660
accacnctgg	ttggcttccg	gatnggaaga	cactatttt			699

<210> 2155

<211> 556

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(556)

<223> n = A,T,C or G

<400> 2155

gccaggctac	gtgaactaac	gcacgtgaac	acaccattcc	ttgtgatata	gcaccaaggg	60
gcttctgttt	tcacatctca	cgattcttgg	tactaaacac	actctagaaa	ttcccactat	120
gccccgctga	ggccgaggtg	gcaggatgcc	ctcagggcct	tggggaagat	tgaagcccgt	180
cgagcaagac	ccgttgctag	atatgggact	tccctctaaa	ggagacgata	ggttgcttaa	240
ccacaaaacc	caggaatggg	actacaacca	aatcatttca	cgttcccttg	cattttgcac	300
cgaagcgggt	gataaggact	caatcatacg	cagttttgaa	gcccttgaca	taagagcagt	360
cgattcaacc	cctgccacgc	ggtatactaa	accttcacct	ggatatgtac	caacatcagc	420
agcaacaccc	acggctgtag	tgcatcaaaa	gacctcttcg	acatcagctg	cagatgctat	480
aagagttgga	aggggtgctga	tttggcatcg	gacgacccg	cgttttantic	acattttcgc	540
tggcaggccc	attgga					556

<210> 2156

<211> 574

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 2156
 ggtagggttag ggtcttatcc tagtgcagct cgcactacac tccaaccacc tgctcatact 60
 cttttaacaa aacaacaact gttgctgctg ctgtcaaatt tcgcatcaaa cttggacatt 120
 atacaacctc aaaccgcaaa catgcttctt ccgtctgcgc taccttgcca tgcgtcgcac 180
 tcgtctcatt cccgacttca acaatctctc ttctctcctc ctgccagtc cccggctcct 240
 tcgcacagtt ctttcgccaa cctcatgact acttgctcgt ctctccaatc gctcttatca 300
 atgcccgcgc ccattggtat cgactctcgt cctgctcctt acaataacgc tcaactacca 360
 acccaccgnt cgtnacgcag ttcttcttga agtgccgctg cgaccggggc ccacgccgtg 420
 agctgtcgac ccaagaagta caaagcgcgc cggacangcc tgcacaaaaa cgccgngttg 480
 ccacatattg gccgtgtata caggatcggn aggatacggn gtgtttgngc aaggacttan 540
 accaacgcn atgtccncaa tcttgcgtgac gttg 574

<210> 2157
 <211> 703
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(703)
 <223> n = A,T,C or G

<400> 2157
 caggttttcg tctcgaggat ccattttatct accgtccaca acaaaaaact tcaagtgate 60
 aacactttac tacttgctat ttagcaacag ctatagctct tcgaagcttc aatcacaaca 120
 ttcacctcga actatcatca cgaaccaccg caacaatgtt cggttcatac agctccatta 180
 gctccatgtg cgcttcttct gcgcccattg atctcgctc tcgcaacatc taccgatctc 240
 aggactccgc ctgcgcttct ccttcatggc ctgcacgcga ctctctctcc gactctgate 300
 gtgaggagcg acccacttct tatctctccg acaacaacct gtctctctcc gatccattcg 360
 acgatgatgc ccagaagcgt ctccagcgct ggcagctctt ctcccgggtg catggcctcg 420
 cctcccagcc gcatctccga cttcgagott ctccaggctg aagcgagaac gccaaagctgc 480
 cattcagcga gactgcatcc gaattgtcac cctcgagaag gagcgctnac gtgccgcgcg 540
 acgaaaagca gcgcgctagc aagtctnaca agaagagccc aagaacaaac tcancttcat 600
 caatgaggag gntattgagt aaacaatgnt tcttgggatc ttnttnacga ctggtacgaa 660
 tttacgatag cgctgntttt tgcattacaa tggnaatatg atn 703

<210> 2158
 <211> 668
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(668)
 <223> n = A,T,C or G

<400> 2158
 ccaaaagccg atgttatcat ggttcaggac ttttcacggt attccgatga tctcttacga 60
 cgaattgaag gatcttcagc ctgtttatgg gctattggag ctcgccaga tccctcccac 120
 tcccaactac acaaagacaa ggcctatctt caccacgtca atgttcaact acctttatac 180
 gccgcaaaaa tcatgagcga gcgcacgcgc cccaaaacgc cagcaggcca aaagttcaac 240
 tttgtatttg ccagcaacaa gtcaagatca tcttactgct tttcgcttgg ggaccgcgcg 300
 aagcccaagt cggaggccga aaagggctta tgcgagattg cagacgccag ccctgaaaacg 360
 tttagcgctt ggatcttgag gccacgacc atcctactcg cctcaccaga tgccatccca 420
 aggaagagac gtagtcttgt tggaggggcg tcaattatcg gcgttgaggt ctctcacatg 480

gcaaaggcctt	ttgtcaaaag	ttgcctgcga	gggttacagg	gagcgtgtca	ttgatagtga	540
tgccatatta	aagatgacat	ttatctagac	tgggcagcaa	ctaactatac	agtactatgg	600
agatgtcttt	ggtggggagt	aattttttgt	ggattttatag	cggattttatn	gcggagtcgc	660
ggggggccg						668

<210> 2159
 <211> 592
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 2159						
cgcttcaaca	agaatggccg	caagagtntt	tttgcaacat	ctcgcgatgtc	gtgcgatcga	60
gtgtccacta	gcattgacct	cgcacccagc	atctcccgcga	agactacagg	caatggcaac	120
ggtnacggcg	ttggtttggg	tctcaccaat	gagaacgaaa	aggtcgagtt	cgctgcgtca	180
agttacgata	ctgcgcatag	aggcactacg	cctggctccc	gagccgacna	tgtgcacttt	240
cagtcaactc	accgagccaa	caatgccaa	agaaaaacca	ccagtgcctg	gactgccttt	300
gttttgtggt	tgagaacgcg	actgctcaag	cttggctcgac	gatggagaaa	tacaccaatg	360
agaccaagac	caaactcaag	accaggctgt	ctggcaacaa	aaagancctt	gttgtcaaaa	420
ctccctatca	gaattatcac	ccacaacagg	cggcgagtcc	attcaacagc	tcctatttcc	480
cgacaccatn	tnccccacgc	cgattgatct	acacagactc	ngcactaagc	ggcaatcaca	540
catttaccgc	gangctactt	ccttacacga	taccttgatt	tttacaatgc	gt	592

<210> 2160
 <211> 886
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(886)
 <223> n = A,T,C or G

<400> 2160						
caocttcaaa	ccaaatcaac	ttcacttaca	atcttctgct	ttcacgcaaa	agcagaacca	60
gctacaacaa	ccagatctat	cgcatacaat	cacaaacccc	aatcatcatg	acagaagaac	120
tctccaaggt	cgactcagcc	gtccaaggct	tctcaagctc	accccccaag	gaagagaaga	180
agacacggcg	acaaagctca	gcagcggcac	ctggtgtcta	caacgtcaat	gacctcgagg	240
ccgagggcat	tgagctcgag	ctccctattg	agagtcaaaa	gactggatgg	aaaatcaaca	300
agagctctag	cacagtagaa	gacgctgcta	tcctcaagct	tcacctcacg	aaaccccccg	360
tcaagagaat	tacccttcac	ttcccattag	gggtggaggt	gcaagcacga	aacctcaagg	420
gtgtaacaat	caaggacgca	cttgatgcca	tccacaagca	gtacaagaag	cggggccgatg	480
atgagctcga	caagccctac	ctcgtctggt	tcgagtggga	caaggaaaaa	tcattggaccc	540
gacttggtgt	tcatttgcag	gcccagccca	cggccacaga	ctccgccggt	gggnggnaag	600
aagaagaaga	acnagaagaa	cgaagaataa	tttctctcgg	caactatgat	atctcttcca	660
atacttccta	taattcttgt	tcctttccct	ggttctggtg	cgagtcggcg	ctcgggatat	720
tgctctctaga	tattctcggt	cgggtcatat	tctgcgcgat	tgctgggagc	atcgccctggt	780
gtactcctct	actcatagtt	ctttgtatcg	ctggtcgatt	cggtcggcgt	tctaagggttc	840
catgatgtca	tggttccctt	acataatata	cattcccaaa	ccaacc		886

<210> 2161
 <211> 666
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(666)
 <223> n = A,T,C or G

<400> 2161
 cttctttttac gactcaccac ataccatacc taccatacaa tacatacaat aacagagtcg 60
 tcaactgttc gcagttgatt caacctatct tcatagcttt tatattcacg atacgagagc 120
 atcccatacc attcactgct ttcgtcacc tccatcctcc gggttaggcc ccgctcttct 180
 ggcgcgctac tcaactcagt ctcaactttt tcggctccct ctctcgtctc gctcaactat 240
 aacccgccca gcgcgcgccg acgggggttta ttctctccct acctaccttc ggacagacgc 300
 cactacccgc gatcagcaaa tacataaact agccgacgtt cccctcggc gtcgcccttg 360
 gccatgttg aaccacaggg catgagaggg cctattgacc aaaccgttg ctatggacac 420
 tctcgaacac aaacatcttc ttcaaagcc tatcccatgc aattccaaac ctctcacctt 480
 gccaacccgg cccaatttc tccanaacc tcgctcgct tctgtgaata ccttttagtac 540
 cgnatcgagc atctctnct gcagcctacc ggtcttcttc aattctgatc ttcgcgatct 600
 acatctaccg ttcaggggga gccagcaacc agnccctcca gctatgtggc tctcttgccg 660
 aagcaa 666

<210> 2162
 <211> 568
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 2162
 cgacgttttc gaacaagaac tgtgaaaaaa agaaaagaaa ggatggaacg ttgttgacca 60
 acaagggcat tgaaagtgcg cccgtgacaa cagagacagc gtaaatacanc aaagcaaaga 120
 caagcaccgg gtcgtcacac ccgccgcaga agcagaacat cccgaggccc gagccgcgt 180
 cctgggaacg ccaaagaaga aagctgggac gtgtttgatt ggttggcaca caaaaaaggc 240
 cccctcgcg tgttgcaact tgcaaggggg gccatgaatt gcaactgtac aacgcgactg 300
 ttactagggg gagagactca gtcaggactt ggggtggcgt cagaggacag ggagtactca 360
 gccagatagc gagccttgac tgtttaagga gaatggactt ttggtgaccg gcttatcaan 420
 gtgagattgg gggttggttg actaaggatg gaatgacatn ctttttnctg tgaaaagcaa 480
 ccgtgatggg aangatcttg acatgtcctt ggtaatatat ggtcatgcag tagagattac 540
 tcaaccatta catcaatatt cacattcn 568

<210> 2163
 <211> 425
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 2163
 tttgttttaa tagtattgga cccgtttctg gacatgtctt tacatttctc ttctcttctg 60
 atcttgagg atnctcttg atgatgtatt tttggatgtg ttattttttt tactcnaac 120
 ggcacaggat angggggaac ancacacaac acaagttttg atgtgttncc agataatgat 180
 ctctgaacat ggtcacctat ttcaactgtc atctgcattt tctctctac ttccctctat 240
 cgcattcatg ggatggttct tctatttatg ctttggtatg actggggata tgcattgatt 300
 gccatatagc gcaaagttgg tnattctgac tctgggntng cacattttta taatggnatc 360
 tactttcaat atcccattaa acacacgatt caaggcatnt natatattta attttttct 420
 ttcat 425

<210> 2164
 <211> 465
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

<400> 2164
 gaattattttc attatagcaa gatctgcgac ccagcaggac gatcagcaca gctgtgaaga 60
 ccctgaacaa tttggccagc cacttttacga tgtcccgcga tttcagacaa aggccatttc 120
 atcgaaacctg actgcaaagc cggacagtca aaacacatat gatgtacaac ttcattccca 180
 accacgtaca cagacgcctt ctcgaaatcc gccagactg cacactgaac ggcgtcgtca 240
 aagtcgtgaag aggaatcacg ttagtcgctc gtgcttcagt gaggaatctg tctctgaaca 300
 ggagaccgta tactcgcggc aggcgaaatc agaccagcca aggcctctgg atcgtgtcgg 360
 catgcacgtt ttgcgacgag acagagactc ctaggtngcg tangggacct gtngacgccg 420
 gacccttttg caccgtttgc cggttaatct ttccaaaagg cggtc 465

<210> 2165
 <211> 146
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(146)
 <223> n = A,T,C or G

<400> 2165
 ntacgagcgc gancngatcc canactgggg cggccttccc ccgncctttg nctttgagcn 60
 tctcagcnc tttatggcat acggtttctg catggctcct gtacagatna agtggttcct 120
 attcctnngg cntatnttcc ccgac 146

<210> 2166
 <211> 454
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(454)
 <223> n = A,T,C or G

<400> 2166
 caacatcatt caagcatctc cggttcaagt ctaactacca acactctacc aaacgcctag 60
 ttctgtgatcg acacgactcc agtcggtcga atcctgaaca tataccaagt cgccggcaat 120
 ggcctcatcc aaagtacgt gccctcaacc ctnggagggga ccgagcccga gccctgtcat 180
 gatctttttc acgacctgt agatggcata acaacctatc anggccaga tttgctgac 240
 tcctttcgtc ctcttcagga aatgcagcag tctngaggc cattgactca naccgttct 300
 ccgatgtcgt ccacgtcgtc ggccctcccc ggccgtcaat cccacgctcg gacgagctcg 360
 cactcgntgc tcacaggcgc tctcaacgcc aaccatagag tgactcgacg caagtctgtc 420
 acaaaccgga atgcgaacgt taccgcgacg gccg 454

<210> 2167
 <211> 337
 <212> DNA
 <213> Fusarium venenatum

<400> 2167
caaaagggga cccgttgata ttcaggggtc ctttttcgtc catgtgaaaa ctcttcacgg 60
ccaaaagcgg atgtgaacta tctcgtcga accagggctc gatcaaagcg gcggaatcgg 120
tcgaaagatt gaaggaagca atacgcctcg tccatcaacc accaaaggaa tagatttacg 180
atcaggcgat gcacgatgc ccagaccgac aagcatcacg actcatcact cacatactga 240
tgacacggaa atgacagcct gcttcgctcc cgtctagatc agataaccgt gtggatcctc 300
gttctctgcc aatacaatca catcttagag ataaaaa 337

<210> 2168
<211> 830
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(830)
<223> n = A,T,C or G

<400> 2168
canaaacttg ctgagttcat ggctgancaa gctgccattg cccgtcgagc tgccagcact 60
aaccctgcga cccccctcgc cgagcctatc aacaagcaca cgagcaacat ctacagcaca 120
ccttcaaaag ggcacagtgc gatgggggtc gatggatacc taactcccc gatcaccng 180
gacggtaaca ctttaatggg taaccacaac ttggccaagg aatnatatgt tttgcctccg 240
cgatgccag tcaccctac gcctnctcac catgcggnag tatatggtca tcaacaacaa 300
caacaacaaa accaatacgt cggatacgtt aaccagcatg gcatgaacca ataatgttct 360
tcatgacaag atattgaatc gacaattcga cctcgacgtt caccatgta catcaccttg 420
actttcatac acaatctttt gcgacattct attatttggt cgaaatcatt gcatggtcgc 480
acaacaagaa tgatctttca catttggtat ttttttgga tttagcgact tggtttcctt 540
tttttcccc gcgattcaac aacatttttt ttttatatca acatcaagtc tagcggcacc 600
aaaaaaagga aatccgcgga atcactactcc tttcttcttc attttcagca aacttctgca 660
ttttatttta tcangtcca tacactgctc cccgggtgtg aaagatcngc ataccccgaa 720
gaagtctaca acagtcacat ctgggtaacn gtggtgacta nattacagtt gaagacctct 780
cacaccggan tcaagacaaa agaacgagaa nccccaaagt cctccantga 830

<210> 2169
<211> 545
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

<400> 2169
cgggcctcac catgacaagc ctgagcacgg tcctgagggt ttccgcgccg agggacatga 60
gggacacccc ccaccaccac ctctctctca ccatcccatc attgtgattc tcggcgctct 120
cgccattgca ctcgctcttt tcagcggcat tgccattgcc tacatccacc gccgcatagc 180
tcgtctcagc cccgagtctc gacgtgccat ccgccgcgca ttccgtcaat ctcggaaga 240
gcgcgcgagg ggctccgctt tgaaggctgc gtaccgagct ttcatttctc gatgtgtcga 300
gaacgacgaa gatgagaagg aggccatgct tcacggtgac cgccgcgaag gtcttnttct 360
gcaagcagcg tgaccatgga agaagagatt gcttctttcc gcgaggctgc taacatggtc 420
gacggcatcn ttgctgccga anaagccaca acacacacgc tcgctnttac agctatgtcc 480
aagccctcta ttttttttcg cccaacacat caccaccctg tggcggggna taccgtactt 540
tccga 545

<210> 2170
<211> 349
<212> DNA
<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(349)
 <223> n = A,T,C or G

<400> 2170
 gctgatgccg gtactcctgt ctcttctggt gatgcccacg gacctccaac cgagccaaac 60
 tcccgtcctc acagcactgt cagccctcag gctgctggac ccgccaacaa ggtcttcgat 120
 aacgctcaga gccgcactag cacatccagt ccaaccgggtg gttccccttc ccgggatatg 180
 acacctgggt ccaagtctaa ccangctggt gcctcggtgg ctcccatcgg aaccgcggcc 240
 tctggtacac cacaacacctg cttcatctaa gcgatcgaca cccctcgcc tccctggtgg 300
 ttnggggacn tggaacggc tttggggcca ntctctgtct cggtgcccc 349

<210> 2171
 <211> 358
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

<400> 2171
 cttancaata tganctctac aaactgtgct gcgngtggtg acgcctnctt tgggtccattt 60
 gttcctcccg aatgcccgcca tggcttngac tttacctca tctttgaaca gaccattctt 120
 gtgcttttac cagcctctct tcttcttgtt attgcacctt tncgtatctt ccgcctccga 180
 aacgctcaag tcaaagtcac gggccatcgt cttcggtctg taagttggcg cttantgctc 240
 tcttggtggt cttcatttgt gctcgtcngt gctctgggca antctaactc gtgcttccaa 300
 acgcgntna gacgcgnttc cattgntggt gcattgtgnt nctttgcctc cagtttaa 358

<210> 2172
 <211> 198
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(198)
 <223> n = A,T,C or G

<400> 2172
 naaggaagg tttttaccga tttngagngt ttcagntttt ccgacttaaa naagcagnga 60
 cnatttttaa anagcgcang ggtttggcca agggnaaggc ctcccnaaaa angggtatta 120
 acttgaaca cnggaggtct taaaagttgg gttaaaanaa gggcccggaa aaggnacaaa 180
 anaaaaancg gttgaaaa 198

<210> 2173
 <211> 545
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

<400> 2173
 tcatcatcaa ccgtctcaac tcatcaatcg gcattccgtg acgggatcat ctcatatcgg 60

gaaggtcctc	caatgcaatt	tcctcnaaag	ttgaantgca	aatcgtggtg	gaacgcaaag	120
tgggtgagat	aacaaagaag	ggtcanagca	atctcaacaa	ttgtctgcat	aaaaaaactc	180
catcctgcac	tgagaaccca	ntatccgact	acgaaatatt	tttggcgaca	ccgtgacttc	240
acgatgtctg	agaatcaaac	acaagaccca	aacccaagga	agtcgacgtc	ccgggcggtga	300
aggacaccga	gaatgttata	actgacaaga	nggaagccat	tctcctggct	cgaaccgcac	360
cctatcntcg	tcatcaatct	cgtcggggccc	gaagaagctc	cctttgggat	ccaaaaagat	420
tcctccggtc	cncgattoga	gttctacgaa	aagctccttt	tcaacggngg	aaaagaaggg	480
gaaanttggg	cacantttnc	aagccttcog	gngaacaacn	aanggaagtt	tttgggcccc	540
cccaa						545

<210> 2174
 <211> 456
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(456)
 <223> n = A,T,C or G

<400> 2174						
gctttcgaca	atcttcagat	tacagcctcc	gaaatcgcca	gtttgaccaa	gtgggagggga	60
acaaaatggg	ctaaggaaaa	gtatgagaag	gagcngggat	ncattattca	tgacaccacc	120
gccgatggat	tccccgactg	gaccgatatt	caacattttac	ctcgcgcttc	tcgcagtcac	180
tccgcagaag	ttggttatat	gggacttgac	gacctggata	acgacatgga	agttgaaagt	240
gaagatgagc	tgggacagtg	taggcgttga	actgaacgag	cgtctcagag	atggagttgc	300
aagacgcgag	gctgggtgat	acttcagctg	tcctcgacga	agaatgggaa	cagtggctca	360
agaacgcctt	cgaatcaggc	gagatcaact	ttctgaacga	ccacgtcttc	cangaaagtg	420
accagtantc	gctgcgcctt	tcccacangt	ttgctc			456

<210> 2175
 <211> 419
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

<400> 2175						
gtttaaagaa	caatcgcagt	cttttgaggg	tgggtggtgat	gccganacga	cgttgctcgca	60
gttctatgat	cagtcttttag	ctttgcataa	tccagtcctt	tcattcccagc	ttgacagttt	120
ccaanaaacg	acttttgagg	agacttnttt	ngagggaact	tcattcatga	ctactcttgc	180
tgnaaaacgg	gttgatgcga	cagagtctgn	accgtcatat	ctttccgatt	nggaggacat	240
accacctgca	ccgaaaatat	tggccctgca	ccccagact	atcacgctta	atatcattgn	300
tgggataata	tccatcgccc	agccgcggac	agtcaccacg	cgtgggggcc	gcaccctctc	360
cctnatcgag	attctactcg	gagacnaaac	aaagacaggt	tcgtgtgcac	atttttggt	419

<210> 2176
 <211> 621
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 2176

cttattcaag gccacttagt gtttctttta agaacatcgt ctctgcccac caaactatca	60
agaggcgata cgatcaacaa gtggttcctg catatctcaa cttgcaccag tgttcttcct	120
cccatcttac aactttaccc accggacctc catcttcac ttcatttca ccctgaaaca	180
actctcactc aactttacaat tgcacatcat catcactcaa ataccatcca tctttaagac	240
aactgacgag tccccggaaa gtgcagcaaa agaggatcct ttaccgtgtc caatcccaca	300
tccgccagaa acatctcaga ccctgcgaaa ctttgattca caacaagctt cactcccttc	360
tggaatgcaa agtgcagata aacgtgggtg cactctgagc tttcaactac aagtacaagc	420
ttcgctgcc gatacacaac tcttcacatc ttcattcaca tttacctctc acatttccca	480
caaagacatc atgacagcct tgtcagatcc gtcattcgcc atgggtccatt ctcaacctga	540
cgccgaggac tatgctcgat atgcccgaact tcaacgtcat cttnacttta nggcccattg	600
acgtgagcat tcccagccga t	621

<210> 2177
 <211> 616
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 2177	
cctgcgttac ccacatttac atgagattgg gaatcttcct tccttgctgc accgtatctt	60
actctctgct catatcttat tatacgattt gaccattccg tttccctct caatttcttg	120
tttgctctgc tcatcaagtgc ccctgtgcga cccttaactc tttctgggag acagagagac	180
tgtctggttg ccccgtttta actatcacgc cgcacctctc tgtgaaacgt ctgctcgcg	240
ccccctttac cacctttaca cagccctctt ggttgatcac tgctcaaca aggaaacaag	300
cgagccaaga attgagatta ctactggaag gaccggatac agtggagaa ttgtcttgga	360
caatctcttt ctttcaccac ttcacattcc tgtcaagcgt caatctttgg gccaaaaggg	420
ccctagacga cttgccaagg tgtaaacggc taagaaggaa ttgaatacct cgacttctcg	480
cagatcagaa cccccgacaa ccaccaacct acttcactac tattataagc ccaaacngct	540
gagacgttgg ctggtcagga acgacgacna ctctttcttt caatantnac tttccaacga	600
ccgggccctt ngggtt	616

<210> 2178
 <211> 360
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 2178	
attgngattc cagaaattgg cttgacggaa tgaatggctc cacaccgctg atgatatgat	60
tgttggcctt caaaaacacc ttgacgcaa atatgggtgg ctcaatgcgt acctagatgg	120
catcggtatt ggntctgatg atcgagcaa gctacaggat gtcttgcttt actaagacca	180
aggttcagtg tagggaacgt catcacatga gggagggatt gaatgttcat cttagggtgn	240
tgttcttatt tctttctaaa tgcacctgt aaccagcatc tatacatntt gagcttttga	300
gctctgttga cgagcaatct gtngatcaac agcaaggttc ttcacctcga atccgggatg	360

<210> 2179
 <211> 520
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(520)
 <223> n = A,T,C or G

<400> 2179
 ttttttttct taaaaagaga ttccccatttt ttaaattgtac agtaatatga tacacgctca 60
 tccaccacca ctctcttacc tctctttgat ccatcccctt gagttggaga tgcctttgat 120
 gttcttggtg tactttccaaa ggtggcggtg cttgggtcct tgcgcttggt cttcccatcc 180
 gcgaggcttg actggtggct tgagactgtg aacacgggta cgacggaact cgatatcgga 240
 accgggaatg ttgtgtcggg ccatgacaag ctgcggtgtc tcatcatcgc tggctctctcc 300
 tcgcatgcct ctcttctgca tgccctccgc gtcccgttac ccccgaaacc gtaactacgc 360
 tcccgtcgtc ttcgtcttcg catgcttggt ttcttggaat ttggtactgg ggcctggggg 420
 ccacaagaac tacttggtcc cccacaaacg aggactagan gagtaatact gtctnttgag 480
 gcgaacanga tatatacatg ctttttgga tttattttgg 520

<210> 2180
 <211> 612
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 2180
 ngggggnggg gaacatgata cctggctacg attcgcacga cctaaacaag tctatgaagc 60
 tgcggggtcgt tgtttatgtc aaccggccgt ttatgtttac tttttgttc aacctacgaa 120
 ccgactcctt ggccatggaa tctttatata gctccctaca tcatcaactg gctcctcttc 180
 gcaaacctnt tctcctctcc acaagatatc gtcccagagc acctggcctc gacaatggct 240
 ctagcagcag taacttgacc aacagtatct atgatttggt ctgggacccc gtttcattga 300
 ctgttcacac atntataccc aacattcccg acacatatga tgattcggat ccttggtactc 360
 gtgcccgatgc cctcagcact catctccacc ttgnaaatct ctatgttaat actcgatccc 420
 gttcaactgc tcttgagcgc actgaaaagt ctagtgcngg atgggggatc gttggacacc 480
 cctgctcgat cggttgagg acggctcgac aagtaacaat ctctcaacca tncaaaaagg 540
 gggngccgat gcanatncgg acacgacgca ttttttgga gaaggatgaa aaaaagtttc 600
 tgggcctgcc cn 612

<210> 2181
 <211> 539
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(539)
 <223> n = A,T,C or G

<400> 2181
 gagcgcctgg ggatgcanaa ggccacggcg gtgggggggt tgggtatanag cttgtcattg 60
 aggacgtcga caatgaggat aatggtgcat gggaccaaca agctgaggac aatgagatgc 120
 cccaactaga tcttctcaac gatgagaacc cagtgtatcct gccagctgag gaggggtgaag 180
 aagacttacc tcttgccccg atcgaagcac ctcaaaaacc ggccgcagaa ccagctggtg 240
 accttgccgc tgtcattggt cccgaacctg gagccgagaa caagctgctc agcaaaaacca 300
 acacnangct cccaagcac cgcccgtctg tgcgtctgtc tgggaacgat cctgtccggg 360
 gtatccaacg cgatcggttaa tgccttgata cttccgggta tctcttatgc catgggcgan 420
 cttcttcnca tggccttcc naacaaatga ctgccacgca tcacctcca agaagctctg 480
 cgccangtct ctccacanca atggggacaa tcttggtggt gttttacttg tgatcaaaa 539

<210> 2182
 <211> 427

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 2182
ggcaaaatgc ctttcacttt agtagagctg ggcttccagg actacgcaag ctcaaacttc 60
cccttgaatt tgccccaga ttctcaattt attgcatctt gtttatttta tttagaactt 120
ctggcaagct ctatcctgat tacactacac tttcttttcc ctgctttgcg aaaaaagcaa 180
gatttggtgt cttcttttctg tttgctcgct tagacaaact ctccccactc catctacgcc 240
tcacctactt cttctctctt acatcctcag tctctcttca tagagcagac tcattgtaca 300
gtataacaat gcctaaccat gttattctgg atcangtgcc gtagttgccg tctcggtcgc 360
tgtcgccaac gctggtgcan tttcgagtcg cctgaagtgc gacgatacgc cgatgatggt 420
cgccgca 427

<210> 2183
<211> 262
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 2183
gtcggcagca ggatgctttc tcgtcctgct tcccctacgc tgggtgggtcc gatgactaag 60
aagagaaaat cgagcgcgtc tagagtacct aacgggctga ccatgaccgc catggacacc 120
acgccctcac cgggttcgca ggcagctcaa ctgggctaag ccacgtcttc ctttaccctt 180
ggactttggg gggttcttcc aggccgagcc ttattnggac aanaaccaat tttttttctt 240
atgccggccc ctnaccttgg gg 262

<210> 2184
<211> 566
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 2184
gaaatgacgg aacgaccttc tacatttact tttgctctca ttccaagatt cgagctgctc 60
atgtgggtatt cttcttttct tcttctccca ttgtctttgt gtttccatat attttgggtct 120
tcaagactgc tctcttcgct ggtatgaact cttccttgaa caccacaagca tatatgtcgg 180
tggggaggct atgtgcatct taataggcct atttggtctc aagaattgct tatagtattt 240
ggactcgccg ggataganga ntgcacggg tagggttatg gaatcgctgc ttgccttttt 300
cttcttcttt ttttctgtta cctgtctttg cttgtgggtt tgactttact ctgggttgat 360
ttggttgant acatgtgcga accacaacat accatgttat ttcttggttg aagccgggtga 420
tggctaattg ggaagcattg gatttggttc gatatatctc tctttgggca agctattggg 480
tggttttctt gtggcttcnc aattttattt tgangacact gctttncttg cangcgtttt 540
gtgctgcaag catattctac taggct 566

<210> 2185
<211> 787
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(787)

<223> n = A,T,C or G

<400> 2185

gttttgatcg	tttcatccaa	gttacgccat	ggagatatcc	gtggtaaaaa	tttgagttca	60
gactcagctt	cagtcttcca	acactgcaca	atgtgagtga	gtcttccagc	cagccctcgt	120
ctaggtgaca	tcggtcagtc	gaacattctg	cgggtacagc	cagacttggg	ttggacaggg	180
gataaggcgc	gatacctaac	ttgaggggaat	taacaaggct	gcctgccata	cgaattcgac	240
agcgggtcgt	atctctgttc	gtccatccat	atcactttct	ccccgcacgc	tccagtccca	300
gcagcgatga	tgattgcttc	attcccttcg	tttctcgtac	gatgacctct	ttgttacgaa	360
gtccagtgac	cagaggcgca	agtgaccatc	aagggatctt	ccgagtcttg	agatctggat	420
ggaggctaaa	ccttttcttc	tctttccacc	acagaaactt	gntgcgggga	cttgggtgatg	480
gtcggatagc	tttgnatgtc	atccttttgc	gctataagct	tatcaaaccg	ccctggtcga	540
ttttttgtta	aactgnacca	gtagtgggga	tcatnactcg	agtaaccggg	tcggnatggg	600
gcccgtacgc	tcgaaccctt	aaaatagcgg	atgccatgan	ggtnaaaagc	aaggggtaag	660
tcaattggga	aaagtcgatt	ttttgaagga	actttgaata	atcggcgtga	tggtgtttgg	720
acacaangga	atttntacat	tanggaatat	tncaggcaac	nttgatcagg	gtttttttta	780
agacccc						787

<210> 2186

<211> 615

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 2186

ttggcgaaag	tcctgtgtcc	aacccatcca	gcaactcgta	ctctgtcgga	gagcacgcaa	60
gtacagtttc	gaggtcgaca	gagccacata	tctcccaacc	cgactctcct	acggctggac	120
atggtgggtca	tactcgcagc	acatctgatg	tatctgggtg	cactgaaaac	agtggcagac	180
cgcctcggat	agcatctgat	gtgtctggta	tttctgaagg	cgacgcttct	gctctccgac	240
atattacaag	ccctataagc	cctagaagtg	acgatggcaa	catgccttcg	ccgccattcc	300
ctggtatgac	agaggatata	cttccttctc	ctcctgcaga	tctcacgcct	tcacgcnctt	360
ctcttaatac	agcaagtggc	tcctgntcct	gtgtcttctt	ccaagtgcc	acgaggcgcc	420
cggtcggggac	tatnttacag	gcaanggtc	atcaagcccg	aatagaaaga	agtatgttta	480
aaggagagcg	aggaagacat	ngggcaaaca	aagtaagcac	acttgggggtg	ggngggggnt	540
atttgcaaaa	gcnggggttc	taatattttg	ganggtatat	tatggtcgga	catanggnac	600
atatntagan	ctcgg					615

<210> 2187

<211> 230

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(230)

<223> n = A,T,C or G

<400> 2187

naacgtgnta	tacaactaca	tntacatata	anggggggng	aanctaaata	aaactgtcac	60
ngaggctttc	accccnccgc	gnggggaaaa	ttatatataa	cgtttctcat	gctcacaatt	120
tgngccatgg	gngtactcat	tgtctgggtt	ngggganatg	nagaaacaaa	ngtatgccgc	180

ncaaaaaaang gaccgctntt tnggagaggn attcaaggag gagatntctt

230

<210> 2188

<211> 647

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 2188

cttagttatg	atcgagcttg	cggtagttgt	tcatgcctgt	tattgggtcca	accgagagat	60
atcgataaaa	ggctgaatac	ccgtcttacc	cgtcaagtcc	ttgtctagtc	tgtccctatg	120
ttgcactaca	ttcatgatcc	tcccaacagc	tctccctctc	ctgcagtgcc	tccaggggtac	180
agagcctcac	atgcagggtt	ccgcccaggc	aagtaggcag	atggcagaat	ctgggtctgtc	240
tatatgtagg	gggccaagcc	atcccgtctt	attctccgat	tctttttact	tctgaccag	300
atgtcagcct	gccatgacca	ttagccaaac	ttgttggtcg	acactcgaca	atgccaggcg	360
attgtggatc	gacctgtccg	gcctctgatg	gcttctacgc	ttatagcccg	agtgtagggtg	420
gnaacgccgn	gttactcact	gctttgctct	gcttctcttg	ctgcactata	ctttggaatt	480
cgatccaaga	actacctctt	nttcctngta	ctcacaaccg	gactctttct	cgaagtgtctg	540
ggattttaatg	ggcgaattct	gnttcactta	aaacgggatg	aacaaggnc	ctttttntt	600
ggtatggttt	ggaacaagtc	tgggnccatc	gctaattgagc	ctcgcca		647

<210> 2189

<211> 353

<212> DNA

<213> *Fusarium venenatum*

<400> 2189

gtgacggcgg	gcagcgaggc	atggtcggag	agtgttggtg	gtgatggcgg	aagatgctgt	60
cgcccagcga	aggggctggg	cagtcctctg	ccgaagggcc	gagctcatta	tatgagatgt	120
ggtggtggtt	tttgaaaagg	tggtcctagg	tggtgatgaa	gaggtgagac	tggatcagta	180
tggagggatc	caggcaagtg	tatatcttac	aggagacgta	aagtggctcg	tgcggtgatg	240
gaagataagt	taattctatc	tgggttgagt	ggtaaagagc	aacgggtgga	agagagctta	300
atatatttgt	atctgtctgg	cagtgcact	aaactgtcgg	ttgaaaaaaa	aaa	353

<210> 2190

<211> 385

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(385)

<223> n = A,T,C or G

<400> 2190

cgaggctaaa	agtggctatt	cgtcttaaca	aacctgtaac	agtgcggttc	atcggtctcg	60
tgtaggaagg	aagcttcagg	gacgtgtaca	cccttggtgt	gacacggcat	gagtgtatgt	120
atatatgcac	agcaacctcc	aacctccctt	ccattcattt	gcctcgagc	attgacactt	180
ttgaecgggt	gagtttctact	gcttctgtaa	taaaataggt	tgtttggtgt	gacgttgagc	240
tctgatgggt	atgtgacatg	ttctatgtcg	tgatctgtcg	cccaacactg	tcgcttctga	300
gaaggatttt	gaagaggaga	ccgagcaaac	tccggtntta	gttatgagag	aattgagagg	360
aacgatccan	tccagttnaa	aaaaa				385

<210> 2191

<211> 594

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(594)

<223> n = A,T,C or G

<400> 2191

cgacctcggg	gaggattctg	tcctgcttga	gtcgccgctt	gataagattg	agccttacca	60
gctgttccgt	aatactttga	tgaaaatgca	agcagaacag	cccccaattt	acgggagctt	120
ggctggacac	cttacagccg	atgaccagaa	cgttattcag	aacgtgatgg	tcaaggccga	180
tgagattgcc	acacagcagg	ctcaacaggc	ccagcaagct	cagctcctcg	ctcagcagca	240
ggctgcccgt	atggccgcca	gctttgggtg	cacagaacgg	aggtgctagc	taatccagcg	300
aagattgtgg	ttgagagaaa	atcaagttat	tggaatggtt	tccccctttg	ttatatcccc	360
ttcctctttc	gcgttagggc	aggagtcaag	attccccggg	gaccaagaaa	cgtgttgagc	420
ccatatcaaa	agaaagagac	tttagaacgt	gcaacaatga	tggacnacc	cgccgtggaa	480
ggccttccaa	aagaatgccg	nggtatgatt	ggatttgggc	acttggattg	aaacctatta	540
acgagtgggt	atatgatggg	aaaggacacg	gtaggaacna	accggttcca	caga	594

<210> 2192

<211> 602

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(602)

<223> n = A,T,C or G

<400> 2192

tttttttttn	cagctcgttt	attgttttat	actgtacttg	cacgatttgt	ctgccgtctc	60
ggcaaggctc	gtacaagatg	aattcggcta	caacaacaag	tacagagact	tcgaatggct	120
ctgcttctgc	ctctatttct	aaacgcaacg	gtcacgacgt	caccgcgacc	aacggaaatg	180
gaacagccac	gacaggtcct	ccaaagaagc	ctgggtcaaaa	gtacanacac	gttgctgccg	240
ttcataagca	gacgagacca	tcattgtttga	gccacgattc	agatgctgct	cccagcttta	300
ttggctttcg	caatctcatg	gngattgcct	cngngtttga	aacttacgat	tgatgattga	360
aaacattcaa	aagtgcgggtg	ttttgatctg	cgtgagatgt	catgactaca	gtcgccagga	420
tattttcttg	ggctgctctc	tactttctca	tccatgccat	ntnttgccc	cctacttgat	480
tgaactggct	gctgctaaca	agcgcgaaga	tctnttaaac	gttacaacga	tagtgctttt	540
ngnggccctt	naaancaaga	gccccacaag	tttcacaaaa	cttgggcatt	ggcnatgggc	600
ct						602

<210> 2193

<211> 673

<212> DNA

<213> Fusarium venenatum

<400> 2193

caacactaca	ccaagattgt	attgctatcg	acattatttc	accgcacaca	ctgggcctca	60
agacaacatc	gcttgctcgg	cccacatcac	tactctacct	ggctgttgac	ccgaaacagc	120
acgagccttt	gatcaacgat	tgatggatgc	tcacactgct	tacagccaca	attgtttggc	180
gtttacggaa	ttggacttgt	gcaagcctgg	catggcgcg	cgggcacccg	cattggagtt	240
tgggtctttt	ttaaactgcg	aagtttgttt	cattttctct	ttgctatcgc	ggaacatcac	300
cgccttttgt	ttgactctgc	tgttttaatc	atcatgtctg	gtcgccctca	tctttgaccg	360
ctctccgttg	aacgggcaga	gacggtctta	ataaggattg	agcgcgcaac	agaatgagcc	420
tgctttatth	gtatttacgc	agaagaaaag	cgaagcctgg	ttttacgcgt	gtcacgatgt	480
ctccgagagt	gcgtccttaa	ctgcgcctac	aacgatgact	tgattgaatg	caaagactgt	540
ataatggcgc	aggggaaaag	ggaaatgaaa	tgtagtgatg	tgatttggga	aaggaaacaa	600
aaagtttgct	tccttgcgag	gaatgcaatg	caatggattt	gtgctttttc	gaaggaggag	660
ttgggcataa	cag					673

<210> 2194
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<400> 2194
 cggcaccag cgatgagaaa gtcattggag gactttgtct gagccgatga atcgcccaag 60
 tctgaagatg cgtgctggag ttatctccat attcctggcg tttaaaacca ccaggagctt 120
 gtcataatcg acaatttcgt actcaccatt ctcttcacta aaccgtcata atcttcgagg 180
 agtctttaac ctctttttct atttccagat cccatttccc gcataccgat ttcagggatc 240
 atgatgattt atgcatatatt tacacggaca caccgcccgc attaccctaa tgatcccacc 300
 agcgttgagg gaccacaggg gaacgaacga cactcaagcc ctctcccta cagagctctg 360
 tatcacttct ctacaaaggc aacaggacgt ggggcgcttc tctgcaaaga cgccgaccaa 420
 cggctgaatc ttctaggatt ctctggtgta gagtaatccc agggaggatg ctgattcaaa 480
 gtcctttctc tagtcaccaa gtccagaagg taacctgtgc accatgtcat ggcttgggga 540
 gggatttact tccttcgctg ggatagaaaa aagcgacttt gcattccgaa gcccctgggc 600
 ttcaa 605

<210> 2195
 <211> 242
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(242)
 <223> n = A,T,C or G

<400> 2195
 ngagangact ttcccagagc ttggccagta ctgaanaagt gggttggaga gggttcgtccc 60
 gctgcaacca tggtagatgc tgcattgatg aaggaagaga tgaanattga aatccaagtc 120
 cctgctagaa taggatgtgg naaacaggaa aanatagacc catgtttgcc atctaaaaaa 180
 aaanaaaaaa aaaaatttnt gccgcnctt ngagcttgct ttaaccgggc ccacttcccc 240
 ct 242

<210> 2196
 <211> 517
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(517)
 <223> n = A,T,C or G

<400> 2196
 gcaagatgct tccagtcatt cattgctttt tgtagccaag ccgaagcagt taccagtcac 60
 tctttattgt tcaaaatgct gccaaggcta tgcctactct tccattcttt gtttgcct 120
 ctctgcatcg cgcgcgacaa caacaacacc agtcaatatg ccgcgaccag cggcacagtc 180
 tgggccacgc cccacgatag ttactcgtcg tcaataggcg ttctcggttg caaagtcgac 240
 acgaatcgca tcgcttattg gcccaattcc atcgattgag acaatatctg catctccttg 300
 acctaccaag acgctccgtc tatctcctcc gcacgatca atcccaaggc gcgcacgacg 360
 ttagctatga tgcattggaat tacctctaca ctggctacag cgccaccgac aagcctacag 420
 ccggggggcc tgtcgaaatg actacganaa ttcaatgctt ccaaatgcaa gcacttgatc 480
 gatacaaagg gtgcaaatta cccttagcgc cgccaca 517

<210> 2197
 <211> 633
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 2197

ggggatgcaa	gcaaattgat	tgagaataga	agcaacttgc	attcatcttc	gcatcacccg	60
attaattccc	acgatggctc	attacatoga	tttcaccact	gcctctaccc	ctacctgttc	120
cctctctgct	atccctccta	ctaccagga	tcccctgttc	tttactcgtc	ttatcgacaa	180
gcaattcggg	cttgacaaga	caaaaaatgg	tccggcggat	gagcatcagg	cttggggccat	240
gagctacaac	aaacagcttg	cctctcagca	gctacggctc	agccagcaat	atgatcagat	300
tgccgctctt	caggggatga	cctctgatct	ccatgcgaag	cccgcagacc	ctcagctcct	360
tcnaaacatc	agccaggtcg	agcagcttct	tggagcttca	cccttctacc	gacgctcaaa	420
tcttgggagc	ggagcttntt	catgcccagg	gctgggtcaa	agaggccgtt	gctaagcaag	480
tccaatacca	gttgccctgac	caagttgccg	ctgaagctgc	ctcccgcctt	gaccttcgca	540
tnaaagctcg	tgctcaagct	cgtnttcaag	ctgcgcgaag	gntaccccg	catcttctac	600
cctcaattcc	cttactntnt	cattctaccc	aaa			633

<210> 2198

<211> 461

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(461)

<223> n = A,T,C or G

<400> 2198

catttattgt	tctcttctcc	aacttcttct	gttcatctca	actcaaacca	attgacttgt	60
aaccaacatg	tcatgacacg	gtcacgatgc	ttccggaacc	aacaatcgca	cttacctttc	120
ctagcataaa	cgatggaacc	atcttgattg	ccgtatctac	catcctctct	cgctagctgc	180
gaaccagaag	cgccaacatg	gctgaaacat	gccgctgtgg	tggctcatcc	gtatgcaccc	240
atggggaaga	tgctatgatg	atcctgtngg	tagganctgc	ggctgcgcaa	ttgcttcggg	300
aaagggttnt	tggtagcgac	tttaatttcc	gaagtgcaca	tggatctgcc	gganggactc	360
attggactcg	aaacccgaac	aaatgatatg	caacgttgtg	gcttttggtt	tacactacnt	420
cactatctcg	atccttcaac	actatngaaa	cggntctgcga	a		461

<210> 2199

<211> 585

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(585)

<223> n = A,T,C or G

<400> 2199

cgctacgaaa	gccatagccg	aatgctttgc	ccgtttacat	ccacaccgtc	taacgcgctg	60
gctaccgagt	agcgcagtag	catgcacagc	cctcccactc	gcgatgcaca	tggtagatat	120
caaaatgtcc	gcggcctctt	ccgctgccga	gatctggctc	cgaccagacg	ttgcttcaaa	180
acagtcacga	ctgaatgtcc	tcattcaagt	gttcagagaa	ctccatccta	aatacgacgg	240
cgtgcattct	atctccaaga	caattcggta	ttttatggaa	tgcgttggcg	tcaacgagcc	300
tacgcaaattg	atgatcacaa	acgaccagag	cgatgtactc	gcacgaagtc	ctgcccataa	360
tctacgcttg	ctttgacaat	cgacgtgtgt	ctgaccaaga	tcgtctcgta	caaganagga	420
tttcccgcgtg	cctgagagtt	cgtcagcagg	atcatcactt	atgccatact	tcgggcaacc	480
agcatccata	cgancaatga	cagacatntg	tgcctgtcag	catcgccgcc	gtacgccata	540

tttgcagaac ttccgcggat gagagatcac gnngtcccct caatg

585

<210> 2200

<211> 106

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(106)

<223> n = A,T,C or G

<400> 2200

nggggtcgcca tgacaanatt gancgtgtac tгнаaggngt atgcntaat caagattacg
gctntaatgg ananggacca anancgtatg attnngccta aggacc

60
106

<210> 2201

<211> 269

<212> DNA

<213> *Fusarium venenatum*

<400> 2201

gcctcagtcg acattgtgac acttctcgga gtcaacgggt accttactta tctctacagc
tccattgact caactgctgc ttgggtgccag gtcccctacc ttgggtgggt cacctttgct
acctaccttt gactgccat tggacacttg aacaactggg acctcgcaag cggcgagatc
aacaagaagg agtaaggtaga tccggtagaa gaattattgta aagttcactt tttgatcacg
agctttgaat gcagctgtat tgaaaacttc

60
120
180
240
269

<210> 2202

<211> 101

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(101)

<223> n = A,T,C or G

<400> 2202

ncntgggttg ggggggaacc tttttgacaa tgggggnccc ccaaanttga tnaacttggg
gggggcctaa anaaccttac cgggtggggg gnggattttt t

60
101

<210> 2203

<211> 455

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(455)

<223> n = A,T,C or G

<400> 2203

ntagttgggc atcctaacct aactaatgcc tacattagtc caaagagtgt gatgataccc
tcagaattca atcagaacgc cctctctttc cctctttggc tcttgcgcca cttcatgttc
ggctctccggc tcctcttcat actcatcctc tgcttctacc tctgacgcct catccaagtc
tactgggtctt gcgtcgacac gcttcgcacg agctctggac cgaggcttcc tcttgggtata
gctcatgatc ttctgttcca ttctgacgagc actcgatgca tccgcagcac gaagcatctc
tggaggcatt ggcattgacac cacgcgcctg gagccaccag tcgggggaact gcgagaggcc
gacttctgca aggccagttg acgttgtggg cattgtgtgc tcgtagtgac agtccagacc

60
120
180
240
300
360
420

ccatttgcag actccatggt ggcaccagtg tcgac

455

<210> 2204

<211> 105

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(105)

<223> n = A,T,C or G

<400> 2204

ntggtgtgtt cacacgagan cntggaggaa ttggtncgga tttgagncta atacatggga
aagttgaggg ttacgaattc caagntgctg nagaatgggn taaaa

60

105

<210> 2205

<211> 862

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(862)

<223> n = A,T,C or G

<400> 2205

catcaacaac aactcactac ctaataatca accaacaatca ctcgcttttc ccccagtcac
tcgcttttgt taagaggtgg atttttttgt cgatttttaa tgggtgatttg catgatcgac
cttttaccga ttgattcgtc tcgtttcgtg gctggatagc tgaaaccgga tttaccgacc
gacacaactg tttgcttggc ccgtcagcaa aggggtcgat ttccaacaac aacaaccacc
actgcactgt cactcttttc caccatcggt aaccatcaat cgaattaaac gtttcttttc
atcatggtgt cgcatgggtt tacattggcg cttctcctca caccttcatt ggctcttcag
aacgatttta gcttctaccc gaaaggtgca caaaaatgcc ttgagaagaa cgctgacgac
gcctcatgca cggcgccga ctcaaaggag ctcaattact gcctgtgtgg tttgggcaat
tacaataatg acttcacctt tggctcancg cgctgcattg gacaagagtc gcctaacgac
attgacgaga cgtacgatat gatgggtggg gcttgtaaca actnccagac accaatgaag
acctngaaaa cggactttca gcaggctgcc catgatggag agacgactac gagcgccaca
ggaacgactg cgactgcttc agcgactgct tcagcgactg cttnagcgac tgataccgct
tctaccgct cgcacacggc tgctgcttcg acaaccgatg cttnaaatgc agatgctggc
acgggactgt cgacaggtgc gacgatcggt gtgggcgttg gtgcacanca agaggtgctg
gaatcgcggg ttagtcattt gg

60

120

180

240

300

360

420

480

540

600

660

720

780

840

862

<210> 2206

<211> 746

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(746)

<223> n = A,T,C or G

<400> 2206

tttttttttt ttttttggat acttattatc caattgccag gcacctatnt attctgagca
attaagcact atttatattc aatccatcta ctggatgtga tccttgagga atcccttgac
ctgttcctca gtgacaccct taataccag caacacatta tcaagcttct caaacttggg
aatgctcttc gcatcaaaga tagctcggaa caaataaggt cccagggtag gccagtcata
aatgcccttg gccacattgg catnaacttc gcagngatat tatcaatctg gcatgcttaa
ccttcactc ctttcagggt ctgacttcct tttgcaagct caagaacctt gttttgggtg

60

120

180

240

300

360

<400> 2209
 ccggatgaag gctgggag gtaatgactg agctgttgcg cgagatcatg gcgcgggtcg 60
 ggcttctttc catccgtttt tcatggcccc ctttcttctt tctcaccttt ctgtggattc 120
 ttttctcgcg cttgcttcta ctgtttctgt tgettcctgtt actttttttc tcagtatctc 180
 caagcattac tacagtatgg gcctgtgata ccccttttcc gtgttctggg agaaaagggc 240
 aaatttcctg tcttgccctc aatcggtatg acacatttct tcttccctt cctgttatgt 300
 cgataaagcc aaagagcgct acatgtttct cagtctctct atctctctat acgagcgcaa 360
 tctccaggat acctaccacc agtatgtgac ctgcactttg ttgcatttgg tcaggtgtca 420
 atctggcatt tcaaatcttc ttatctgacg aagtcatgag cgtttcgtcc antcttgtat 480
 gccacgaagc atctgatatt tcagtggctg gcgaaagggg tggcagttcc atctcaagga 540
 ttttccanct gtgtatttaa cgtgacatt tccttctctaa cgggaacaat tttttttcca 600
 attttcactt ttttcnttac tganaaaa 627

<210> 2210

<211> 225

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(225)

<223> n = A,T,C or G

<400> 2210
 nactgatgtg ggtgctccaa ataatgacgg acgtgccac gaggagaatg ctcttaagga 60
 taccactgag agtcatgaca agtcctgaag tcttaccaat aaggaagaca ctgatgacnt 120
 ttaggatgaa tgcaaaacat gcgttagcaa aagagcatgc cataccctgc aggggctgca 180
 tcttccctt aaaatcgagg acntttcant gaagcanacg acaac 225

<210> 2211

<211> 234

<212> DNA

<213> *Fusarium venenatum*

<400> 2211
 cagaccttcc cttcctcttt tgccaatcca ctttcaaccc tttcgatctg acgggaacgg 60
 attcgagtga aggtatctat tgtacatccc tcttacaagg actacagctc cagattcagt 120
 tacaatcacc cttcgtcct caaacttgtc tagcagtgga tccactgtgt atctgcatct 180
 gcactctcatt catctggatc tgacctgtt caactgtgat cgactacaac aagc 234

<210> 2212

<211> 47

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(47)

<223> n = A,T,C or G

<400> 2212
 tanccagggt ntctaccctc tcnanaacgt ccacatncga aagttat 47

<210> 2213

<211> 630

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(630)
 <223> n = A,T,C or G

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<400> 2213
aaacatctca ggacacgtcg ctatcacctt cccgtgggtcg caactctccc tgtcccccg 60
tggcttggtg gctttgccat gtactccgcc cagcaaaccg gcgctgataa tgcgacaatc 120
aaccgcgcgc cctcagctc acctattata ggtctttcac atcaaccaca acgctcactc 180
aagcgacagc attctcctgt actttacgac gtgctacagc cgggtgatga tggatgtcg 240
gcggaacagt agtttgatgt cgctgtgctt tctgcgacat cgggtactt cgtgccagac 300
agcgcaatca tttgcatttt tttcctttct agaccggnac cattattttt aatttttttt 360
ttttttaatt tttttgctc gattttcgta cagcgtctgc taaaaagaaa aagtttagtat 420
aaggggaaag gctaaccatt atcattatca caggtgatac aaagccactc cggaaacgag 480
ccaaaccaat gaacaaacga tcttcgggag catttccgag gttctgggca gctgaacctn 540
gaccttctta ngcattcttc gccagattct aatctaagnt cgnattgcac aagccagcct 600
gctntcacag tgagacaaaa nccnccagac 630
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<210> 2214
 <211> 604
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

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<400> 2214
atttcgttta ttctttgtcc atacttcacc gtactgcaact tggttccatg actttgacgg 60
atacgtgcag caatcttaac ccattataaa ccaagccccg cctctttagg tcctgtcaga 120
tccccgacgt cgccgctaca cgcgctcagg ctctttgccc cctcccgtg tgagcctgg 180
ttggcagaga gcttgcttgg atttggtatc aaatctagag tgcctgaaa ctcacttctt 240
tcgatttcaa ataattttcc atccttcgcg acactcttct tcgaccagcc tcacatccca 300
tcactcgcca tggcttccgc cggcactgga ggctctttgc acccaacttt ctcttgacct 360
gcaacaagca gaaccttctc ttcgntgcct taacttcaat agcaagaant tgntggtcta 420
ccggcaacac gctgctttgc caanacactn ttcggacttt tgccgccagc aaagccggca 480
ggcctaagtt tcagganagn ccttcttgaa atatgattca cttggcnatt tgnttcnatt 540
tnttgnaca ggacaaccgc ctgatgggna cttctggacc acggcgnttt caaaaagcgt 600
tttg 604
```

<210> 2215
 <211> 959
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(959)
 <223> n = A,T,C or G

```
<400> 2215
tgtcagtcag gatgttgctg atctgaatcc tcacctacag tacctgcctg cactaccacg 60
gaggtactcc ctntctacat caacgaagct tcccttactc agttgtctta cctgctttta 120
ttaagatcac acaatctttc atcaacctct ctacagtttc tcataacctc acaaattcct 180
ttcctataac ctctcagaca agtacataac agtcaaattc caatcagcca atttctgcag 240
cagtgacaat cactgtgttt ttgttttgct tctcaaagcc cgccttcgcg accattctta 300
cttgctgctt ctcatcacc ttcaaagctc gcaaagtaac ctctccgctc ccaacacaat 360
ggcgcacatc aagtctctca tgaccgcgca ctcggctgcc caccagctcg tcaagcgcca 420
gaactgggct tctaaggagg ctgggtgttat cgttgtcttc tgcacgttg gtgttgctgc 480
cattggtctt ctgagcctct tcctttacaa gaaggccgct gcccgcaagg ccaacaaggc 540
ctccgcgcgtc taaaccgaat gttcggagaa gaccgaggtt aggggagaat ggagggtgac 600
```

ctgaggcata	gtcatgagcg	tctttggact	attggcctca	ggtagacgcg	gtgttacgtc	660
aaaagtgcct	cctgcgacac	ttcgggtgac	cgacagtgac	cccgtattcc	agtcatacat	720
cggctacgtc	cctcatcaat	tcttcgcttg	cgggttgcca	gtcgaacccc	aacgatcagc	780
aagtcttggc	ttgcatttca	tcgtacatat	caacatacca	cgggatctcg	tgggacaaac	840
gtgctggaag	gacgggttct	cgtcgagtg	tgcgggctag	gtggctgngt	tctatattct	900
aatgctactg	atacctacct	gtttgaagca	aacaataatg	attctttaca	tgactnttn	959

<210> 2216
 <211> 564
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 2216	
ccgcgagctg	acggcggcta
tcatcctac	aatacttccc
tgtacaatac	aatgactata
anatatggcc	aggaatgctg
actatctgta	tcttgacgat
cacgtactgt	tggagatctc
caaaggccga	tattacagcc
ntcgcatgtg	gttgacgatt
ctggcctgaa	aacgaaattc
atcgaagcga	catctagttg
acgg	

<210> 2217
 <211> 548
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 2217	
ncgggacctc	tgccgggtgct
ccgtggctcat	gacgttctgc
tattngcgct	gctgcgaaa
gaaggncctt	tacaagcctg
cgatttcttc	aagcaaagaa
tcattctacca	tatacggtcc
gcgcatgana	aaactgnntt
aaacatggt	cgccaacgng
agctccggcg	naaaaattgg
ttggccgc	

<210> 2218
 <211> 627
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 2218
ccttgtttta cactgacttcg cttgacactt gtttcaagaa catcaaccac accgngggtt 60
tatatcattt tctgttgatc taagacgttg agatgattac aaataactaat attcccaaca 120
attgaaagta cactgaaatct atctagttta ttcatactgg ctcttacacc agtttatccc 180
atccgtcctc ccaataacca acagtacaag acagaacacc caaccaacgc caaattataa 240
aacccataac aattctgtca aacgtcgagc ttctccctct ntggcgacgc actcccgtta 300
ctaccctnag tacttggtata tgtaggactt gccatatctn tgtgttcata cgaactatac 360
atcaaagact tttgccgcaa ctacatntnt tcaacagctc ttcacaccgc tcaagtcttg 420
ccaggagttc ttttgtaggt ttgcgacaac tgcgcttggg agccggtgta cttggaatac 480
attgtattcc cgctgttaa agggtagtta ctaagtcaag tggtagtcta gtagtatgta 540
tgtcctttgg caaaangaac acnggctttt gcgacgcact tttnttgng ttggtgaaaa 600
aaacacaaac taaaacttgg gggggggn 627

<210> 2219

<211> 597

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 2219
gtttttaaat tatgacaagc gttttgcttc ttacctatca aagctccccg tctatgtgtc 60
cccagtcaaa tacacctatt cattgcatgg ctttgatcca aaatgcaggc caatggcctc 120
ggtttccagc gtcatcccag gttacttcca gttcccttac tgcaagatct tccactaggg 180
acgtcttttc ttcatgatct ctcatgattt cgttgacgag cgtccaactt gcgtcaaaaa 240
acattcggtg cgttgcaagt gttttgcgca cctggatagc caacgcttca ccagtttcga 300
tggggcttct agccttgcat tcccactcgt tcagcacaag ctacactgt gagccatgaa 360
aagcacctg agccccctc cgcattgtgaa tatcgtcaag taggttgcc agttgagcct 420
ctaaggtgac aatgagacga cctacatata cgagattgtc gacagcctcg gcgaagtatg 480
gtgaaattgt ctccatgntg cgggtatacc tttggggaag anatcgtcaa taacgtctac 540
acctaatacc agctctcagg tacttctgaa ggaagaagaa gaaaggctcc aaatgga 597

<210> 2220

<211> 239

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(239)

<223> n = A,T,C or G

<400> 2220
naacacgacc tnaagcgcat cctgencacc tgcctnctgg cttnaacnaa atcctnnggc 60
tgcatttggc cctgatgcaa agcntgatcc cactgtccaa gctgntaacc tggetgngc 120
attcngcgtt tttgcaatac tggaaaccca caaanactat accttcgaga ggggtcataa 180
aggttgacgg tntcgnccgag ctaaaangaa agacggctgt tatggccgac ctagttgca 239

<210> 2221

<211> 612

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 2221

gcgtgcataa	aacaagcaca	atcaattgaa	tcaactcagt	ttgcatataa	gattaaacaa	60
tattcatcat	gtcatttttg	atcgagacag	aagattggca	tacagccggc	gaaccttttc	120
gcacgtcca	aacccttccc	aaagaccacc	tcccgatcgg	tgcaacagtc	aaagaccgtc	180
gcctcaatgt	gatcaacact	cccaaccatc	ctcttgatcg	gctccgcaa	tctctatgcc	240
atgaaccgcg	tgggcacgct	gatatgtacg	gcggttttat	tacagaacca	gacgacgccg	300
gcgctgactt	tggagtccgt	ttttggcaca	aagatggctt	ttccactgcg	tgcgggcacg	360
gcactatagc	tctaggttac	tgggccatta	ctaagaaatt	gggccaagt	ccagaaaatg	420
ggactgtcga	tgttgtgac	gatgtgcctt	caggacgagt	agtagccaag	atcactcttg	480
aacaggaag	accgattcat	ggggatttca	tcaatgttaa	gagctatcag	atcgccaaag	540
acttgtcggt	caaccttnct	tcaanggatg	tcgatntaaa	ngtcaacttg	gcttttgggg	600
gacccgntta	cc					612

<210> 2222

<211> 615

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 2222

ctactaaaac	aatcctatta	atgcgagttt	cggtgcagat	aactttatta	tatcttgccg	60
atatattaaa	gcgacattga	tagagtccta	cgctaacac	actctacact	caagccgcat	120
cctttctact	caacctaaat	taaccccgcc	ttcatcgagc	ttacagccgg	ttccaacgac	180
gaagctatca	ccatgtctga	aaccgctttc	gcccanaacat	ttctctcacc	gctcgagtcg	240
cgacctattc	gactatcagc	cgatcatgtc	gaagacccta	aatccttccc	agctcgcca	300
ccctatatca	tcctctcgat	gccaaagggc	atgagcaagc	ctaacaacct	cgcccctggt	360
tccgaacgaa	gcacactgt	ctcactcaag	tctcttcgca	acccttccct	gagcatcaag	420
cttacctctt	aacccctcga	tacctcgatc	ctggacatca	agaacaacat	ttagaaggag	480
acgaggatac	ccgtcgccaa	gacgaagctt	ctgcacaaca	agaagccttt	tnccgacagt	540
aagatcctta	aggagatttt	gggtgagacg	gatatgtctg	tcgagttacg	gtcatggtca	600
ttggcggggc	tggtg					615

<210> 2223

<211> 626

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(626)

<223> n = A,T,C or G

<400> 2223

agaggtctca	ctgcatgcc	gccttttgac	catcaatgat	ccatcgattc	tttactaacg	60
agaagcgcg	atctgtgact	attgtgcctg	gaccaatata	acttttgaat	ccatcacttg	120
aatctttacat	tgtctctcat	cctcacgatt	acccaagacc	tgcttacata	ctctaacttc	180
acttcaatga	gaaaccatac	acttctctgc	catgagtgag	acaacaaaga	tcaaganggg	240
caaagcgctca	gccaaacgca	acagcgaagc	acgccgtgaa	caaaatcgtc	tcgccagccg	300
gaactaccga	gagaagcgga	aacagaaact	agcgtgttg	aatgagcttc	tcgagccaag	360
tagcatagct	agtgatgtta	tcgataatgc	tcaaataaat	ccctctcagg	gactgaacgg	420
cccagtgacc	tgctgatacc	cagctgcaag	accaagcatt	gccaaagctc	ttcaacctga	480
atcggcant	atcaacccaa	gcatgggaag	ttttgacgat	actataccat	ataatgnacc	540
acgtntgnng	ggagatttat	ctcaagaaaag	tgggttccgc	tnntttacca	aggnaacct	600
aacatnctac	catggccaac	ttgggn				626

<210> 2224
 <211> 535
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

```
<400> 2224
nttttttagag atatatagaaat tcgctgggca ttaagtcacc cgtccctcca agactngntc      60
aatcgctgnc gtgtctagta ccattccctt gtatgtgacg tctatagaag cataggataa      120
atttgggtgta agtggtccatt gccacgcagc agatgtaact cttagcaccct gctatcaaga      180
tttgatatga gggattggcg atgcttttct gctccgctct tgtcgtggac ttgatgggaa      240
atcattctga ttagaagtcc atggcatggt gcaaatacca tatccatctc ccgctggttg      300
gtccacccaa agcgattctt gatgtcctct tggagtaaca gcatctggat ctggaattct      360
ttttggcatc taacgtagtc gacaccaggt tttctatcct cggcatgaaa aggtaagaaa      420
tccatattga caaacttaat agatgtgatg tgtgtttgac agtatgacaa caggaccccg      480
atgccatggg tgnncttctt aactaccggg aggacnnggt tacccttac atcat          535
```

<210> 2225
 <211> 616
 <212> DNA
 <213> *Fusarium venenatum*

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<400> 2225
ctaactttgt tggctcttcg cgctttgaag agaagcgata gaaggtagtt gagagcactc      60
atcatgttct ctgcgcgact ggtaaccag agctgtaaag cgatcccccg tggattctca      120
ttaactcgag tacgtgctca aagagctagt agctacagaa agttggccag cccgcctccc      180
gtcttcgaag ctcgagactc ttttgaagcc aaaaatggat ctctcaccat ttccagcgcc      240
gaccgctcta tctacgtggt agagaaaaag aagaagggcg gctggacaag tttagacgcc      300
atcctcctcc gcgacagttg tacttgtgca gcatgcgttg acacagcctc gggcctaaaag      360
accttttgcca caacatctat accatcggat attgccattg acaagattcg ctcgacggaa      420
gaaggatatca gcatctcatt caagaatgac atgtaccag accacgagat ggtactgccc      480
tggctatcag tcgataaagc aatgggttac aaaagggtag agaagatgcc tgctccaagg      540
catgaacttg tgtatcccaa agacaaggcg gacgttttgg gacaagggca ttatccagga      600
acgtgttcgc aaaatt
                                          616
```

<210> 2226
 <211> 591
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

```
<400> 2226
cgaggacact tctatgacat actcacctca taacgctgct accatagaaa tctacggtga      60
catacccatc cgggtgctatt gcactacctc aagttcagtg ggacggtttc atgtotcagt      120
cagtcgctga gcccaaggca cactccataa cctcaagcgc gtccggttca ttcgagtcac      180
agccttcctt taccagcgga gctgcaatgc agccccagtc caacaaccaa ctgcccccta      240
tcaacggcca aaactgcaat ggtctggttc ccgctttaca gtcgatgac aactcgttac      300
caaactctgc cgccgcgcca ccatccctt gggtttcaga gtccctctaaa gctggttaca      360
aggctccaga agtggtgggt gacgangaac gcaacgccat cttggacaac attcgcaatg      420
cagacagcga ncatgccatt cccgaaggct tccgtcttcc gggccttgga tcattaaatc      480
gatactgtca acatacttcg ggctatccac caccatctac ctttctctaca ccngcctcat      540
```

ccacctacca aatctcnccc aactgttgct acatcctcat tattggtgcc t

591

<210> 2227

<211> 536

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(536)

<223> n = A,T,C or G

<400> 2227

catggattag	aggctctcgc	aatgatagga	atgaaacacc	ggcctccgct	agtcgtcgac	60
gcagaacagg	tgatgctccg	gctgggcagg	aacctgctca	acagactgag	cagactcagc	120
aaacagcaga	agttactcag	gcatcaaacg	gtggtgttct	ctcctccatg	cggggcgctt	180
tacgatttgg	tcgaaggcga	caaccagaag	agaatcctga	agctgtaaca	ccatcacaaac	240
ttgaagcggc	aaaccgcgca	ccagccgccca	cataaacatg	tgtatcacat	tttccattct	300
tacataacga	cacgaatctt	tttagcgatg	gtttcccttc	attccttctt	ggcaaccaca	360
ctgctgggca	caaccgtctg	gaatcttgac	attataaagg	aattgatttt	tgacgacacg	420
gcatttgatt	tacaccgcat	gatatacacg	tggagcgaca	gtagggttat	nagtgggaga	480
aaagtgagga	cgtataacgc	tcgatgagct	atatataccc	cctgatgacg	atggtg	536

<210> 2228

<211> 409

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 2228

ggtgtgggat	actcccgctg	cttttgtcgc	cccgcgctca	atacgcatat	tcattcgacat	60
cgaaacctgc	atcgcttttt	tttactgcta	ccccggtcac	ggtcacgtgc	tttttctaga	120
tcgtcgattt	cccattcacc	tgacccatta	tcggtccatc	ccatttccat	ccccagcaac	180
ccatccaatn	caacaactag	attggctttt	tgnactttac	tttatctcgc	accggtcgcc	240
aggaccagca	aacaggcctg	actttgacga	tcttgaacga	ntaccgtttg	ngccccgcca	300
ccatccatna	tntatacnta	atttttggat	tcngtccccg	tttggnagtt	aggaaactcn	360
cacctttant	tttaccttaa	aaanaaaatt	ttttggtnaa	naaaccaaa		409

<210> 2229

<211> 302

<212> DNA

<213> *Fusarium venenatum*

<400> 2229

attgtcagat	gtctgtcaca	ccaagaacct	tcagttaaga	tatcatctat	aggcttgaca	60
agtccttact	tggcagactt	tgcccagcaa	gctgggtgatg	taaccgttgg	cgagctggta	120
gagggtagcc	atggctctgac	gctcgatttg	ccaaagggtgc	agaacctggg	tagactcggt	180
ctgggtgtcc	tggcaacgag	agacattgat	gagaagctag	gagcggaagc	tgtccagggt	240
cttgctttct	tggctcctcg	tctccccgag	ggtgacggag	aagatgagga	agaagaggag	300
ga						302

<210> 2230

<211> 581

<212> DNA

<213> *Fusarium venenatum*

ttggcatcaa	agaaatttct	tatcatattc	aatcctttac	cctaaaatcc	ccggaaataa	660
aaccaaaaaa	cccgtaaaaa	atggcnaggc	ttgngagcgt	tcntccncgg	gggacttcca	720
aggtttccgg	accggcggtt	ttcaacaagg	agtttgagtt	nttccnctac	cattaacctg	780
gganaatacc	gggaacgncc	ccaacgceaa	gcgaggggtt	ccct		824

<210> 2233
 <211> 592
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 2233						
gccaagtaat	ctcctttctca	gagaatgggt	tggcgaaaag	ttccgcaatc	cagacagtga	60
caccgatagc	gataccagtt	tggacagcct	cgagccagcc	gctgcgctcg	ttcttgggct	120
gcttaccacc	cttctgctgt	tggttgcttcg	acttgttggc	cccatacctg	ccatacctgtg	180
acgtggcttc	ctggtccatg	cggaagatg	agaattgacc	attctggccc	tggttctcct	240
ctagatcgat	gattcgttca	gtgacctggg	acacgcagcg	catcaatcgt	cctttgtcta	300
gaattgagag	gttgccgttc	tgtcgtaact	tttgaggag	atcgcggggc	tcggatgggtg	360
cgccaacaat	ctggagcttc	tcaaggatat	ctttcgccac	tggttttga	gcctctggaa	420
cctagatgtg	aattcttcga	gatgggcgaa	ttcctctttg	cttaannaat	ccaaccctcc	480
ngcagaagtg	gcggcttcgg	tgccctcanat	ttgcctcctc	gantccatca	tctccttctt	540
ttgaattagg	ggcttactgc	catgttcggt	actctgtctg	ggtttgaccg	gg	592

<210> 2234
 <211> 601
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 2234						
cttctccaca	acttaatcca	tcattacata	aattcactag	caaacaagct	ccactcatct	60
acaagcatca	ccgcagtcca	taagaattcc	atcaagaatc	atcacagttc	atcatgtcag	120
aacccttcag	cgtcgccgcc	atcctcggtg	gcatggcaga	agcgcttccc	acacattctc	180
ccaacgacga	atcatctgat	ctcgcatacct	cttatgaagt	tatcgctctg	ctcattcact	240
cctatctctc	cgctcttggc	ttcaagatcc	agggctttga	cgaggacgaa	aagctagctg	300
aatgcgactc	actcgcccct	cgcttgccat	cacaatggaa	ctcgggcttc	aaatcctaca	360
gctttgtgta	ttcgcacaag	cagtcagcca	tgacctttag	cattcgcggtg	gatcgcatgg	420
gcaagaaggt	tgaggttcgc	ggactggctg	tggganacga	taacattcgt	cgtttcgaac	480
gatcaatcag	tgaagttgng	gactctaaga	agctcctatt	cgcatcacca	tcaaggacaa	540
ccaaaaagac	cgaagtgacc	ttggtgaaaa	gctccgcgct	gngttcacat	ctganaaaagc	600
t						601

<210> 2235
 <211> 558
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 2235
gcttttgtcg cctgacgact ggtcgtctcg catcatttgc attagggcta cattgaccat 60
cgacttggaa ctcgactgga gccttttggat cgaccgccaa cctacggtag tcaacgtctt 120
agcgttacgg ctgacttgac gttcgcccgt tcgaccacct ctgtttggac aagaaagacc 180
tacctcgagt gttcaagact gcacactgcg aatcgagtat cgcattgatt tctttggcgc 240
agattgtctt tgtctaacgc aacattttct atcacttcga accccacgat cttgaccttt 300
ccgcgggtcc tctgttctgc gaccgcactg atttatccgt cagtcttact gaagccccgc 360
gagaactttg ctgcacgccc atcttccggc gggttgccgc ccgtgtgcgc canatccaca 420
actgtcgctt gactctgtct tgaaagnatg tcnegcagcg agttatgtca caactctctc 480
agtgactctc ctcagcagcc gcanctcttc ccgaacctaa tcaccccgct gcaccttaat 540
cacatctccg tcatccgc 558

<210> 2236
<211> 536
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 2236
cggcacttga atcgagctc tcacgtctcc agcagagcga ggaccagcag gcagtcagcc 60
cggatattga ggccttgact gtcgaggagc ttcgcttgaa gtacacaaag ctgcagcagg 120
gatttcgatt cgatcaacat gggagttgcc cgccattgaa aaggcggtca agaagatgaa 180
ggaacttgct catangaagc aatggacttc agcgctacag aagancgcat ctcgatcttg 240
attgcgagga agacaaggcc gatcaaaaat acttcgctgc ccgaaaggat gcggatacnc 300
gaaacaacga gatcagatca ttgcgcccca gaacagcnag actcggaat cattgcccac 360
tcaaggatct cgaatcacia aatcccactt ctgggcatct anaaaaacag ttgccgatct 420
gaagccatca aacgctctct gatgaccgag aaccagaaat ggagcnacaa tcttgatctg 480
tcgccgtnc aattcttgaa caaccantta cgatcttcaa atttggtcaa ntccaa 536

<210> 2237
<211> 763
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 2237
cctcaactca agtcttgaac aaaacaacaa gaaaagatcg tcaacgctca tcacggaccc 60
ctagctttct atccccccat acacacattc ccggtcgcca cagcttctat tatacggcac 120
ttgcaaaaaa cctgtatcac gtcgatcaca accgatacca ggaaaaaacc atgactcggg 180
ctactttcac aacaatcaca cccttgccct caaacttaac tcgccagcaa gtggtcgact 240
ttctacacga tcatttagca atgattgact tgaatcctct catcatagaa cgccaccaa 300
tctctcctcc ctacacgccc ccggatgatg agaagagatg tgtatggtat tccatgacgg 360
atcgattga ctacctccct ggtggtatcg cctccggtca ggtcacatac acggctgcct 420
tctttgactc ttcggatggg ctccagacac acagttacgc tcccatgggg cttgatctcc 480
gtggccgctg gtctgtgggc ggaactatgc ccggagagcg tccgcaacct gttgagcttg 540
gtcctggggc aacggcttcg ggtctttatc tccgcgaaga tgtttgacat gcgctgtaac 600
atgctcatgg tatcctttgt taaagaagac tattaanaag tctcatggaa ctctggtcga 660
aaaagttgtc gcaanaaact ttcctnaagt ctgcaaaaac actntatgca aaactttggg 720
accaactccc ccgggagctt ttnnaaacac ccccccttcc agc 763

<210> 2238
<211> 314

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(314)
<223> n = A,T,C or G

<400> 2238
cgatgaggggt ttcggaagg aggacccac acgatacaaa ctgattgttg ttgacgagaa 60
cgagaaggcc aaggagcaac ctctctctc aattgaggtt cctacttaca aggccttcta 120
ttcccagctc gccaaaggcca ttgagactgg aaaggaagag gatgtacctg tcaaggctag 180
cgaggcccga gatgttttgc agatcattga ggggtgtttc gaaagtgcta agactggcaa 240
ggacgttctt tttgctttga agcctttagg gcacttaaga tataatgaat ttaatgaaca 300
ataaaaagaa aaan 314

<210> 2239
<211> 690
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

<400> 2239
gtcgatatga caaaacttga tgtttcctgc catcagcttg tctgtggctg tcatcgtaag 60
aacatcaagc tcatcgaatc ttctactgga actgccatct acttcccacc tccgttctct 120
gctatgtacc gttactgtcc tccaaatgcg acccgctcgcg atcccagcga tattttcatc 180
accggtgaaa cccctcaggc catcgaaactc gccaaagcaaa aacttcacga gactgttcaa 240
cgcatcaggc tttacgttaa ggacgtaact atccctgctg ctaagattga cagtattctc 300
cttggtcgcc tggataaggt tcgcaaaatc ctggaagcta atgggtacttt tatcctggtt 360
ccttccttgg ccaccagcg caacatgggt cgtgtccaag gtacgaggg ccttcattgtc 420
gagcgaaccg tgcggganat catgtcgctg gctgggcaat tctacagtgg gggctggtag 480
atacagcatg caaatgctag gcagtttctt ggtcctcgctg acatgcggag catgctcggt 540
gatatatgtg ctaactctga cgccgacatt ttgttcgata nggcttaact tttgccatca 600
ctgggtttga agacncaana aaatcccctc tccaagtttt ttcaaaaaag aaatttgtat 660
cgcagnccaa caccaaattt gtgtnaagat 690

<210> 2240
<211> 964
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(964)
<223> n = A,T,C or G

<400> 2240
ngtccggnat accattaccg agttacatct acttatagta cctacctatc tcttggtgct 60
gttagactac ggccccccct tgccaagtca agcccttgga aaagaacctt tcgtaccttt 120
cctttccttc cctctcctct cctcacgtct cctctcctca cgtctccctt cctcacgtct 180
cccctcatct cctcttcctt cctcacaatg atgctgtgtc ctcgacaagc attttccact 240
gccgcccgtt ttcaccccaa tattgttctt catcttcgtc cccagaagag aatgtctttt 300
ggaagattgg ccaagcccgt cgcggtattt gtagctgttg gctacggggc aaagctctct 360
cttgacatgg tggcgaaacg acgcattgct cagatggaag ccacagagcg cgagaatgcc 420
gcctaccgag agcgaaatga agccttgatg aacatgtatg gcgatcgatc aagcctcgac 480
gagctcgaaa aggctgtgca attttacgaa aaacgataaa tgagatccac gtcaaaacga 540

aaagaaagaa	agaaacacaa	accaagccga	gccgagccga	gtaacccttg	tcctacactt	600
ccttcgTTTT	tatacatctg	aagcgacggc	gatcactcac	tcccatggga	atggaatata	660
tcggggTTTT	ttggcacgga	taccaccacg	atctgaaccc	tcgaaattgc	atggaacagc	720
gttaaaagga	ataccatttg	tttgccatgt	tgcttgaaag	aaacccgatt	atccgacttg	780
ttgatttaac	cccaacattt	actctgcctg	ggcgtnttat	nattcaacga	aacaacatcg	840
acaatgaagt	gtctacgaag	tcgatcgatc	ccctgtgtcg	aataacacct	ggctctggct	900
ggctctggct	ggctctcttg	atgaatgggtg	cccgggtgtag	tgaatttaat	agattattac	960
actg						964

<210> 2241

<211> 531

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(531)

<223> n = A,T,C or G

<400> 2241

agacgatcct	tctccattgg	tcttggttaag	aagcgagctg	gcagtgttca	aggctcaggc	60
gacaagcaga	accgtcgatt	ttctttggcc	aaggctatgg	gtctaggtag	aaacgagggg	120
agcgtgacgg	ggctctgaagc	ggattcacag	caggatctgc	ccattcagca	tccccgaact	180
gagcaactcc	gcggctacag	cgtctacgat	gagccccgac	acagcgagcc	ctatttcgat	240
gcaccctacg	aacaataccc	ccaacgtgat	acagcacaat	ccagccctgt	gtacaatata	300
cgatatggat	ctcagcaacc	agatggccga	agacctaatg	ccgtaccac	ttatatgcag	360
ggaggtagcc	atttaaatac	tggttcagat	tcatcagtgg	acatgcgacg	accgnacgac	420
tcacgatctt	gccgtaccaa	gaagactttc	cggctctgaa	gatccatggg	cgccagttng	480
aatagcccg	aggccgtctg	nntgcttaca	aantacaaga	agtcgcgggt	c	531

<210> 2242

<211> 295

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 2242

nctgggcttg	ctccnggatt	ngaaaagggg	ggaaactcca	acggcatgcc	cgcganaatg	60
aaccgacgag	gtcatcactt	accaagctag	tttggggggc	atgggaaana	ggattcggcc	120
tggccatcca	aggaggcctg	aacgggggat	ggttgaggag	gaggtgccaa	cnaaggacgc	180
tnggcatttt	atgtttcatc	aaagcnaaat	ggacnaaaan	acttgttaaa	cgtggaatgg	240
accccgttan	ggngttccct	tgaagcnggg	ttggcaactt	attntttgtt	ttttn	295

<210> 2243

<211> 576

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(576)

<223> n = A,T,C or G

<400> 2243

gaaccaccaa	agccaacatc	accaccacct	gactttccat	cttcgcctgc	acgaagcaca	60
agtcggcgct	gcaccaaaca	agtaccgagt	gcgcgatgct	ttcccgtctt	cgatctctgg	120

cctgcaacaa	tggncctctct	tatgctcagc	gtcttcggtg	tcgaagttat	cgtnaccta	180
ntcaacacat	tggagccccg	cgatcaataa	cctgctctgg	acattgatca	acttctcca	240
tctcgacntc	aaaggggtgcc	ggcgaaacag	cgcaagcttc	aggccgatta	cctcaaggtc	300
cgacnanacc	taaatggcac	gagctcccag	gatgaatttg	ccagggtgggc	aaagctgcgt	360
cgccagcacg	ataagcttct	cgatcnacta	gagaagacca	agaaaaccac	cgaggctgca	420
cgatccaact	ttganagant	cctcaccgtc	gtccgtatcg	tcgttactcg	cgcgccgcaa	480
tacttcttac	ccttttggtg	cgccactgan	cctatgttct	ggctgcctca	cngntgggtt	540
ccttactggg	gggaatggat	ctgtctttcc	ctcggtg			576

<210> 2244

<211> 125

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(125)

<223> n = A,T,C or G

<400> 2244

ncaaanaaca	cgatnntctt	gttcntcneg	cgtgggtcaa	aanggtgttt	gantatngac	60
tgagaccaac	aaacctgggtg	tgctgtatga	gtnaaaacna	ttnacatgtt	tgctnctaac	120
ttntg						125

<210> 2245

<211> 384

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 2245

ctcgagtatt	cgacgacttt	gtcgagtatt	gtttgttaag	cgaacgctct	tttgtctcac	60
ttgcgcgctc	tgcgctgatt	gatanctgcg	ctttgttctg	gagcctcttt	tgacgtcggt	120
atcgagccg	ttgcacaacg	cgatccgcgt	ctacgcatac	agctccatca	cccgaccaan	180
gtgatacaac	agccactccg	ggaacgagcc	ataccaatga	acaaacgatc	ttcggggagc	240
atttccgagg	ctcctgggca	ngctgttcct	cgaccctccc	tcagggcatt	cctccgncca	300
gactcctcaa	tctcaaggct	cggcattgcc	acangccaag	ccctgcctat	caccagtgca	360
gacacaaatg	gcacccaaag	acca				384

<210> 2246

<211> 593

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 2246

tttccatcca	tctaatacact	tctcccattg	attgaattct	tgctggatcc	gccatctata	60
tagcattgtt	gtgcccagag	gcacccggat	gcccagagcc	gtgcagagac	aagacgagcc	120
acacaccacc	gatacttacc	gatatctcgc	ccgccgttcc	gtcccgacct	ccgatctgtg	180
tctaattgtc	tctgcactca	actattcggt	gccccaaagtc	tgaatggacc	ctgcggctgt	240
ccgcgaaagg	ccgtgtttcg	accgcgcctc	taaataaagc	tctaactttg	gtcatacaaa	300
acatccacat	acggacctcg	caaaccgata	ctcgctcggt	gtcgggtctg	agcctcaatc	360

actctntttc	cggggagcgg	gaggaagcaa	tgactactgg	agcaaattgg	gtcaccaaga	420
tgtacaggca	tcaatacaat	tgtatactgg	tggtcanttc	aactctgnat	aagatgttac	480
cgcnttgagg	acacccatgc	gaacgacgtn	tactggaagn	gcgcgtctga	ggcaaatncc	540
ttcaacgtta	taacntccaa	cgaatnccga	gtttcangtt	ttaactcncg	ttt	593

<210> 2247
 <211> 1025
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1025)
 <223> n = A,T,C or G

<400> 2247						
cccgatcctt	tcataagtta	cgctatcgct	agccttttagt	tcgatctcag	aaaccataaa	60
tcctatccaa	cttcccacct	actaagcagt	gcataatttct	aaacctccaa	ggctcccata	120
cattgttctt	tgactttata	tcataaccaca	ttaccacaac	caacctactt	cttgaaactt	180
ggctgtctca	actcaaggat	aaccttaacc	agtatcatgc	ctcaatctcc	gtttcccttg	240
cctcctgtgt	tatctcagta	tgatcaagaa	catgtcacag	tcttgataga	aactggatca	300
tactcttcaa	cagaaacaca	taacttatgc	tctacgcaca	caaccttgga	actgtcacca	360
gttctgtcct	tcggcttcag	gtcccagaaa	gtacctggaa	ctcgctgtcc	cacctgcgct	420
ctagcaggta	aagaagtatg	ggtgattcca	ggcgcgtgct	gtggctattg	cggaactccc	480
tgtgttgatt	aagaatagca	aaacagtcaa	atgacttata	taacatttct	agctgatgcg	540
ctcagcaacc	cggacgtgca	aatttgttca	acgtctgccc	ccagtaccta	caggacttga	600
agatcccaag	tcagtcaaaa	accatggagc	ataataagag	taaccggggt	ggcaaaaactt	660
tgctcgttag	aaggacgagc	tacgccaaaga	tgaaaatggg	gatggctcgca	acagagcggt	720
ggtaagctta	caatatggag	ttgacggctt	catgcgatct	gatggcacaa	acaaacttat	780
ctctgcactc	tcggtatttg	agagtagatg	acacaaaaag	gtaatgngct	cttttaccaa	840
tggatctatc	gtcccgtgag	aatccgccat	gcgtctgcca	ctcattgggt	tcaaacntac	900
caaacacgag	tcaagtcaat	ttacaaaagtc	cgnngccttg	gcttatatat	gactgggagg	960
atnggggctg	ttgccccctg	ttactaaggg	cgaagggtcc	aacatggttg	ggggatgtan	1020
ttggn						1025

<210> 2248
 <211> 585
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 2248						
caatattcta	cctatggaac	tcagacattc	tgaccaaacg	agcctgcccc	ccctggcgag	60
caacccgact	gcagaggcca	ctcggacatg	attcacgctt	gttccgaggc	actcaagtac	120
aagcacgcca	aggatgtttg	taccccatca	gtgatgtcaa	cgttcctcaa	ccgcacacc	180
atcacatggc	cattcttttg	tctggttgac	ttttgggctc	agtttgccct	ccttggtgtg	240
ttcctcgttg	tcttcattac	agcccctttc	cgcacaccca	agctcgacct	ttctcaaatt	300
gatgaggaag	ccgaggcaga	tgaggaagaa	agccttctcg	cgtctactgg	tagacgcttt	360
ggtgctacat	ggcaggacgt	cagaggaaag	gttagctcan	gaaatgactc	tacgaataac	420
ggtaacggat	cgcaatccgc	tgcttgattg	gtttcacgta	taaaatagtc	aagtttttca	480
gaatgatgga	ngtattgggt	aacgcaacaa	cattgatggg	ttggagttgg	taattggcat	540
gtttgggtat	ntgnctttac	gccatgtttt	gagaaagaat	acttt		585

<210> 2249
 <211> 591
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 2249

atcagcaaca	ccatcggtcg	tatccgcgcc	aactgaaccc	cagactaatg	gccagccgcg	60
agctgcggct	cgtcgccgct	tctccatgaa	cogttcatct	gccacaactc	gttccaactc	120
tcctccctca	cccagcgata	acggcctcga	gatgaatctt	acacaccgag	aacgtgacgg	180
tgacaagtct	gttcctagcc	agggcgattt	taaaaagaac	cgcgccctcca	ctggatttac	240
cttgcgcaac	cgagccatca	atttcgttgg	tgcgaaatcac	aacggctcgag	gaaatggcaa	300
taagcgccct	gaatacaacc	gccgagctag	tagctatgac	ggcagccgcc	ctaatacacc	360
tcttccacca	cccgcagaag	gcgacgagac	tatgtatcca	cctgagcgga	gtggttgggc	420
ctcttcctnc	aaagtccgga	actggtgcc	aggctcgccg	atgagtttga	atcttcctga	480
aaaattttgc	cgtggatgtg	gctgagcttg	caaaacgagt	tcaaataccac	gcaggttttg	540
gggtcggatg	gaagcatntt	gnaagggacc	ggtcaaggta	cactatgatg	c	591

<210> 2250

<211> 441

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 2250

nngcatgacc	accccataca	agcagcacaa	gcttgagttc	ctacaccgag	ggccaaaccc	60
accacccacg	gacccaatnt	gggacgagac	cctgacgtgg	gagtaggang	acnacgagct	120
gntntttttg	cgcatgctca	ttaagagcga	tgatagttgg	gcncgaaacc	ccatgtttgc	180
tgtggcagca	ttgccactac	tttatgttca	gccaggctgg	agttttattc	gcattgctgga	240
tctcaagggc	cntgagacac	aatgnnccat	cctngntaac	tttgagatta	ttgatgctna	300
gaaggcggnt	tctnatgagt	atacnaatta	tctatggnt	tggccttttg	ngtttaanag	360
attntganct	tgccnccgtc	agaaaaaanat	ggaaaccccc	tggcnagngc	acgtttgggt	420
gnaaaaaant	cctgcggccg	a				441

<210> 2251

<211> 631

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 2251

naagcacttg	ccttgcttat	aatgaggtgt	tgcttcccaa	tacacacggg	gaggttgctc	60
cttcccatcg	ctatgagcct	gtagctgaac	atgggctggt	gagaagattg	aactggaagg	120
agctccttcc	ttcatgaact	acacgattaa	gaccccatct	cctttgtcct	tgccctccg	180
tctccctcgc	ggctcatccc	tgagcatctc	cggtcgaaac	aaacaatata	cctcatcgac	240
atcacctcgc	atgatccaaa	gccccatgg	ccccattcca	gtgggcgcct	tgctcctaca	300
tttcacgatg	gcgtaaagag	aagccccac	gacatagcat	cccgactcct	gtcagccgag	360
ttgccgagga	cctgtttcaa	catcccacgc	cttgatcaca	aaccgatcag	aagctcgaat	420
acgtcctgga	gataatatta	cggaccgatt	cgacactggg	ccaaggaang	gcttggttca	480
accgtgaggg	gatgctgcct	aaggtgttgg	agtcctgccc	aacgtgatga	ctgactgggt	540
gtgatgatga	tgtanttacc	aagaatttgt	gagtaccacg	gcagaagatg	atganatgct	600

tgatcaagta cgantgcttc nacanataca a

631

<210> 2252

<211> 461

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(461)

<223> n = A,T,C or G

<400> 2252

ccgncttcaa	agagcatcac	tggaggcagg	gctgcggtcg	gcatcgatga	ccaacccacc	60
tcctcatcgc	tacgctcaag	tcttcggctt	ctgtttactt	ttcgagccca	aagagtcaat	120
aattaatcgt	atgtccacca	cgttgtctag	gattagccag	gaatcgctct	ttgtgtggag	180
gtatcctttc	acaaaccttg	gcgngctgg	cacattcttt	cctgatggtg	aagggtgctg	240
tggctatnng	gcagcaggtc	ctgacgggcc	aggctgcatt	tggttaacca	gggtttggtt	300
cagtctatga	agccccaaaa	gatgactggt	ttttcaatgg	ggcccgtttg	gcccggatnt	360
anaaactacg	aagaaannct	attgactaac	ncatccnaat	gatgttaang	gattttgagg	420
gaatttttcg	ccnttatnag	gctganacgt	tttacnccaa	a		461

<210> 2253

<211> 603

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(603)

<223> n = A,T,C or G

<400> 2253

tttttttttt	tttttatttc	aatatatatc	ttgttttaga	accatctatc	cttgttccta	60
tactcttttc	gcttgcgacc	ccgatcagat	gtgtcccccac	caccaaatac	atcagtccta	120
gcccgcact	cttgtacact	acggtgccgt	ctcgtaacca	ctgacaaaaga	tgatcttcag	180
acttctcttt	ttctttgtcc	aaagagctgc	tggagctctt	tctcgagtgg	aagaacgagc	240
tggacctcct	cccttcggag	tcaacagagc	ccgtagggct	tggtggcggt	tcgctagtat	300
tacttccact	accatagacg	gntgacatag	agctcctgcc	gngtacatcc	atcttatcca	360
tgtctgaagt	caaagacgtc	tggctgntgg	taaatccatc	agactcttnt	atagccagac	420
gatgaagcat	caccagttct	cctagctcga	ccatctgatg	agggccaata	ttagccgcta	480
tgatttcccc	cgcactcttg	agtactcctc	tgatattatc	aacaacgatt	actccgcctt	540
caatggcatt	gcttatggaa	atggcgatgn	gggcttgccc	gccctnttgg	ctgccaaagt	600
tat						603

<210> 2254

<211> 365

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(365)

<223> n = A,T,C or G

<400> 2254

gctcactgga	ttgggtcctc	gtntcgatcat	gaentgcggt	cttgtggggg	ctcaattcgt	60
catgtacgcg	caatgcaagg	cgntgacagg	agctccacct	gntattgaga	ttcacaaaaga	120
agagtcactg	ngagatgtna	tgtaacgact	aaaaagtaaa	tatcnatntg	gaaacggngt	180
tgaggtgata	gacaggagga	tataagatct	ttaaagcgag	ttccgggtatt	agattaattg	240

aaacttnata ttntgctacn aaaaatggct ntgcattnga cccaaatgca aaagggttctt	300
taaagagaat cgnatganga ataataattt cntgcggccg ntcgagcatg cntttaangg	360
gccca	365

<210> 2255
 <211> 148
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(148)
 <223> n = A,T,C or G

<400> 2255	
ncttaaaaaa ctttgnCGta atntggaaaa agnccccac tttnatnttt ctaagngctt	60
ggccttcttt ggacntgnga ctatnggggn ggantgttta aaaaanantt ctttttacag	120
cctgttagag gggatatccat nccntttt	148

<210> 2256
 <211> 568
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 2256	
ggaattcaga cccctttcac aacttgacat tgatttaagg aaggcggctg aatttacaac	60
aaccaagagt ttattctcta ccacgcgaaa acgaaaaaca atcacacaac tcctactgac	120
ctgatcgacc accttataga ctgctcacga cagccctgt tctcgacaac tcattcccct	180
actccgacaa cctcataccc gccatgtccg aagcctaaga acgagagcgc cagaacaatg	240
gcgcctcga cgaactctcc gccaaagtct ctgtctccgt ggggtgacag tcgacattta	300
cgataacgcc cgagcccaag atgtcattga caacacctcc gatactttct cctctatgac	360
cacacagatg aagggtctctg ccggcggttg gactcgatg ggccgcattt ggtaaccggg	420
ttgcgatcct caagtggcag gaatcgnaat tggcatctct tagtgctggt ctacngngca	480
aaactgattt tntaaaattg ggagcgcagc gtctgntaat ttgggaangc atatgattag	540
agcggaatgg gtgcctgcat ttttcttt	568

<210> 2257
 <211> 223
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(223)
 <223> n = A,T,C or G

<400> 2257	
ntgaagctgt tcacatcang gttcataatt gccacggana caccnctnc caatacantc	60
aggntgtccg anncattctg ttacttcatn tgggccaat ttactgnctg taatntcatg	120
gaggcnnttg gataacatgc caggacgatg gctaacactg ntcaaagctg acactaatcc	180
ccntnacaac tactgggctt aaaacngatn attcattgca acg	223

<210> 2258
 <211> 568
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(568)

<223> n = A,T,C or G

<400> 2258

atgctatact	agtagaaaga	cgccgcgcct	actccagatg	ccgatgaaag	tagcccaaga	60
cnagcctgca	aagcccactc	gccgtggccg	tgccagacct	gctgtcaagt	atgangnagg	120
ccgatcccaa	cgaaattcgt	cgacgacgaa	gccncagggg	agaaggaaga	agaaagatga	180
agcccgaagg	aagaaggang	ttgaaggaaa	gcggaagaaa	gagaatgagg	agaagccncc	240
agtccgtcgg	catattgtta	ctctcaaact	ccccagtggc	tactttgctg	agttcacgcc	300
tgagatggaa	attgtcgaca	atggtgattc	cogtccaact	accgcctgct	ctgangaatc	360
ttctcaaact	gccgagtcgt	cttactcctt	ccggcctaaa	cggcagaaga	atttccgcga	420
caaccctgat	ggangtgaag	actcaagcca	agcgccgccc	atgaaganan	tcaaacgaac	480
aagcggcggg	acngctgtca	ccgaaactcc	atctgctgca	tcncacctg	cccatctact	540
gagccggcca	agtcctcagc	aaccgcaa				568

<210> 2259

<211> 647

<212> DNA

<213> Fusarium venenatum

<400> 2259

tggaattttt	ttttttttat	tttcaaagta	aaaatcgoga	aagcgtcata	tgtgaactat	60
gggtggttgc	taaacttcag	cccactcttg	tccttctttc	tacactgggc	gtgaggtgag	120
aactgactga	tccaaccag	aactctcgcc	acccattccc	tacaacatgt	gcttgcacat	180
gtaaccagct	ttaaatacgt	tcaaacatgt	cgattttaagg	atataccttc	ttgccccact	240
tggtgtactt	gtcgtgaagc	tcggcaggaa	gggtgacgtt	gggaacaacg	acaacgttga	300
gggcgcctgg	agcgtccttg	ggagcctggt	tggggtcacc	accgggggtg	tactggtact	360
tgccagagct	gccgctctcc	cagggatggc	tggcaatggt	gacgggagac	tcggaggtag	420
cgccagtggg	cgatcgcca	aagtagaagc	cagcaccgcc	aagagcagca	accataacac	480
caccgagaat	cagaatctcg	gggttcgct	gggactcctt	cttgagctca	ttcttctggt	540
gctcctggaa	acggcgagca	gtggtggaga	ggaaacgacg	agagacgatg	cgagaggcca	600
ttgtgacgac	gggcttttgc	ggctgtggtt	ggagaatggg	tttctac		647

<210> 2260

<211> 213

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(213)

<223> n = A,T,C or G

<400> 2260

nttggtgccg	acantnagga	gttgatgcnc	aacacngccg	aggttggaag	aattatcnga	60
tattgagacg	gcagaagacc	tgtaggagat	tcctgacaag	ctcaagtcgg	aataggnaaa	120
cgaaacacat	gaggagagaa	atacggtgga	gcagcaaaaa	ccatatatca	tgacatacat	180
aaaagcgtgn	ggttgnaata	gnctgcatac	tca			213

<210> 2261

<211> 601

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

<400> 2261

```
cttgagcaat catcaacttt ctcttctctt tcccttttgc cccatctctg tcataatctc      60
ttcctctccc tcccgatcct caattccaac ttcattgtcg cagcccactt gagcttgtgt      120
gcagtgaatt gattcaaaaa aggaatacgc cgacactcgc cagctcattc catcttacct      180
tttctccggt cctcatcaaa tcttcataat tcgaaatgtc tgcaagtcca ttctcgaggc      240
cgacggnaag gccatcctna actaccatct caccgcgcgc cccgttatca aggnccagcct      300
tttctgcgct aactnaaac cccccaagca actcgcctnt gcacttctctg aanatccaac      360
gtgccgatat ctgaacaagc tgaggcacct accttgggtt ctcagcccga cccaagtctg      420
tcgntaaccg gatcagtnat nagcgacgag gaaanagcgg ctttggccct aanaatctgg      480
ctgagntaag gntgggttnt gaccaacccg naagacacan gtgacatacc atggngtttg      540
aggaattctt ggggagcctt ggccccatcc canaatgngt ctnttaacat cactcngccg      600
g                                                                                   601
```

<210> 2262

<211> 608

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 2262

```
gtcgcattca atacaagttg ttgtcatca agcgcattcc ctgcagatct ttaaaaacag      60
caattgaaca tacaataatt ctacacagtc gtcagatagg ccagcgacgc ctctgagccc      120
acaaaaatgc acgaaatctt tcttacagcc ctcatcgagg acaaagactt cgccggagca      180
tgttccgtcc tgggcggcct cactaacatg gacccctggg agtccatcca acgagttcta      240
tacttccaag gaccaccgcg accaatgggc atcttcaacc agagctcgat taagaaacct      300
ataagccctc ccaacacggg ctttctgtgg aaagagcttc atcagaactt gacgcggcag      360
tcctttatcc tcagacacgc tacgatgtgc tcaaggatcg cgacatggga cctaattgcg      420
cggcgatgga ccttgatgcn acacanggaa tcttgaagtg gactgacttt cgggatccgc      480
cgggggggca acctttgctt accaggggaa caagggtgag ctttgggagc aaaaaatgtt      540
gctttaatta tgcgcgaaaa ccaccacccg ttcaaaantg aaactnttgg gggaaatgtc      600
ccgctttt                                                                                   608
```

<210> 2263

<211> 575

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(575)

<223> n = A,T,C or G

<400> 2263

```
agcgactggc cacgaanaga gcgttttgtc aagtgaacag tctgtccttt acatcctctt      60
ggagtgcacc ctttcgtcat tgccattgcc atcactgcct gactcatcac ctttgacaag      120
gcaacgacaa tcaagcctag tccctgactc aacttactt gatcgagtct tgtgattctc      180
gtgggtggaac gtcgctgcct gcactttatg caactctaact actaacggcc atccccataa      240
tatctcatct gttccactg gatatctgat attggagaac atcatcaaca acatccacaa      300
ctgcctcttt cacacatcac acaacaccca ccnnaaatgg actaccaaca aagcttgcct      360
atcgataagt ttcaacactc gcccgccgag tctctcatgt cnattccagg gganagcttc      420
acatcgctgt tcgacgtcac accccagtcg cacttcacaa tgaaccccat ggagatgata      480
accctnagtc ttccagacaa caaatccttc atcccttccct cagatcagcc agaagaagaa      540
atgtnacgc catcatcatc tctgccccct gagaa                                                                                   575
```

<210> 2264
 <211> 436
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(436)
 <223> n = A,T,C or G

<400> 2264
 caaccaggac cccctcctgc aggacctoct ccgatggctg gtcccccgat ggacccccct 60
 cctcagcaat ccgtgtatga ctatgaggaa actgttattc gagacgtttc gccatcccga 120
 accatgactt caatgtcgag ctacgactct tatacagggg atagttatca tcaccaccac 180
 cagcctggaa gaagcttgct gttcgaactc gctcaaaatc ccgaaccgga naaactttcn 240
 aagggagatt aagggatttg nagegtgagc ttgccaccga cctngaggcc gttccaccgc 300
 ggcgaaacct gttcgcgctt aagcgttgcc ccgatggcca attggtcatt aagggnaaga 360
 acgtggttga aaaaggaagt ttgcaccgga aaacttcttg gattgaaaaa ggacaagaaa 420
 aggtcttccc taaact 436

<210> 2265
 <211> 153
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(153)
 <223> n = A,T,C or G

<400> 2265
 ngggcgcnaga gtacaaccac agtgaacaac tctggatttg naatctcgag gangatccgc 60
 ttgtnataga taaccatgaa atgggttcgt tctagggtat cgatgangag tggcacganc 120
 aagccccaca ggaccaaccc aaccagagga ttc 153

<210> 2266
 <211> 918
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(918)
 <223> n = A,T,C or G

<400> 2266
 atcatttcct ctgttttgcc tagaggcggg ctgatcctac actgtctcgt catcgagggtt 60
 gtgttccagc tcaaattggcg gcaacctcct ttgcgactgc tcaaccactc atcaacgact 120
 ntttgtattg tgaccatcac acttacgtca atggccgtgg tgatctaaaa tctaagccac 180
 gttcacttgc ctntttgcgt agtaacggac acttcttacc tcgactaaca gattctcaaa 240
 ggcataccta cgtacaagcc tcagtcgatg caccctacct tcctagagct agcagtcagc 300
 aggcgaagca aagactcaag ctttgcgggg tagatcgctc cagtgatact ttcatgggca 360
 gtatataaac accccatcat cgaactcctt gtcatcaact ttcccagata cctacatacc 420
 aacaacttca aactactcga taccctttac catatacccc tttaacaaaa acctacagct 480
 tgattaaacc ggcatacagat ccaaaccaaa gaacaatgga aggacaaccc atcaacaacc 540
 aagaaaccac cacacagcct ntgaacgaaa ccccggtggt ggctctcntc tnaanaccgc 600
 cggcaagtga tgctggatac caccgaagaa tgagtgatga gtgggatgcc tcaaagggtc 660
 ctcccagtcg tttccagaag cgcangggat ccatntatgc tacgcccggg tctcgtgacg 720
 gccacgttga caggaattac gcanacaagt attggagcaa gatgaccgan aagaattggg 780

gtagtaaata aactccaacc attgcaacaa ataaatttcg gacgngggtc ctttgaaga	840
agacagagaa acgggaacta aggggaataat tcgtcgnggg taaacgagct acatatatga	900
cttggcgcaa ttgaattc	918

<210> 2267
 <211> 584
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

<400> 2267	
aggtggaaaag aagaacttct tataggaacc catgaaagac cgcgactgca attccatggg	60
cgggcgcgac tccgggccaac cagaattctg tcggtttgcc aagtcctcag agtcaagcaa	120
gtccacaggc aatgccaaac caacagacac ccccgcgagc agcaccacag agaccgccag	180
gtattgcacc gttcaccaaa cactcacccct actttcgacc cagacagacc aacattaccg	240
ttatcgatga tatgccggca gctttcagct cgttggatga ngcccatggc tactggactt	300
tactacagan gtttatgggt cagtacattc ctcttctgac tgcgacaacg gcgcagctcg	360
ctttgccaaa ggtcaaagac agggatgaac ttttagccaa gttgtccagt gtgcgacaaa	420
cccacgaatc gccaaattct tggaggattc aagatcatgg ctccatcgat ggtcaacctc	480
gtttagccct ttgctccaat ctgtgtcggg taatcgacag ancgactcac agtcttacct	540
aaacgccatc aatttgcaca ttgagttcct catcctctat gttt	584

<210> 2268
 <211> 507
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

<400> 2268	
ggnaccgaca ctgtctctat tggttgaatt gaggattatg cgcgcgccgt tatcaactcg	60
ctgccgagta caacagggtca ggacattaag tgccagccag ctggttgacg ggatctaacg	120
gactgccaat acgactcttc ctctctgact cccaacttgt ataaggacaa gtcacccaag	180
cagctagtct cgatecgagac gggtcacggc agcgatgaat ngaaagcacg aattcgaatc	240
gacgcggtag attctagact ttgctacgtt cgcacatctc gaccogttta cggatttgct	300
gttgatggcg cgagtgcgcg agatcctcgt tttggaaaat ttccttcgga gggtttnagt	360
agcgttcaac tctggcgacg tgatcgcgat cgaccctgga ccttgaattc tactttgaat	420
gagcgtaatg cattgggccc nggcagaatt aagaacngag aaaaaaacga ggtgcttgga	480
gacnagnact gaaggctnna agaggta	507

<210> 2269
 <211> 454
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(454)
 <223> n = A,T,C or G

<400> 2269	
gacgctcttc agcctcatcc gcaaggccgg gtggactggc agccggggcc actggaagga	60
cttgatctc aaggttacgc gttaccaggg caagaagact actctggagt atgatgacta	120

caagaagtgg	cgggacactg	ttgaggcgtg	agctggcggg	ttaacagatg	ctgcttccan	180
acatagaggc	cctggcggtt	acgggtgacac	aagggtaaat	ctcttgatga	tgacgatgat	240
ttttttttct	acttctcttc	tctttttattc	tacatttaca	aggtagagtt	gggtttgtca	300
acaccctcat	ctaacagtca	gtacacagaca	ataaatctca	ttcatgggta	acctgaactn	360
aaaaaaaaaa	anaaaaaaat	tcttgcgggc	gngaattctt	cnngtaacga	cttctnttga	420
tgactnctta	ccatttcctt	tgtcaagcgt	ngat			454

<210> 2270
 <211> 112
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(112)
 <223> n = A,T,C or G

<400> 2270						
ntnctgatgc	atcnactggg	caaggccnga	cggccaaggt	cgcancgant	ccacctnccc	60
ctgcgggtgc	atggangnca	tcccattgng	aanacatggg	nanaacttac	gt	112

<210> 2271
 <211> 529
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(529)
 <223> n = A,T,C or G

<400> 2271						
cgaaatatcc	agtgatgcag	tcaactctgt	gtcttccggg	tccgtctcga	aancctctta	60
cgaatttctt	cgggtgtcagt	ccaagaaggg	ctttcgcggtg	cgcaaaccat	ggccgagAAC	120
acaataacta	cttcagctat	acgctgtcac	gctcgatcgt	tgaataactgc	gatacggaaa	180
caaccttttag	cattgactac	ggcatgcgaa	aagacaagtc	acaactttgg	gagccgtcgc	240
tcttcgacag	agacctgtta	cccgaaagct	ccacatcgaa	accaaccttt	gacatcacia	300
aactatttca	gtacgagccg	aaatgcgcgc	ggtttctgga	gtggacggaa	gtcganctcg	360
agttatatgc	caacctggaa	cagccttttc	aagttggcag	ggaagaaaga	taacaagntc	420
tgaagccaga	caactaccga	atcatgacaa	tttagtgaca	ctcgtctatt	tcacaatcgg	480
cgaacacttg	cagccaaggc	gnatctgagc	tcactacccg	cacggaatt		529

<210> 2272
 <211> 559
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(559)
 <223> n = A,T,C or G

<400> 2272						
gtcgaggaag	agcgaattca	gcaaagcacc	caaggttccg	agattgagga	tggccagggt	60
ttgagcggcc	acactgccac	caacaatata	accaacaccg	atcagaatgg	cgattccaag	120
tccactcgcg	tcggcaagtt	cgtaccaggt	gggtgctggcg	gtgttcagaa	gaagggtaac	180
ttcttctcca	agtggctcaa	gccctggatc	tacgccgatt	acgccaccat	gcgccagctc	240
gtgccccatg	agagcaacat	gggactcgac	tacagtgagg	aggttgagag	agacgcttac	300
ttncaccctc	aatcacaang	cgagactccc	atcttggtga	tcccgttgcc	ctgctggcat	360
tctccaagca	ggaggtgctt	cacacgagca	aggtgatccc	atctcaacga	nggttgccac	420

tgacgacaag acaacatcga gtgggacact tgnngggagca cgacctcttn tctggaccgg	480
gagattactc ttaaagngat gatttttttn tgtgatacca acataaaccg gctttaagtt	540
nnttgtttga naagatcaa	559

<210> 2273
 <211> 129
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(129)
 <223> n = A,T,C or G

<400> 2273	
ntaatngag tgcgctnggc gttgctggca actaattatn gactaccatt gattgctntt	60
tgatatagaa catgctgnac aatagattca aggaatgaaa cagcttgacg atgatgacaa	120
tgatagaca	129

<210> 2274
 <211> 379
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(379)
 <223> n = A,T,C or G

<400> 2274	
cgagaggtct gcaactccaa acgagaatat gccccagcac cgatcagcac tgtcgtgca	60
gcacggcccc cccttcagcg gtcaatgagc tcagctatgc gtacaatgac aactnctttt	120
caccgaccaa cctccagcaa ctnttcgatt tttaaacaca acaatatggc cagcgccctcg	180
acacattccg acaacgcctc cgtctggtcc ggctcgcacc agaccgagaa atcagattca	240
caagtcagca aaccctaaagc acgaatggnc ccaccaaccg tatnaagctc gggtcanaan	300
tntctcgtgt aaaattgnnc gacgaggggg cncccaacan accatttgaa tttgntgggg	360
gggccanctn ccctggaaa	379

<210> 2275
 <211> 526
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(526)
 <223> n = A,T,C or G

<400> 2275	
ataacacaca tactcaaata ctctgcatcg attgaatgct aaggcagaca caatgcagta	60
caacaacccc atctcccacc acaccagcca caccatgggc gaagggtgctg ctagtagcaa	120
cagcggcgac aatagcagcg gagcgaatag cgtgggtcac catactagcc acaccatggg	180
ccagggcgcc agcagcagca gctctggtgc ccatggggga ggtgggggttg ctgaggtca	240
aagagtcgac aatggcatca ccctggaagc cgcctaacag acgtcgagac ctacgagaac	300
gaaaacgata cgaatctgat gatgcaagct ccttggcgac agtcttgag tctcaacggc	360
actgttgctn ttagcgcact ttcatgcgaa gctctggtag tctttncac ttcaanatca	420
tcgacacccc ctgccgaggg caacagtttg caactgctct tcaacactga naccaanatn	480
aaatcgaaag gccttgacaa ttggtgtgaa tcctcnattg acgccc	526

<210> 2276

<211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 2276
 gtgcagcagc aggaggtgcg gcaatcgctg gtttagtcat ctggctctgg ctacaccgtc 60
 gcaagaagaa cgtcgaagaa tcgcacccaa tgctccccaa ctacgaaacc aacaactcac 120
 cctaccatcc tggagagccc aaaccccgct ggggcactac acctacgtca ggatggcaga 180
 caccgcaccc caacgcacatca ggatactacg cacaaccgaa gcagcacgcg ggtcccgtcg 240
 aactaccgcc cgacaacctt gtagctgcgc cggctcctat attcgagatg gacggtactt 300
 cttcggggagc tggttgagatg cctggatcaa cgcctgttga tcttcatcac cgtggtagtg 360
 atgagctcag cagancagga ttgggctctt cagctgggga tactgctatg gtttcacctc 420
 agacacaacc tgggaccgct atcgacccaa cggagagatg caccggtaaa atggggttga 480
 tttaatgata gaatgggttg gattggataa ctagattgaa gtaatggcct cggaattttg 540
 ggatgagtgt atatctattg tacatcatca tcgggttgca tttagcgta 590

<210> 2277
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<400> 2277
 cgacgagagt tgcaaatac aaagggtgct ggagcttctt tgtacgtttg tggcggtaat 60
 cattgttact gccaacgaca aacgcacagc gctctctcat tcatctttgt cctccttaat 120
 cggagagagg gccccattc ttgcgtttcc ttcgttgcgg ctttggtttt cgtacgcca 180
 gctcataaaa acagcggcct cactctcggc tcaccttggt ggatgacaat gtgacaacgc 240
 tcctcaccat ttctcattag actttccaca ccggcaaatc tttctctcct catcaacggt 300
 ctctccaaa cttaacctcc taaccttcaa tccgcgaact cgatcgacta aacgtcacgc 360
 ttccacgctt ccgcctgct cctacattga tcgacataaa cattcaactc cgcgaaattt 420
 ctcactccac ggccctaccga ggctcgtgat atcctccagt atgaactcgc tcaagggtcc 480
 cgaaagcggg ctgcagctcg agggctcaac tggcaaggac gctagtctgc cttccaggcc 540
 tttgctctca ccctgagcga tgtccttatt gaggacatga tcaagtgtgt gcagaatggc 600
 gatggcgctt aactttcgct 620

<210> 2278
 <211> 119
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(119)
 <223> n = A,T,C or G

<400> 2278
 ntactgggnt gaccatgcnc tgaccngncg tcaggaacca taagnccgng tccagaagca 60
 aactccgagc nggtcatnat aacacnaatt tagggcattg gntatcgtng gggactccg 119

<210> 2279
 <211> 428
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(428)
 <223> n = A,T,C or G

<400> 2279
 nggggtcnat atgaggatcg tggatcgagg ggggtgtggg ctgagctgga agacgggggt 60
 gatganatac cggtnngggc caaacaagac gtgcctccgt cgggcttcga cggggtatag 120
 aaggggaatg gaaatgcggc ggntnttttg ttcgagtgc taggcctgcg atcgaaaagt 180
 cagggccagt ccagcgacaga gcgacgtcag ccgtttcgan gggggccacg tagaancnac 240
 ctcagatgaa aattggaggt gagagtggag cggaagctgt cnaaacgtga ggggtgtggga 300
 tgggaangat attgaangcn ccggaagagt ggcaagatga ggcttccgtt ttggaccctc 360
 caatnttttt ttnaagaaag cgattccctt aaatcgatta tcngtccaat ccattngggg 420
 tctgtgcg 428

<210> 2280
 <211> 613
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 2280
 cttcatctcg ttcgccgacg ttgtacaggc tgagcacaat cctgcttcag gtattgcggg 60
 ctcccgcgac agcatccatc ttgcgggtct tacatctcta cccgcagcaa tgaaccgctc 120
 accttcgccc attcgatcac ctgtatcgag ccaaggacct gagacaagcc cccctacgag 180
 caaccccggc agtatgaagg gcattgagat gagccctca cgaagaccac tgggtagccc 240
 aaccagcatc aacaacctca agcttaacgt ttcagggggc gatttgaaca ttgagacaat 300
 gagccaggct ctgcgaagaa ctggcagcac tgatctcagc catgttcgaa gcggtcctgc 360
 aagcccaatt gagacctccc accttcgtta aagacaacat ttagtatgat tcaattaaga 420
 cacttggcga gtgagagcaa tgatgatata cacacagcaa atgcaacact ttttcctcta 480
 attcntttct accaattggg gattatactt cctcacttta ntcgattcga ccacgatacc 540
 tcnggcacg tcantttggg ggggaatggga acactgggga tttggcaact ggggaatttga 600
 anagaaagtt ctn 613

<210> 2281
 <211> 286
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2281
 catgttcctg actgacaact acaccatccg tgaggttctt actttccctt tcatgaagga 60
 cgacaagctg gagcagaaga agcaactggc cgctgagggt gttggcattg agcccggtgc 120
 tgaggagggc attgctcaca agtaaaattg agaaatagta tatgtaaggg ttttgtgatg 180
 aggttgggag tatgatttaa cgttgagaca atgataccag gagggacaaa gatttcatcc 240
 tggaaataga acaaaaaaat gaaatgcttt tggtttggtta agaagt 286

<210> 2282
 <211> 482
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 2282
 cacatgcttc ttacgcgtcg ttattcatcc tcggatacct tgggtcttatc acggcagact 60

tcctctttaca	tgtaagcttg	naaaggaccg	atttagcgat	aatccgcgaa	ttcttatcta	120
cctcctttcc	gccacccagc	aacacettca	tngttaattc	anaaacgaat	gcatcagcgc	180
aattaatccc	ggtcttactt	gatgtaaagt	agtgaacact	acggagaacg	atcatcttcg	240
agtcgcgacg	actatactac	ganaaaaaccg	tacatcggac	gatacaagtg	catttctact	300
acatctctca	tctcatnngg	tggtcgcgac	gcgcttctct	catcgtgcct	tncaatgacc	360
cgacaaaatg	catcgagttg	gccatgtcaa	cacagcatta	nctcggcggt	gnanaaatta	420
acntgttttg	ccagcgacct	ttgaaccogg	cgcgtgtntt	actgggnaat	ccttgttcat	480
tt						482

<210> 2283

<211> 589

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 2283

cttgccact	ccttctaagc	ttcgagacga	caactntttc	ctcatcaacg	ccgccgactt	60
tgccctccc	agcaccattc	gtgatacggc	agccggccgt	tctnaagcc	ccttcggnga	120
gagacgacct	tactccccct	ctgtacctgc	tgtctnaaact	ctagcctcgc	ccttngagga	180
gctcgccgcc	cttcctagcc	cttacagcca	tcttctccgc	aagtctggta	cattcactgg	240
tctcgacttt	gcgcccccca	agaagttcaa	ggattccgac	aacatgagcg	atgctggaag	300
tatcaggagt	aaccgtagtg	gcatgtctca	agcccagctc	ggagccatcc	gcaacggagc	360
tggacgtgtc	agccgactgc	ctggcgacca	agtgttcaact	gntgatgcac	tacaagacac	420
gctgaagcca	tcctggggca	tcgcaccttg	ataaaccaaa	aagcagcgca	aacattattg	480
ngaataatcc	gagatttcgg	catcacaaga	agtgtcaaaa	attctnttag	cggtgncttt	540
tggcattcat	tatacagngg	gcgcgggctt	ggccactttg	cacattttt		589

<210> 2284

<211> 485

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(485)

<223> n = A,T,C or G

<400> 2284

gcccaggtcc	caggaaagat	ggtacagccg	aatccctgct	ttcaagtcca	ctttcctcgc	60
cacctggagg	cccacgtca	tcttctgggc	tgcttctcaa	atcgtcaccc	tcggtggcat	120
cagcaccattc	tacgccatgg	gcactgatgg	ccaagaaatt	ccccagttcg	acggtagcga	180
aggcagcggt	tggggcatca	tgatcctggc	tctcttcttc	cagatcgccg	tccaaattcc	240
tgcttatgtt	gttctcattc	gtgtccaggc	ctctcttctt	ccgccgacgc	cgacaccatc	300
attcccttcg	accgctcttt	caatggccgc	atcgagcctg	tcgntgttgg	tggtcggggg	360
tatgccactg	ttcgtgacgc	ttggtccagc	ttctccaagt	ctgcctggaa	acgcattgnc	420
atgctcgagc	tcaaaggcgg	tgctgnctct	tttgccctnca	tctttgncct	gatgggtgca	480
taaat						485

<210> 2285

<211> 606

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

<400> 2285

gttggaatcg	gtgtggcagg	tgctggagca	tcaagagcaa	gtggttttata	aaacctcccc	60
ccgctcaagg	catgccgcaa	ttgggtgcc	atgtcgaatc	cacgcaaagc	ccaaaatttc	120
catatcctga	agctttcaag	caagtcattg	ctccaacgaa	ctccgttccg	cgacgtgacg	180
aagagcatgg	aaatacgggc	agtaattcgg	ctgagcatca	gagcccaaga	ccatcccaag	240
cagtattgat	cgatcggaga	tcagagagga	ttgaggagag	gggtttctca	acaccggttt	300
tcggtgtgtc	gcatactaca	gctattgagt	ttgaggaacg	aatccagccg	acatatgttg	360
tcttgggcat	atttctctgc	ggtgctctca	accctaagga	acaaattgtg	ttcatcgata	420
ggcccgacca	atttttctca	aagctcaggt	gggcgacatt	tcggcttcgt	gggatgagag	480
gaacattatt	atctttgaag	catctcgcgg	cgtttagact	gtacaagtgc	gatgctaata	540
ccggaaaaca	cgaccacatc	aatctagatg	ctaattggaat	tgctgatttg	natcttctgg	600
tgagtn						606

<210> 2286

<211> 609

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(609)

<223> n = A,T,C or G

<400> 2286

ttcagttagg	cctttatagc	ctcaatcaat	taacaacgag	tattatatat	caagttcata	60
ttataatact	cttttctctc	tcttttcatt	accaccacac	aatagacacc	atgcatgtac	120
tacacggatt	cggcacaaga	cgaaagtcgt	ctcgtcctcg	tgaccttcac	atcagaaagg	180
tctccttctc	aggatcttct	ctctcatccg	gctgctctct	atcatcatcc	tcacatcaa	240
ccatctccgc	cctctcaaca	ccagctgcta	ggacacctac	cgctcaaga	cccgaaatgg	300
accctctcgc	ctcacacccc	gccttccacg	caccaccaag	attatacgaa	cgacctttca	360
agcgcattga	cgatcacgag	cctgtattct	acggtagcca	ggaggcagtc	atcgatgagg	420
aggattttgt	cgagcaagat	gtcgtgctc	agcagcctac	agagatggct	ctggcttctc	480
atgtgagccc	tatggatgct	gccgacgagc	aaggcaacga	accccaagga	ttacttcttt	540
accacantat	cagcacgacc	accaatggcc	aaatttcgtn	ggctccgaatc	cccatccaag	600
cattcagac						609

<210> 2287

<211> 647

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 2287

cagccctgaa	ccgtaacttc	agcaacattc	tccgcaccaa	gatccgcaaa	atgaagttgc	60
ctgatggctc	caagacggcc	ggccgagtct	acgccaagtg	tatcatggac	tttganaacc	120
gaatcaaggc	tgacttccna	aacaacggnn	aaaagtgggc	tggtgatgtc	ggatatcgagg	180
ccgagttccc	tgaggccggc	attgaggagg	gttacatgac	cttcaccaac	gaggagatcc	240
ttcagtgttt	cgagcctggt	gncaaccgta	ttctggagct	tgctcanaaac	cagattatcg	300
ntattnaggc	tcagaaccgt	actcttcana	acattttggt	tgctgggtggt	ttcgggtgcct	360
ntgaatacct	cttccagcaa	atcaagctcc	acgttcctcc	ccagttccag	tccaagggtg	420
ttcgacctat	ggactccggt	gccgcattga	gaagggagct	gtcactgntg	gtatcacaga	480
gcgaatcgca	cccaccgggg	ttgccgggcn	acactacctg	atggctactc	ttcagccttt	540
gaanggaggg	ctaccacccc	gaggcctacc	gngtcccttt	tttgaangaa	aggatcgctg	600
gaaagttcnc	ccccanatt	ttcgccaaaa	nggccaaaag	gncaana		647

<210> 2288
 <211> 270
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 2288
 cgagaaggcc acccccatga ttacgggtca cgaagaatta taatatcatg cacgcgccga 60
 gttatttctt gcttcttttt tcacggcaat attttttttaa cgatataccta acgtacatac 120
 ccaccttttag cacaagtccc ttttggcatg ggaccagccc gttgagcgag gtgctgggct 180
 ttatactctt gtttaatact acgagcaacg cgcgatacag cccgcgttgc caatttcagt 240
 gttgtcaana aaaaaaaaaa anaaaaaaat 270

<210> 2289
 <211> 271
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 2289
 cctgaagcta tttagacgag aanttttttt gnnagaaacc ccgggtcacg gcgntaaagg 60
 aaataccagg gcgggaagtc acctggaacc tgtaagaggg aattcagggg ccatggggggc 120
 acacgtatgt gatacagcnt gatacgagga caacgaagga tcgggtncct ggcaaagggt 180
 ttgtactgca cgctgggtcg ctgaacaggg atataancca gagccaacag gagcgcantt 240
 ttttaaagat naaacagagt ctttttccgt c 271

<210> 2290
 <211> 190
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(190)
 <223> n = A,T,C or G

<400> 2290
 nctctggcct ncctngccgc ggccnncag ccaccagcgc nccgcggccc cnacggagcc 60
 cgcggnaaaca ggangccgcc acccccaggg ggacaangga gagcangcag cnagggggggc 120
 caaggacgac agcnccngca ccgggaacnn caaggcaaca cccacaaggg cccngccccc 180
 gcccgaagg 190

<210> 2291
 <211> 639
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 2291
ggcgctagaa gagccaccgg agccactgca ggtaacatca caacaggtct tcccatcgaa 60
gataaggaca agggacccaa caagggcgat atcctgaacg gcgctgtcag ctggacccgg 120
gatctcatgt ggatgctcca tcttaagctt caacagcaag aagagatgat gaacactatt 180
gctgaccttg gcggccactt cccctttgag atgacagagg atgagcgacg catgcagacg 240
gagctcatgg acgctttcaa caagagttag aatggcactt tctcatactc tcgcacagct 300
gggactggcc tgcgagtgcc tcaccatact gattatcgcg gcgagtccct gtcgggtggg 360
ggtggcagcc tcgaccctgt tggcatcaac ccanacgaca acctcgactg acgatacaaa 420
tcaatthttgc atgaccccgga tgacaacaac agtggccatg ctttcgtcaa tttcaangng 480
ggaagacgag tacnacatgg atctcacgca ctaaagtgtg gncctgttaa cccatcttnt 540
ggcttngaga gcatatthttc ttaacgcata ttntggaccc ccccgctcaa tgggacgggg 600
cttacttggtt ggggttcgca atattacttg gnattggta 639

<210> 2292

<211> 372

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(372)

<223> n = A,T,C or G

<400> 2292
tataggatag tgtgaggcca cgcaattgga gtgaggaaag acaggagcgc agaattggtt 60
atcgaagcag ggggtctcaa aacaaggccn gcaaaaagga agtgcgcgaa gccttcagtc 120
tacgaatggc ttttgccaac gcttgaagtt tttggacttg acacatcaac agctcnagta 180
catgctaccc gtgtggcncc gggctcacac tagactcttg gcgaacttng ctggacattg 240
acagcagagg acgatctttt anttttttac tttgttaatg ggcgttacgg atatgggaaa 300
gcggtcncaa cagcatttga tcattcaggg cacaattcgt taccacaaaa naaacagggg 360
atttgaaagt an 372

<210> 2293

<211> 569

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(569)

<223> n = A,T,C or G

<400> 2293
atcctctata ccattttatt aaaccgttta tttttgatcc tacaagaaaa acaatcatgg 60
ctgccgttca actccaaacc nccccacc aggtcggcgt cttcaagaaa cctcatagcc 120
gccccaaactg agacgctcgt tctcaaagaa aaatcatgtc ccttacgggc gatagcttcg 180
acattaagct cgccaacggc caaccatttc tcaagggtcga aggtaaagtc atgagcgtht 240
ccggccgcaa aaaggtcttt gacatgcagg gcaaccacct cttttccatc gtcaaggagc 300
tcatgcacat ccacgctacc tatgccgtgg aggacctcag ggtgtcaaga tcatggaagt 360
caagaatagc ttcaagctca tgggctccaa ggccactgct accttcacct ccagcgacgg 420
caccgcagaa gttctggaga tgaanggcaa ttggttcgat tacgcagctg atatctttga 480
caagtctaca aatactgtag tcgcgcgcat cgaccgcaag atctcagcgg tcgtgacatg 540
atctttggtc agcagaacta cgctctaact 569

<210> 2294

<211> 628

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 2294
 catacatcaa tttcgtctcg atctcttaat cgaaccttcc tttctatcac gaactctctc 60
 actctacctc ctagtaccta cctacctagc ttgcccacgc tcgcctgtcg cgtatatcac 120
 atcctcctct tactcctggc ttcttccgct ggncatttaa accgcgtttt actactctct 180
 tttcatccca ttttgtccat cttgcogtct ctcaaagtca acggaactca tcaccaacgc 240
 gtgcaccaa gacgctatag atggtttgaa acctgacatt gctgactact aacctcccaa 300
 aatcacttcc agtttcttcc ttttcaaaaa ggacgttttt cacaatgtcg tacttcagct 360
 ctcaatactc ttcctctcct gtccttacca tgtctcccca acatgcccac caagtccatg 420
 ggcatggcaa gctttggnc cccacacacca tcgcgantcg cactatggca aaccaagttt 480
 gcagccgctc aacctgtacg aaccgctgca gctgggnanaa agcgttctcn ggacgaagnt 540
 tctgacaacc ttgagcctga atcaagtcct ggccgttgag gantcgaaga agaattggtt 600
 aagggcctgg natgancctc gtcaaaaa 628

<210> 2295
 <211> 421
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(421)
 <223> n = A,T,C or G

<400> 2295
 ggtgattccc ggccttcttg gggctttgct ctccctggtc tgcccaatcg acccatgccc 60
 aaagacgagc agtcagatga cgagcgggag gaccctcagc ttatgagaca gcagcagaac 120
 ggggacggtc tccttcaccc cctcgcattg ctgtacctgt cagccgtgga cccgagcctg 180
 acgttggcac ccctcctgag cagcgtgctc ctccctccact cccccctagc caaatcgatg 240
 tgcccaagga gtcagaactt gctgatgaca aggagtttc cacgaccgcc cgcttcgctt 300
 gtggtgcggc tgcggtgtgt gctgtaagaa ctgctgccgg cgttggantc gctgccgccg 360
 ctggtgcttt cgatcgtgag cctagcccc gaaaaanccc cccccccca aaagggggcc 420
 c 421

<210> 2296
 <211> 611
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 2296
 ctggctaccg tccaagctgt ctctgctcac ttcgggcttg tcttccccac atggcgaagc 60
 tgataccctt tccgaagaag aatgaggacc gntacaacca gtggacttat ccttggtgct 120
 ggcgtttgac tacaataaga aanacctgga ccgactgggc cnttcgaggg gtggttctct 180
 tacactcgac cttcaccacg aatgggtcct acgtctttgt caacctcggc ctcggcgaag 240
 aacaccacca acttcaacat ctcccttaca cccgagttcc tnaacgccac caacgctggt 300
 actnttttca ttgaaaactt gccctttcct naagcgtcaa ggtcttcgga cngagacttt 360
 gccagtatnc aaggttgtga ctgtcngtga aaagcggcag tgcgctctac aactgngccg 420
 atatccgntt caaggagaat gcaaagggac ccagcaacaa gactggcgat gtcgactatg 480
 tcatgatcaa cagcaggatg gtaatggaac tgaggatagn ggnttcaact tctcgtcctn 540
 aggggaggan ggtggnatca gtggcaaccg gatcacggaa tggttggtgt naaaacaaag 600
 ggtttgacct t 611

<210> 2297
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 2297
 agtcaataag tgcgtacttt tcctcaattc aaagacgagg ggcgagcttt catgttatcg 60
 actatcgata tatatgttcc tgcaccatag tttattcgac gtcgatccgt cgcatacctc 120
 attcatagtc gccgctcctt cactccgaca tttcggacta cttcattcac ccttagttca 180
 cctcggcgtg gcatgccact agcttgatca tcatggcttc tatgccttct acgactcgtc 240
 ctgaagacga taaatctacc accaccatac cttcagcagg cgatggacaa actgtaaacg 300
 tacaggctct gtcaccgtct gttggcgtga cccgacccct gctgtttccc aatcttgcca 360
 ccagcactac ggtcaaacag ctcaaggaca agattcgaca gacccttccc ttgcgcccag 420
 ccgatgagaa tcagcgcttg attcatcgcg gacgcgccat tgttcgagag tccgacacct 480
 tgcttgatat attcggcgca gatgtggtcc gcaaccccgga gcaacagact attcatcttg 540
 gtattcgcgga tgtgcaagac aaccaatcct cagccgcgac cgcactctnct gcgcttnctg 600
 ctcccgtctc agcaccagcg tcagggtc 627

<210> 2298
 <211> 270
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 2298
 tgaagctgga gccttaatcg tcaactcgca cgaaggtnct aaaacaagat taggagaaga 60
 gcaactttgg ttacaggagc atgctacaaa ggcaactcgg gacgactttg ctggaactga 120
 aagaagagtc ggtctcaaag tcagagtcgc catgtggatt gtttcgctag tgggcggagc 180
 gttgtaaaaa tatgtaaatc agtgtaatca tctagagtga ctccccgagt ccaatgatac 240
 ccaagagtta atcaacatcc attcggcatg 270

<210> 2299
 <211> 1143
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1143)
 <223> n = A,T,C or G

<400> 2299
 gctgtttgtg ccacgtcgca aaccactctg gcgccactgc tacgcatatc tccccatata 60
 tcaccgttac caaaactata attatcagcg acaaaagtcg tttattagtt gcccatcatg 120
 tccgcagaca ctgctcccc caacggtaac aacaacggcg aaaatgtata cacgcaacag 180
 acgaggatca atcaccacag ccgctctgac caatctcttc cagaggggaa attcgatttc 240
 caatggcaac ggttttcctg gtcagtcttc tggccccgtc gatactggcc gtcgacgcct 300
 ttctgtgacc actcttggtc tctctgttac ttcaaccaca aacacatctt ctttcgttcg 360
 tcgaggaagc atgtcgacca actcgaacaa ctctgactcc attgatgaga gcgctatcga 420
 agatgacnac atgtactcca agantgcgcc tactacacca tttgtccggc ggatnancct 480

cggtcctgcc	aacatgcgta	acatacgtcc	taatggcagc	cctggaaatg	aacagcaagg	540
tttcaactgg	tccgaacagc	ttaagtctcg	tgccgagagt	tctgtcatag	gtgctcctcg	600
cgcttccttc	tgcgtcgcc	cctcctctcc	gccacgaggc	tccatccacg	atcgggcaaa	660
gtccgtttcg	gagatgcctc	agcctccagc	tcaagcttct	tccgtcaagc	agcagcccag	720
gcagcctgag	cggcccaagc	ctgatgcttt	ccaggagaga	attctgaagg	gtgactttta	780
catggactga	gtgaagcagc	gcctcaaacg	cccatacacc	caaatatgat	gacgatgatg	840
atgatgacac	caacaatgac	gaccgccta	ctttaccaca	actgtacgac	gatcttgata	900
agctgtctga	tcccttgcat	ctgtcgaaatg	cactacgcaa	tgtgggtcct	aatatgggta	960
acatatccag	ccaattttccc	ttgaaggaga	tctctcgcta	aacacatggc	tggaatttta	1020
tactttttat	gggtttgcaa	gcaaggcttt	ttttgagctg	ggttatttta	ggcaaaggcg	1080
aaaccgacca	aaaacatgca	gccatattga	attcgccatg	ggacccatag	ggggtgacaa	1140
ggt						1143

<210> 2300

<211> 583

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 2300						
ctttctagt	atacaagaag	atttgactta	atcgcccatc	atgacttcag	cacgtccact	60
tctctacgtc	gccctcggcc	tactcatggg	cgtgtctatc	atcgaaactc	tccttcatct	120
ctagcatggg	cggttggcta	caccgtaccg	cgagcggaac	tttctcttct	gaatggcagg	180
gcacagagca	ccagctaaaa	ggcgaaccgg	caaacttgat	tgtcgaccaa	ggccatacaa	240
gcaacggagc	cgcaggaaca	gcattcatcc	ctatcggtcg	cggagggtatt	cttgctctct	300
ggctccgaaa	cagacacaac	cctggaaaat	tcagtgggtt	cttttacaac	ttttggctcg	360
tttggaatgt	cctcagtcta	cttctcgttc	tttcagctct	tatctacacc	tttgctgcta	420
caaccgaaca	caacggacag	agcatcatcc	ccagcggtgc	agccaagctt	aacgatgggc	480
aaaaataccc	tcttgagtcg	tggacgccgc	aaaattgggt	ctcggctctt	ctcgaccttg	540
aactcaccaa	ctcgaacgan	aggaacgaca	ttgaacatca	cct		583

<210> 2301

<211> 505

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(505)

<223> n = A,T,C or G

<400> 2301						
gaattttttt	ttttttttta	cgaatacaaa	cacgttcggt	tattgcttgc	ttcattcttg	60
agctgtcatt	gcagcttttag	tagtacaatt	ttcaccttgg	tccattacc	gtcccttgcc	120
attatgtcct	ccatttgaat	gtaaatcaat	caagcaccc	cacgtttctg	gaatccaggc	180
ccagtattga	cctgcccatt	cttgctccatg	tgcattctcat	gctttcgctc	ctcaggactc	240
cagctctgtc	gacgctgaaa	tgaagggtgc	cagctattcg	tgtggcgcat	gcaacggctc	300
gcaccagctt	gagcggtgg	ggaagttgga	acttcggatg	ggggagaagt	ttgggttggtg	360
gtggatatgg	ctgttggttg	acgatccatg	gtgaagttta	gttttgaaca	gatatttttt	420
gatgatgata	gtgtttgggtg	gtgatgaagt	ctcttttatag	gttggtttatt	gtagttggta	480
tgaagagtgt	tgccctggaan	aattc				505

<210> 2302

<211> 596

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 2302
 cctttgataa tcttttaccaa actctgctca atcatcaggc cgagccaaat agtctctcta 60
 ttttcacatc cttgttacgg ataaactaga attgagcttg aacagatagg ctccttcagt 120
 tctcgatgtt taattacaga ggccgtggcg gtccatcgcg gtcaacgcct gccaatgtcc 180
 agtgtcagaa atgtctaaaa cgaggctact actcttatga atgtaaagca acggcacagg 240
 agcgtccgta tgtgtcgcgc ccatcacgat ctcagcagtt gcgaaatccc aagctcgtgc 300
 ccaagcttac aaacgagacc ctgaaccctc tggaaaagaa agaaggtgtt gctgatgcag 360
 aactggctaa ggtagatgct gaacgcgcac gcaagcgcg aagcggaggag aganatgatg 420
 agctgatcaa gtcaactgca aagcggcata aatctgtttc ttcccattct gtgtctacta 480
 tttctactaa tgcttcnaag tctccgtcnc ctgggttaaaa atanaattgg atcacctcgt 540
 gcacgaagaa aaaattctca ttctgacact cacgaaggcg aagtgacttc gaancc 596

<210> 2303
 <211> 575
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 2303
 catgaacgac ccttacatct tcagcaacag tggagatctt accacaaagg atattctgaa 60
 gcgttttcag gataggcggg gacagatttc aattgctgat gtgaacgagg tttaacaaccg 120
 tcaggacaat tccaccgac ctccagctcg gcgagtagaa actgaccccg cagtatggca 180
 ggggtgaacc accgttcgca ccatacaaga tccttcgatg cctataccca ataattgggca 240
 tgcaactccg ccggctcggt tcagangacg gaacgatctg aatccctcgc cttatgggtcc 300
 aaccagttca atcagtcaga cagtcaactc gatagcgccg ancatanacg gaggcgcgaa 360
 tggccaatct ggcataggaa gacntcaagc ancnggcttg gtgtttccgg caactcatga 420
 tactttctcc attgatgttc ttgattatag cagggctaga caacgcccgg tatcagaact 480
 cgttncgttc ttacnttcan tcagggcgcc tgattgggtt tngaaaaata ttgcatantc 540
 aangggcccc ctctttgggt cttcttaacc cagct 575

<210> 2304
 <211> 502
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(502)
 <223> n = A,T,C or G

<400> 2304
 tccaataaca ccaccaaatt acgtcgatcg cccctcaaac tccaaactac caacctctct 60
 cgagtatcac gttaccaaca aaggcattcg gccttaccca gcctcagcag actgcacccc 120
 atgtgtagcc aataagaccg acaaggcgtt tgaagcgctt gctaatagcac ttcaaccaa 180
 caaataccaa taatagagcc cgtcacaatt tcttcgacca agcaaggaca gtcctttacc 240
 tataatcgat cgccaacacc cgattcgtcc taagattata tcacaagcat cttgaaaaac 300
 gcagttttgg cagaaagcca agaggatttc gacagggttc accgnaagct tttatntagt 360
 ccatgagtcc aatgatggtc gttggacttc ccttgataga agaattgggc cgtcagacgg 420
 agaatgnacc atgggctgca attggatacg aattggatga tttntnaatg gganggtaac 480
 atgttgcgca tatggtattg ga 502

<210> 2305
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 2305
 tgggatatga ctggcatgca acagcatttc cctcaacaag acactgtcat gggtaatgtc 60
 tacatggcca accagcaaca acccgctcgt actcgccctg ctactcctat tcctacaaaa 120
 cgacctgggt cctggggcaa gcgactgagc cttgagaacc tgcgccccaa gaagaagact 180
 agcgtctatg gtagccctgc ttccgagcac gaagctgtcc cgccgtgtacc agccatgtac 240
 gctgagatga tgcccacgtc tgtaccagcg ggctacgaac tgccaatgcg aatgggtcac 300
 cctcaacaag gctacacatc gaaccctggc ttcatgcctc aagcacagca acagcagttc 360
 ggttcaccac aagctttctac ttggatgaca gcgacatgag actataaggc gttttaatct 420
 cggaacggaa aacatttttt gagcatcatg atttcatttt ctttgcatat taccacatat 480
 ctgtactaat aatcattccg cacacggtcc aaagtgggaag acgaagaact ttacgacagg 540
 atacctatcc tctaccatat gacaactttc gccttntcnc cttgtttgtt 590

<210> 2306
 <211> 564
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 2306
 tgactttatc ttgcatacca caaccaacgt cgatcacgcg aactcgcgc atcatttcag 60
 acaggtctta catacgaat agcttgacat ttccctaccg atcagggttc ctagactggc 120
 taccagtctc acaggtagt aattgtgccc aacctcaaaa caccacaacc accatcatga 180
 gtcgacaaac accacgaag cagcgacaca cccgtcagcc ttogaaccgc ataccggccg 240
 tttcagacta cgaatcagat gccgcagtta tacataccga ctacgcgcga ccgcctccac 300
 gcacaaacac cgaactcaac ctctctgtgc tccagcgcta tctccctct atccacacca 360
 tcctcagcat agcagccaac gctgttatct acacattcaa tagcacctct gaaaattggg 420
 aaaatctggc gtggaaggca ccatgtttgt ctgcgcgcaa agtccgtctt ccgaagatcc 480
 tgcccaacaa ccacaacctg cgtgtttgtc cttaacagaa aaaggnttga naatgtgaat 540
 gtagattctc cgggtgttcc atgc 564

<210> 2307
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 2307
 aaaggcttga gggaacacgc tcgcccacga cgacgtcgtt gctgtatcgt accaaagatt 60
 tctctggctg ccatgcagcc gttcgccctg ccagcggaac ggcttgtctg gagccatgcg 120
 cgaataggac tcgaccggac cagcangccg agcaagtcat gctgggaacc ctcaatattc 180
 cagaattcaa caatacgaat gcgatacaac ccnngagcca ttggccttca atcacgactc 240

tattcatcag	agagaccccc	gaaagattcn	gagaccaact	ctaggacaaa	taaagacgtc	300
gaagctgagc	ttgaatctat	ccttaaacct	cggccaaata	ttctnaagga	gcttcagccg	360
cctgtcgaaa	gaacgaaact	ggaagatgtc	nagtctactt	ccgcagatgc	tatccccna	420
gactcaaaac	tgcagacgcc	cnaaactgaa	gaaggcaagc	ccgaaccncc	aaactcgacg	480
atgctgctca	atcacncgaa	ccccctcgac	tactgatngc	ctcccaattc	tccgtgaccg	540
cgcgccacat	cctgtntnecg	aattttaagga	gaaattttagc	cctgctat		588

<210> 2308
 <211> 656
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(656)
 <223> n = A,T,C or G

<400> 2308	
ctcttttcat	ctcttttctg
ttctttcgta	atttcaactt
aaactcttat	gcaactcaca
tgcgtgcgct	tttatatctc
cttgagctca	tatgttgctc
gttttcttac	ctcttgacct
cgctcctctg	tttgcccgcg
tgctgctctt	tacttcgccg
tgtganggga	accgtctgct
acggngtggg	taacgacaac
tcaaaaggca	ttgccaccgn
	aaagggnccg
	ctaatgactt
	natgccctna
	aaacgc
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	656

<210> 2309
 <211> 606
 <212> DNA
 <213> Fusarium venenatum

<400> 2309	
cttgtttctt	tttttatttt
tcattggtgat	gggacatagg
tacctcgcta	tcttactggg
ttttgtttcg	actcagacat
ccaaccccc	cttgctgctc
agacctggcc	tggtcaggtc
cctggtagac	agggcccagg
aaccgtgagt	tgagccttgt
gtcacctgtc	acgtcacatc
acgtagtccg	ggtgggctgg
gactaa	
	attgccggcc
	ggcccttaag
	tagtgatgca
	tagaaaagag
	taatgaagct
	taatgaccat
	taggtgcgcc
	aggcaggcca
	aacgaaacga
	cgacaataac
	gctctcatcc
	ttgattaccc
	atggtcacta
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	606

<210> 2310
 <211> 570
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

<400> 2310	
ctgctctact	ggaactcggg
	catgttggag
	aagcaagaga
	aggatcagaa
	ggacaaaggc
	60

gagactagcc	catccgtaac	cgactcgcaa	cgacgaggct	cttctttcga	tgatttcctt	120
cgtcaagacg	atggcgctga	gcaaggggac	atatgttttc	aacactggag	ctgatacccg	180
aggaatggat	gagggcctac	gacgtcgtgg	cgatgggtccc	cgtgggtttca	ctcctctgta	240
catcaaccct	tttgccgacg	aacaccacat	cgaccatgac	gagatcaacg	aggagcctga	300
ggaaacccga	caaaccgccc	ctgctgccga	cgaagtctct	gatatctaca	gcgccccact	360
caggacaaaag	acganaagcc	tactgccgcc	gttcttattg	atgccgaccc	actcccgccc	420
gctccgagac	agcctccact	gctaccctcg	agcganagat	cggcgttgat	gaattcatga	480
ccgccggnca	ggaaaaccgc	gacaaggcta	ccntcttttc	ngggctgggc	gccaaacacn	540
agcaccgact	tttactcncc	acttcgcgtc				570

<210> 2311

<211> 622

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(622)

<223> n = A,T,C or G

<400> 2311

aatcggactc	cgattctcat	cctctcttct	tctcctcaaa	tattgtccct	gcttctcctt	60
tgcgacacga	tagcttgaga	cattaccaat	cccatctccg	acggctgcgc	cacgcacgcg	120
tacctacagc	acagtacatt	ggtctactct	acagtgtctt	ctctctgtac	aacctattct	180
gtctagactc	ctcgctcgc	ctagattcga	tttgtcctga	ccactcacgc	acctactggt	240
aaccagaact	gtactcaacc	accggcctcc	tccgtcgttg	cgttctcgt	actctctacc	300
ttggatcctg	ttttccctcg	cgccattgtc	actctcttgt	tcctgtcaac	caacacaatc	360
gaccatcacg	aatacttttg	ccccatttgc	gcttcattga	cgcgattcga	attactttat	420
caaactctgt	cgcttgacca	ccaccgacac	ctcattaatt	acttcagcgc	aatcgattcg	480
acacgcagaa	agagcgacca	caggccgagg	gaaattgnca	cgggtagtga	aactggagga	540
atagaacgcc	ctatcgctcg	aaagangccc	cttggccatg	gccgacaacg	agaaganggc	600
ctnctcttnc	gangctcaag	aa				622

<210> 2312

<211> 602

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(602)

<223> n = A,T,C or G

<400> 2312

gttgagaagt	tctctcgctt	cccccttgcg	gacaaccagt	ttgatctcat	ttctgctcga	60
gaacttcaca	gcatectcaa	gctctttggc	gagaacggtg	aagatgagtg	ggacacttgc	120
ctcaaggagt	gcatgcgtgt	cctcaagcct	ggcggctacc	togacttttc	ccttcttgac	180
tcagacatca	tcaacgctgg	tcccgtcgga	ctagccaaga	gcgtcgagtt	cggttttgct	240
ctcaagactc	tgggatatga	tcccaacccc	accaagctct	ggcttgcccc	tttagccccg	300
gccggcttcc	aagatactcg	tgcgactctg	atgtgtcttc	caatgggcgc	caggcgaagc	360
atgtcaaagc	ccccactctt	tccatgaagg	atagccccga	tgacaggacg	tcaagactgn	420
catgtggacg	ccatgtgatg	gaanaatgat	gacattgcag	cgttngagat	ggtggcggtg	480
aactggaanc	atgntctccg	tgtgaatgaa	aggtgtggga	nttgnattgc	gtccacatat	540
ggactgcatg	aanagttgca	gnttaanggg	ccccgttntt	caggaagcca	actgaagncg	600
nt						602

<210> 2313

<211> 563

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(563)
 <223> n = A,T,C or G

<400> 2313
 gattggcgcg tgcctagacc gaagccatac tcaagcaaaa aggcgaaggc ccctggaggg 60
 gaacgccgac catcatgata cccaatgcat ccataccacg actaccgata ccaagaacaa 120
 cgtacatact taccctagcg ctgagtctat tactctgtgc ttttggaat gccgatgcat 180
 cagagctgnt gcacgactct atattcgaca ccgaagcact tgctcgagcga agcgatgcat 240
 ccattctcat atacgaacct gacttcggcg tattcgatcg nagnatactc ggctcngcaa 300
 caagcagaac agtcgctttt gacaacaacg gcccggatag ncgaaaattg agtcccggcg 360
 caactgnttg ntacgcgggg ataagaagac attggctggc aaggataaga agggcgacga 420
 tcccatgaac cgaggagcac cgaggacgat ctgggcatca aaaacctggc gagctgggct 480
 aaaacgggta catatctgna aaaccngntc gagggccagc ctggaatcaa gggtanggca 540
 caatctggaa caggacncaa cta 563

<210> 2314
 <211> 608
 <212> DNA
 <213> Fusarium venenatum

<400> 2314
 cgcattgactc gactctaaca cagctcgtgt ctagtaacac atttgtatcc ttattggcgc 60
 gaaacgaact cgaacatcag tcgcattgca tcgcacgtg tcacgtaccc atacgactta 120
 cgatccatca tggccgaagc tctgagggag ttgctggccc ctgaacagac aaacgaccca 180
 gctgctctgg agtatctcac ataccttgcc gagcgacaat ccagcttttt gcaaacaacg 240
 gagccccaag tcctatccca gacgtcgcat tctctactcc tcgctataca agctctttcg 300
 aaaagatctc ataaacccat cgtcgattca gcagccagtc atgcttcctt aaggaaactct 360
 ctcccagacg tagcccagcg agcttcggat ctctgccaag cagtacctcg tctagatgct 420
 caggctgaac acttctcgtc agcctttggt aaggctagcg acagcaagct gcttgcccga 480
 aggaaacaga ctctgctatt gcttcgaaac tccgaacgac tagtcgatgt catgggagat 540
 gcccctgctt ctctcgtctg ctgggtttcaa ccggcccccag tcaatcattc caccacgctc 600
 gaactcta 608

<210> 2315
 <211> 812
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(812)
 <223> n = A,T,C or G

<400> 2315
 ccccgcttgg tcaacctgca ggctgggtccc cgaagaatta caaattcctc agtcaacgtc 60
 acacgatacg ccaatgggac aacgctacat gtcgataatg tcccgaaccgn ccgagtatct 120
 ggaattgata gatgcttttg gtttcatggc ttgtcaagca cttcatgata tcgtcaaggg 180
 aatttaggct atgttggctt ttgggttaagc tctactctgg tcccgtcaac gcataacata 240
 cctatccagg cattgtaaac aaatactgtc tcgtacagtc gtactcgaat atgcagctcc 300
 agtttanaaa gacaacacac ccctaagttg aagatcttgt ccaacgcat ccaatcacgg 360
 cccaccaaac aaaggctttc cctgttcac ataccgncac ccttaacatt tgctaacagg 420
 agttcgggac ttgcctttac cccgctacga cccctcatag agctttcgag agctccttat 480
 aagctttaaa aagcccgtcc tctcccagac ttgaaagngg tgtagtcca nacattcatc 540
 gccgactttg aacaatacac cagcctacca ctntatattc caaatctttc acaatgcctt 600
 ttttccggac atgcttttga aaagccgtca cctacaaggt cgacgaagag cctctcgttg 660
 gtggcttaca accactgtgg acaactgcca gcgtcagaag cggttcacc tactctctcg 720
 ttgctgntgc aagaaggaca agctcaccat caacggcccc gtnaagacct actccggcac 780

caagggtnt tntggcaaca tcgccaccgt ct

812

<210> 2316
<211> 619
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 2316
attaacttct tttcaatata acgcgccata tcacatcttt ttcatacgag catcacatca 60
cgacgatgtt agagactgat atagtcgtca cttganaaca cactgctatc atgatgccat 120
gagcgaatca nacaagcccc aaatttacct tcgatattgt tttcaccttg caccactgt 180
gaatcaatgg tgccctttcc gtgtgaccga tgtccacggg cttcagcagc acgcaggctt 240
cgaaggcgaa aacttttact tttatgggaa tctaccaatt aaatgggtac gcgtagtcgg 300
cttagtcgtc gccattgacg agttcacggg taggcgcgtc tatactatan acgacagcag 360
cggcgcgatg atcgagtgcg ttgtgaanat gcctatatct tcgggagtggt atggcaacgc 420
ggctgcagca acanagtctg ctntgaanaa agcanacgca aatccgccac taccaccga 480
tcccttcccg accatttgat gtcgggggtg gttggccaca tcaanggggg tctttccagc 540
tttanaaaat gagccgaacg ctccntttca aaaanatgct tgctgtacgg aacactcaac 600
aagaagggtgc cctntggga 619

<210> 2317
<211> 626
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

<400> 2317
ggaaattgta gactatcgtc ttggagataa gctctatttg tctaaaaaaa gaaaatgttc 60
ttacgtcaaa tctctggata atggatcttc ctacgtcaa tgcaaaggca gcaccgatcc 120
gatttccgga ttgttgtctc gctatatcaa caaaattact tcagctctta tcagatattt 180
tttccaaaac tacagtctca naagaccatc caaccgtcct ctccatcgga agcggctctg 240
gcttgctcga agcttttctg ctcaatcaac aagatagcgc ccactacaac tatccttctt 300
tcaacgtggg ggggggttgaa gttcagcaac agaattggaa agacgctgtc aacaaatata 360
ttccanaaca agccatttat acggttcgtg gtacgtggga cgttgtctcg aggttacaag 420
atccagacgt tacatctctc ttgtttgttt atccacgtca accagcccta attctttgaa 480
tacacgaaag ccacgcgcg aagagggctg aaccgtgcna ggttatcgtt tgggtggggc 540
caatggcttg actgggagt gttccaagtc ttcttttgat gcnagggcat gaaaatgggc 600
caatttgcac tcccttgaaa aaaagc 626

<210> 2318
<211> 506
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G

<400> 2318
caatcttctc cggaagattc aaagacgttg gagaatatta cagaaacatc caagccgcgc 60

gatagtacag	gggaaagata	gagaacttga	ccacatagac	gcgtttgtcg	atcaatcgtc	120
gcgcggctat	tatttacata	tctcataagg	acagcccgc	aactaagtga	gtataattgc	180
tttttgccgc	tcagggggag	ttattttatt	gggcagctgg	attgagagcg	gttcatccga	240
acaaatcgca	tttgtcacgc	gctatcaatg	cgattggctc	caagtatctg	tatatttctg	300
aaacacatct	ctatggttct	tgcatacaca	ttatacatat	ggtaccgggc	aacattggac	360
acgggtaagg	atatgaagaa	aacctggggc	ttggaggaaa	acggatttct	taaaatgtta	420
tttcttgtca	aaggattggg	antggttggg	ggaatacatt	aacantgaca	gaccgggcca	480
gccacgggtg	ctacttgcag	gcanat				506

<210> 2319

<211> 497

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(497)

<223> n = A,T,C or G

<400> 2319

tttttttttt	ttctatcaca	atggcattgc	atattttacc	ctttctcata	tttgttatcc	60
cctacagtat	cttagcgctc	gtgtccgtgg	cattgactgc	atcaggacac	gaatgtcggt	120
ccgccgatct	tggctcatga	tttattatac	aaaagacgct	cccaacgccc	cttggtccca	180
gtatgtagtc	taaaattcag	taactcccag	tgcagtcggt	attcgccgct	tcagcaaacc	240
gatagcactc	agtgttgctc	gagaagagct	tggcgtgcct	ntgaaggagg	agctttacc	300
tgaggagaag	taaatggtgc	catagtctca	atattttgag	ccttggtgat	actggatgtt	360
ggccgagacg	gaagggaatc	agaccaagag	gtagaccccg	gaagtttgat	tgccggcagcc	420
ccaaatcgat	tgggtttagt	cccacgcgaa	aaaacaattt	ctgccttatg	ttgattccca	480
aagtcgaaat	gctttgt					497

<210> 2320

<211> 621

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(621)

<223> n = A,T,C or G

<400> 2320

tatcgccggt	cactcgcctt	cacttcccan	aaacaccttc	accggctctg	gtgctgaaca	60
agacgtctac	ggaagtaaat	tnggggggtca	ttccccttca	ctttcacttc	caagaggctc	120
tttcactggg	tccgggtgccg	aacaanatat	ctatggcggn	aaattcgctg	gtcgctcgcc	180
accactttca	cttcctanag	actctttcaa	tggatctggc	gccgaacagg	atatctttgg	240
ctctcacttc	aatcgcacct	cataccaagg	tctcaccacc	agcactttgg	gcctgatgca	300
ctctgtcggt	ctaccttcct	ttactcttca	tgtgtgtctt	tctgccgtag	cctatggaat	360
ttcccgatac	accgatcggt	tgcagggcaa	ggattttctg	tgggcatctg	gtatgacact	420
gaatgcttgg	tggagcgcta	ttggttctcg	cgttgcaatg	atgggtctctc	gatctctgag	480
gcctggctga	tctcatctac	ccgcaaaaac	ttcttnttnt	tggtgctaca	gcttggggggg	540
ccgcttactt	ctcgtgtgta	tccccaantt	gaaacgtgga	gangatgacc	ctcgggtntgc	600
tctgaaaaaa	aggatcctgg	t				621

<210> 2321

<211> 616

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(616)
 <223> n = A,T,C or G

<400> 2321
 gacgaaacca ggcggacagc gcaggtatag gtgcagaccc ccctataccg caaagggtcgt 60
 gatcatcgca ttctgcccgc gattcgcaaa cttttgggta tcgttgacag ccttgcatcg 120
 aagcccgccc acctgttctg ttcatogetc cacatcagcc cacgggtcga tcacaagaga 180
 accaccagtc gctcagcttt atcgaccgac cgccctgtcc tgacctttct tcctgtccag 240
 gaccttggtc aattgctgca ctcgatttcc catttgcttc taggggtgtcc tgttcgggac 300
 caccttaaaa accgtcgaac aaggnggatt ccgcccana aatcgtggca tctcccgggc 360
 cttacaaaac gtcacgttct acctnaacgg ggcgctggct aacctctnat ctgctttcaa 420
 gattcgggcg aatacatatt aaacactctt ggggcccctcc accctngttt atagcancct 480
 cgcttggtnt atcgccgtcc cctaaaatgt cgcgaaacng gtgggtctatt ggccgcnaac 540
 anattcgctt anaagtttta tgccccagng gngtccccnt ttcaccgacn acaatttaag 600
 ctacttacct nccaaa 616

<210> 2322
 <211> 232
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(232)
 <223> n = A,T,C or G

<400> 2322
 nataccaga aaccctacng ttngnccnac aacctgcntn actgggtcaa ggccggcgaac 60
 tgcctttgag gntatgctca cgntgatgtt ttggctgttn agaacaacac atcaccnna 120
 cctgggtaga ctataaaact gctatctcaa gtggcctcgn acgttcgcga tgangaaccc 180
 gcgagttgnc gctataccac aatgcctnca acagatttct tttgtttttt ca 232

<210> 2323
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 2323
 atctaatttg cgtctacatc cctctaattct cacatcatgc ccgctcaata cccgcggcct 60
 cccagcgcg aatcatgggtt tgcgcgcgta tccattgacc tcgtcctcaa ggtcctcaac 120
 acaactcttc tgcacctttt tgtctgctgg attattccac tgtgcttccg cgcgcagacg 180
 gtgaagtggg aggcgccgcc tatgggtggc gccattgcgt gggctaccat aatcacgctt 240
 ttctggatgg ccaatgtgat caaccagcgc atcgctcatg gcatcccacg tgaagtggat 300
 ctgagcgagg aggttatcgt catcactgga ggtgctagcg ggctgggtct gctcattgct 360
 gaggtgtatg gcatgcgaag cgcgacagtg gcggtgttgg actgaatgag atggaaaaac 420
 acggagtcca gaagtgttac gtactacaag tgtgatttgg tgacaaagac aagtcccaaa 480
 ttgcctcaa atcnanaaga tcttgggtacc caccgtactt attaacaacc tgctattgtt 540
 attggcaaan tctctttgat ctctccatgg acaaaatcna canattctcn c 591

<210> 2324
 <211> 459
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

<400> 2324
 cgacaaagct ggtagcttcc ggtggaagca tggatgcatg ggcttttggat gcctagatgc 60
 aaacaatgca aatgactaag anaaattgta ctaaagctca aatgttaatt aaaatttatc 120
 taggattgaa tcgcggacct tgaaaagcca ttcccttcac ctacacaact ctcagcaaat 180
 tgcattgttg acaattacgc gacacgcttc aagctaaggc catgcccac atggganaaa 240
 ctctttccca caacatctcc tcgacaattg ccatgccggg cgttgaatca gaagactcct 300
 agccaaggac cacaggacca tatcgcnngc cacaggnga taacaaccaa actactgctc 360
 ccccgccagc ttcaatcgcc ggttcgcttg ccggtgaacc actcttctca gtccatngaa 420
 aaacngnaaa tgcncngaatt tcccggttga aatngattt 459

<210> 2325
 <211> 112
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(112)
 <223> n = A,T,C or G

<400> 2325
 ntatgggagg attttttattt attttacgtc cnngaggaca ataacncgga ttttgntgnc 60
 ttcttaaaat tnaatcgttn aagcctggna ntggaaaaaa acganggttt ga 112

<210> 2326
 <211> 556
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(556)
 <223> n = A,T,C or G

<400> 2326
 aggtacagtt gatcaactcg aagttgtttc cgccatgctg gccgatacca acctanaana 60
 aaatgcnccta tcaaagaaaa agaanaagan ggggcanccc atggaaacac atgcatctan 120
 anaaatgtca atcacagcgg cttgggcctt tggccagnat atcccagngg ttcgactgga 180
 tttgggcttg cccactgtta ccgaggagga gtacgatggc cctgaggatc atattgctct 240
 gcccccttct gccatggagc ggggtgatgca gtatggcgac gaggcgcata ttgtggtgac 300
 gacgaggaga cgtcgcgag ctcaaggggg cagtcaaggt gaggatggct tntttgagga 360
 tgattgcnnaa gttctcgatt ttgcaaata aagggtgtaa gtgaaatgaa ggagtcttct 420
 ntcaacaggc aatatgtgca ggggttttgn ggngtatgga ttggngaact ttacttnatt 480
 ntatggattt gangctcggg aacaacaatc catttggttat gctnttcaaa tatggaacca 540
 aattncacct tgtcct 556

<210> 2327
 <211> 645
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

<400> 2327
 cttaagatgg aagccacaga aaccgatcga accatgcccc tgaagccaaa acatatgggc 60
 aatgacacgc atccgcccac taagcgacgt gtcctgaccc ctgccagaag agagcagaac 120
 cgactggccc aaaaggcata cagagaacgc caaaaggaag agagaaatat cacaaaagag 180
 gtcattgtct gagcaagaag taataaccgg ccaagaccac ttctgaagcg acgagtcctt 240
 tgctccaaag accaacaact tattcccttc aacgatacct catcatcgga tgaaacagac 300
 tctgatatat catcaagctt tcccgatgtc tatgtcaaca tgcttcagtt cttcccaaca 360
 gccttctttg gatcttgccct cgccaatgca gaatcactgg gcttcgatct caaccttgct 420
 gcagactgna cgcgatataa tttctccccg tttcatcaac ccaacctctt cttcattgnc 480
 gattactcaa cccttggtca aaaanggtca gactttctnt tcacctttgn caattctagn 540
 ggtcctattc atttacgaac tacaatggng caagngctca attccacaat atatnaactt 600
 taaatttaat ccctttcccg ttctggggcg aacaaacctt atttt 645

<210> 2328

<211> 580

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(580)

<223> n = A,T,C or G

<400> 2328
 tggagcgtga tgctggcatg gcaagatacg aaaagaagaa ccccatctt tggatcttta 60
 tgctcttggg tcagattgta gctatttctt ttgctgcgaa tctgtcttct ctggcattcc 120
 ttgttttcga ggatccggat acgtcaatcg ataccgttaa tcaggagaag accgtatcat 180
 catcctcaac caagagccac tcaactgtac gcaaatcatg gtttgcatgc ctagttagtta 240
 caatgggctg cgccgtcgcc atcccaagca aactcgatca tcccaagttc atgtatcttc 300
 tctctgcccc tcacgctctg gcctttgtac cactactcat gaacaaactc attggcagtc 360
 gggagcccg agtgatggat gaacaaccac cgcaaaaggt tcgggctggc gtcagggccc 420
 ttgttgctgg antctgcatt tatcacttac tcagtccagc ancaagctgc tggggaattg 480
 ccacnaaagc tctgtntgan catccacagt aancagtgtt ngggtgggan gtcatttgct 540
 gttggattan tttctttgct tggttttatg ttcaatgggc 580

<210> 2329

<211> 659

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(659)

<223> n = A,T,C or G

<400> 2329
 ttanttacta ggttcttaac aagcacagtt gttattctgc atttcaacgc agagatagtt 60
 tgataccgca attatacata ttacattata acggaatgca aagggtcag gccaacggtg 120
 acctagcacc ttatcggcga attgtgcaaa tattctggga cccagagccc accaacgatg 180
 tcgttcacga ccaaccagtc tgggtgtttg gacgctccta tcggctcaac ggcaagaaga 240
 ataccaaggc cgatgaccac catccacaga cactccacc agtactgaag gctgaagcag 300
 aaatccaaca agctcacgat acaagctcaa ccgccaacc cgccaacaaa tgcaaccgac 360
 acacctccgg actcgatatc gagtagcttc tttcatcac tggcatacga cgacccagtg 420
 gacgacgggg gatggncaac tgggtttata agcgatttcg aatccaagat atggatgacg 480
 taaccgatccg agttcgagcc cattccccga tccaccaacc acaagcaaca tncgnacttt 540
 cattgnncat gagactcaag agtcaacttc gggggaccaa aagtccattt tcttcgggaca 600
 agnggggttg gggatngatg attcgtttta ggacaaagtt gggtcgcaaa tgccataac 659

<210> 2330

<211> 593

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 2330
atcttggcgg ttgtgtcccc gttggaggac aagggtgcaga tggagttcaa ggggtgggtc 60
cgaaagtatc tcgcagaaca tgttgtcgtg agacaggaaa agtctgtgga tctcctacag 120
gctatcctga tataccttgg gtggaacgac ttccacttct acggagagct ccaagttacg 180
aacatcgctc agatggccat cgggctgggt atcgatctaa gactggacaa gttcgtctgg 240
tcatttctgg gcggggccaaa gactatgctc ggagacgcat ggacgacaat gggcagatct 300
tgcttgaaaag ggaaagtcta ccagtcacat gccgataaac gtgctgtatt ggggtgtctac 360
cacatcacaa atttactcaa ctcaaacttc agaaagagca cgctcttgaa ctggagtaca 420
cacctatccc aatgctgtga cagtcttgtc gagggcaacg agttcgagtc ggatgcatat 480
cttgtttcgc tagttcgcat gcaacacatg gccgatcgtg ggtatagtat tataccagct 540
ttcgatttta tggatcccac ccnagaactt tcaacgctgt gacagcgatg gct 593

<210> 2331
<211> 477
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 2331
cgctcccggg cagcacgcct atttgtacct gcccgccgtc agctactggc aatctcatcc 60
cttctctgtc gcctggtagc atggcgtaga ggaccccaag aatgagagat tggccagcac 120
caaccaggat ctgttggcca tgcagcagca gcgaatttca ttcgtcattc gaggcaggac 180
tggcatgact gacagtctct acaagaaggc cgtttcagca cctggaggaa ggtttgagac 240
cagntgnttt gccgaggac cctatggggg caccactctt tgactnatac ggcactgttg 300
ttcttttggg ggnggagtn gatacccacc cgtnntttac ataaagnttt tgtggnggct 360
nctccaaggt cttgtgcenc ccnaaaattt tgtggtttgg anaataaaat tctgaccctt 420
ggggggntcc cccntggang accnaatttt nggntggaaa aaaaaaaaac tttttttt 477

<210> 2332
<211> 595
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 2332
ctttttcaga aacgcccaga gattactgga tgcggaccaa tcgaggttct gattgatgag 60
gggtcactaa tctttgtaaa gactccgtaa acaattcctc atctcgatct cgcccatgat 120
gtaatcgacc tatgacggca tactattcca cttcgcagct caacttgcaa tcattctgtg 180
tccttgattt cttatatcta gtaaaccatc gattctttct ctttctcttc tataatcatc 240
tgagacaatt caaccacaaa cttcacaccc ttccaccacc aaaacaaaca cacaacgatc 300
atcatgcctg agggacgtca atctcctgct cccgagcaac agagcggctc ccagcagcag 360
gatcctcctg cctctggaaa gggtatcaac gagaccgata acaaggaccc caaggctcag 420
cttgagaacc tctcatcaaa ccccaagggt atcaccgacg atgaggtcga gaagaagttc 480
accaagaccg agaaataaat aaataatacc cccgatggta atgacttgat ggaattattg 540

catggataga attaattaat cncgactgaa atatcttgna actgncaaaa aaaaa

595

<210> 2333
<211> 1172
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1172)
<223> n = A,T,C or G

<400> 2333
gcagggcgaa ttcggaaagt ccatcggtgg cctaaagggc ttctgcgtcc tcaacagctc 60
gtttaacgcc tttgatctac tctacagacc ttctgtagat ttacaaaacc tggctttgat 120
acagattgat caagcgttga agaagtgcaa tcgtcttgct ccatcctctc tgatagagac 180
gcttccatta gaggtagatga gcagcatcta tctgcacctt cagccaactg atcacatcgc 240
ccttgggctt tgctctcgaa gactatggat ccaagcgggtg actactattc accactctcg 300
ccgtttatca tcatgggtgg atacaccgat gttcattggg ggtagtggac agttgcttgc 360
tcttcggcag gccagccacg accaggaact tgaacttcaa tcacctcaa agggaaaccg 420
agatgcagtt ctgaggcaa tgattctgca gaacactcaa ctgtttgacg tgctgaagta 480
tgcaagnat tcagaatttg ttacacgact atgctacctg acttcctcgg acttgaatcc 540
tccatacttt cgagaactag tccggtctct accgtcgact gggtatttctg gaaaatcttc 600
acccattgat ggagtcgtgc ttattccccg ggggaatttga cgacaaaagg cagtgggtacc 660
ttcgcgattt caccactaac gaatacatcc gaatggaact tgttcaagat cataccatct 720
ctgagcatga tacgatctcg ctaactagaa acccttggat gaccctagat atcttactga 780
tatggcttat tacatggcaa gcgggatatg acaaaccatc aaaagaagtc cctagagggga 840
acccaagaga ccaaatcaag aagatcttta ccaacgggtg cagcgttacc gcctccgata 900
ttgctcagat ccgtgcata ttcattggaca tgtactttgg tcgatgggca ggccattctt 960
tagatgttgt acagctgggtg cagagcaaga tggaaagcgg ctggactgat ataacgggtg 1020
agattcanga tgtctccaac actggtttgc tgcgatatac cttgaagcat ttctacttaa 1080
aagaaacgaa atatcttgag tactgggggg cgttttgcaa aaagancaga tcaacaagtn 1140
tgatcacaag cctggtggct ggtgatgaat ga 1172

<210> 2334
<211> 288
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 2334
ctggaanaat tcgcgccgc nggtagaaag agaaaagcan gagggacggg catgaacgat 60
aggttgaaat gaggaaaatt tgtctattca aaacgaggca ttcattgcct ttccaggtct 120
tgccagcaag tcttaccagc acaatggcga ggccacgagt gggcaggaaa tcggagcgtg 180
tgtgattatg aattgaccaa ggatcttttg acttgtagat aataatacgg agtgtcagtn 240
tcatagctgg tanttaatga gaaatgaana cttgccccct attaaaaa 288

<210> 2335
<211> 141
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(141)
<223> n = A,T,C or G

<400> 2335
agcttctctt cttgagcgac gcggttgtaa gttngaaagt tttcctctac gacaacacaa 60
gagccactac aagaaaggaa gagtggttcg tctgtacaag tgggtagagt gagcggaagt 120
tcagaataga caagataaat c 141

<210> 2336
<211> 448
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 2336
ccaaacttta aacacgcac agtcttgta tcataccact caacgcctca aagatcgacg 60
ctactacaag atcaacatcg tcaactgtca cttttattgg ataaacccaa ttcgaaccaa 120
caatacctac tagtcattca gcattctagc agctcttcat aaacttgatt taagatctct 180
gcaacgccaa catcagctac caacctactc tcaaacaata tctacttnta tcaccaacca 240
accaaccaac cactttcatc nctttgatac caacaatcaa tcaatcaatg ngggtggtgg 300
agccaccaca acaaccacac aacnagacct cccagaaggg ttcttgacct tcaagcgaga 360
tccgctaaaa ttacgacaac ttctatacag nccctaanaa gagnggcgtc ctgtctgana 420
aaagtcacgc tttttctcgn gccacata 448

<210> 2337
<211> 550
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 2337
gcgtnattgn cccacctcaa cgcaatcgct tnanggccct ccgattctct tcggnntctg 60
cacctctccg gcaggagctt ggccatggcg aaccaagaga ctcactatgg ctctcgacgaa 120
ggcggagatg acgaccagtc cattgtgtcg acgcgcggac tcgaggnttt cagtcgaaag 180
gttacaacta cagctactna tttgatcggt cctaattgccg aagccacggn tcatcactac 240
caagccgccca tggccgaggt tcacaagcaa atgaagcgac cgacgggtcca gcgaagcatg 300
ttcgcgatgg caaggacaac ccccacagat ctcattgcgt ccaggctatc aaccacgaa 360
attcagcatc gcgccttgac gtatctgccc gaccaccttn tcgcaatatt cccgancacn 420
aaaaccgta tttgttattt tanggctttc aggccagttt nccaaaactt gcccaaaaaa 480
gcaaaaaaatt tcanccgacn ggtgactnng gggcccaaaa tggtnngaan aattaaaaan 540
gggccccngg 550

<210> 2338
<211> 555
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(555)
<223> n = A,T,C or G

<400> 2338
caatccaata aataccatct tatcccctgc nttcaccact tngctcacct acaaaccaca 60

ctcacactca	caactcaagtc	ttcgcattca	gacttgcaat	accgtcaaaa	tgacttacac	120
aatgactgcc	cacctctgca	agcagctcta	cgcttnatgg	cgccagaccc	gacagccttc	180
tcccgaactg	gccctcccaa	accagactcc	ctcatctttg	atgcgccctg	cctctcgatc	240
tccttcacct	cccgcaccaac	gctntgagcg	acgtccatcg	aacgcttcag	actcggactg	300
ggccccgaac	agacgtcact	agacaacaaa	gactcgcgaa	taattgtttt	cttactcacg	360
acttatgaga	tgaagtcgac	tcattgcatt	tgggacacgg	tcacggnatn	tggcgcatat	420
aacttggtta	cacctgacgg	agttctccct	ttacaacata	cattgnctac	gactttntga	480
aagacgccgg	cacctacctt	ttgacgacgt	ttttcgaccc	cgaaattttt	accctgnaaa	540
ancccaacaa	aaaaa					555

<210> 2339
 <211> 216
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(216)
 <223> n = A,T,C or G

<400> 2339	
tctcacagaa	gaagcaatca aacaccgcct ttattacgaa aaaccctgtc ctgtatgtgg 60
ntgagtcata	attgcgcgtg agtactcgag tttgattcat aattgatcaa acctgaaata 120
ccantacca	acaagagtca agaggaggaa ttaggtttct gtctnctgtg gcancggtag 180
ggcgtttact	gtctgcatgg attattttgcg acagan 216

<210> 2340
 <211> 129
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(129)
 <223> n = A,T,C or G

<400> 2340	
naaagctggc	cnatgaaacc cctgattngg cagntnccgg tnttccgatt ttgggnaaaa 60
agnngttgtt	ttcacccnc gcgaaatgct ttaaaaaacnc ctttancttg tnttttnggg 120
aaattaaat	

<210> 2341
 <211> 483
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(483)
 <223> n = A,T,C or G

<400> 2341	
caaccatacc	catccatcaa gatctaaact tacagtgcta ataagcgcaa acactatacg 60
ctgatatcat	ttgtggnttc tgtgcccctn catcattgcc ccacgttcaa gggttttggc 120
caacgacaac	ctcaaacaca ggttcaatac accaaacatc accaaaaatc ccctccacca 180
cgatcgcaac	caattaatca ggtcatcatg gatccctcg ataacatggg ccgggngccc 240
ccgtgcccaa	gaactttgac gcccgagaat gcncaaaaac aacgaagaca tgcagaagca 300
atttcgcttg	tcaaggggtcg tncancacat gcanacctta cttggtncat tcttcgagcg 360
gtgtcaaaag	ggctttttccc ttccgtctna ccaaagatcg aacgacgaag attatgggag 420
caccttaagg	anggcctttt cccgagtttc gaaccgcggc ccnaggtcaa cgagggacga 480

aat

483

<210> 2342

<211> 136

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(136)

<223> n = A,T,C or G

<400> 2342

nnaagcggcc	anccaggcca	acgcgggcca	cgacgagngg	accgagcacc	agaagccnca	60
catcaccaag	aacaacagga	ccccnggcga	agnggcgaac	caggaaccnc	ccggggcgan	120
aaaanacaga	agcgac					136

<210> 2343

<211> 552

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(552)

<223> n = A,T,C or G

<400> 2343

gcagtgtccc	tgtacctgcg	gggcgaatca	tcaaccttaa	acccctcagc	gactccagca	60
ccaacgctcg	cgtgggggagc	gcatttctcg	aacgctgcaa	tccctttaga	gatattccca	120
acgatgcgcg	actcgaaaac	accctctgcg	aaattcgcta	catcgaccgt	acctgcgcga	180
tttgatgggt	ccaacctctt	tgccggcgac	gantataact	ctgctccaaa	ctgctgcgca	240
gtcctgaaac	gcgtcccaat	tgacttggtg	ggtcctccgc	gagacggata	ttaaggatac	300
agtcagcgct	attgcgcgca	gaagtggang	aagactctat	tctgatgan	cctcatgatc	360
tcatcaaggt	caagntcttg	aacgacttgg	tcagcgctgg	aaaatgcnc	ccancttaga	420
aaatggancc	caataccccc	cacncaccgc	cattgttaga	anggcngaag	atatgccnna	480
ctgacaacaa	caaccactg	cgggaattgat	tcgcgaatgg	gcccgatcna	anaaaaaggt	540
tcatactaaa	at					552

<210> 2344

<211> 658

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 2344

atcgcaagtc	cggttttctgt	ttttggggtc	tcttaccctt	ttcccccttt	gtgtttcttt	60
gtccccctca	tagagcaggt	ctcttatact	tctaattttt	gttgtctcta	atcccaagaa	120
atcacccgca	tcaacaatct	cgaaactcaa	ttcaatcaag	ttgctgggtca	gcttagagac	180
aacatccctt	ttaacgacat	tttttgtttt	ttgttatcca	atcacgcccg	ctataatagt	240
ctaattacag	aaatttcacgg	atttcacttg	ctcgtgccaa	ctatcaaate	aacatttgca	300
ctctttttcag	caccctgcta	cccaaacaac	ttcatataaa	ataatcaagt	caagtcagca	360
tgtcggctat	tcaactttct	ttctctctcc	gcgtctctct	tggcgtcaag	actgtccacc	420
ttctcgggtcc	tgggacgggt	atgccggcca	gcttcctctc	tccaaggaca	aagtcctctt	480
caaagtccgg	ctnctggaan	ggcacctttc	gattccagaa	ctcaactctt	gaggntggcc	540
aacgatactg	gnactactac	atcatcgacg	ggtaccacgg	ttggccacaa	ccccagcgn	600

accttaactg gtgagnccac cancggccgt gagctgnaca atcttgacgt ccaccgnt 658

<210> 2345

<211> 555

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(555)

<223> n = A,T,C or G

<400> 2345

gtggcaccag	ccaaagcatt	actctctcct	tatcgcatcc	atcgagagac	aaggcttcac	60
cgatcatcgct	cgcacttttg	cctcggcagg	ttacgatgac	tcagtcgatg	gcaaggcctt	120
ggatgacgac	gttaaagcta	ttcaagatat	gattatgccg	tatatcgata	gcgggcggaa	180
gatcatcgca	gtgggacaca	gctatgggtc	tgtaccgcta	caggtcgctg	tcaatggata	240
ctctcaggct	gagagagagc	agaaagggca	aaatgggtgga	tttgtgtcag	tgatatttat	300
cgcgcgact	tctgtgttac	agaaggatat	ctccatgtac	gactctgttg	gggggcaagt	360
atacgtcagc	ttggtttcat	gatgtatccg	aatacgcta	cctntgaaga	acgagaactt	420
atgggggctt	cttactgatg	tggacaagan	tgtcgcgat	gagataatcc	cacactttgn	480
catcaaagta	aaggcccttc	gaagtttccg	ttccttgacc	ccggcggact	gatcatccca	540
gatatggtgt	tgtca					555

<210> 2346

<211> 574

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(574)

<223> n = A,T,C or G

<400> 2346

ctcgacagct	acactatcag	aatatctttc	tttcaactca	cttctgacta	ctaaactgca	60
gcgagccgct	aatctccttg	actagcgctg	acacctatct	cctcttnaaa	cccgattacc	120
acgttgcccc	cttggtact	gccttgccctc	atcagcccca	aatcaacgtt	ctcagcaacg	180
ccaagaaggt	caaagaccan	tccacttctt	aaaagtggag	acgtggacaa	aattccgctg	240
agctatcagc	ctttgnggag	acacattcgc	atcttcgcgt	ctacacacct	acaacattta	300
taaccacacc	catccatacc	tttactgtac	tcccacgccc	tgggcccgat	ctgatctagt	360
ggggcactgc	gtacaagctt	gagcttggtt	ctcacgaggc	ccttntttat	aaggacgctg	420
acgacctacc	aaggnaactg	atcatttacc	caaaattntt	ntttttttga	cctcctccgc	480
ccctgngngg	actgtectat	ntttttctta	ccaataacaa	caacattacc	tnacatnaca	540
acaacgttac	acacctttac	aatggaaacg	tacc			574

<210> 2347

<211> 549

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(549)

<223> n = A,T,C or G

<400> 2347

ggttagaagt	cctccgcgcg	gctgacgaca	gctggctcta	gcttagtgca	tcattgggaca	60
ctctctgtac	gcccgcacca	cttcctttcc	actacgatcc	cctgcaacac	agtgccacaa	120
gtgcgaacac	gggcgcctct	cgtaaagagg	ctgcagcagc	cgcgcgatct	ctgattaatg	180

gcgggtcaag	cacggagaaa	cctgagccga	gccctgagga	actgcgccga	catcgctgc	240
gcgagcgca	ccagcgggtt	cgtgttgctc	tcagtgacca	gagagtttg	gatgaggata	300
cgttccgcgc	atctattgag	gctcaggaga	agcgtgcaga	gcangaaaga	ccgtgctgcc	360
gctgcgccac	gcctaattgt	gcattcaatg	ccgacngacg	tccgagcgat	ggggtggttg	420
acncagcgaa	ttctaccctg	tgtncnag	ggccacataa	tgntnatggg	tttgccaaca	480
ccctggtcca	agcccacaag	ngcaanaaag	acaacggnc	aaggaanana	gaacattggt	540
tactttgga						549

<210> 2348

<211> 631

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 2348

catctttaat	caaagcaaca	agtccgtcac	cgacaatggc	agccagacgt	tcacagttcg	60
tcgacaccac	agccacagag	gcacctgggc	tctactatca	ggaccaaga	tacatctacc	120
atgttcccca	gacttogetc	cnaaacatgg	cccccgcc	tattcgtatg	accgaagatt	180
actacaatca	gacgtatcct	cttcagcaa	ctcccccaac	cccttacatt	ttcaatgcat	240
gttgccgcgg	tcgtagccgc	agccgccgac	gtcgtgctc	gcgcccctcc	aacacctatg	300
atagcgatgg	ctcaacggat	ggctatccgt	catatggaga	tgcccagccg	accagcang	360
gagtagatcg	ccttcgcct	ngaategctc	tgaaacaact	ctcagatttt	ctttacgcgg	420
ctgntatttt	ctacgataaa	cagctcaacg	aattcgctca	caagcattat	aatagcggct	480
atacttccaa	caaagctctt	cgccagttgc	tatggaagga	ctggatggcc	cgacgcgacg	540
atgtcacgct	cgaatntttt	acgtctacaa	agatcaacac	cacaacgctg	tttcccagg	600
cgangcaact	gctgaaatgc	catggnatgg	a			631

<210> 2349

<211> 726

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(726)

<223> n = A,T,C or G

<400> 2349

atagtattat	tgcccagagta	ctcactatcc	atntgtacta	caagagctct	gntcggaaac	60
aacagaactt	nttagaatat	tcctatccta	gggtcaccag	agacatatag	gaccagcagn	120
tattgcaagt	ggttgttagg	tacctttttg	gttaccocaa	anacgccant	cccgnagggg	180
ttnaggccga	taggttgaaa	ggaagtntcg	agtttttacc	tnagttacct	tacttaccgc	240
caaaattaac	ttcgaacaag	acacacgcc	ccaagtac	taaagccaga	cgtcggaccg	300
gtccaaganc	ccaaagaccc	ctttttntc	gtctaccccc	taatcgacaa	ttcctnagt	360
gcgnagccac	tatgacancg	tactgacaca	ccccgtagg	gtaagactca	anttagtctn	420
tgagcatttn	aactnaagct	cgatgataaa	acggggccgg	tccttcttct	tctttttctt	480
catttcttgg	ntnaacttca	tcggcattat	atttcccna	aatgggttct	ggtcnaaatt	540
nctggcgagg	cgngcccagg	cnetgaaaac	ctttttttgg	tttggaacna	atcaagggcg	600
acnaagtnc	aaaaaatga	tnttggttc	gggcatccga	naagaaaagn	naagccctng	660
gngtggcagt	cgtaaaaaag	ggtatgaanc	ttcgaaagac	cttgaattaa	cnccaatccc	720
cccaat						726

<210> 2350

<211> 811

<212> DNA

<213> Fusarium venenatum

[illegible]

```
<210> 2351
<211> 633
<212> DNA
<213> Fusarium venenatum
```

<400>	2351						
tttgatttca	gcaaaaaaag	cccatcaatt	gagcttcggt	catggtagac	gagaatacca		60
cgtcgaactc	ttccgggaga	cccgctgccg	gtgtaagctc	cggcttcagc	gccccgcctt		120
ccggtcatgg	gcttcggcgt	tccatgaccg	tgtcagtcgc	cgaggaagct	gcattctgcat		180
ctcgaagctc	acccccggca	tcgcccagct	tcgattcgat	cccccttcgc	cgcagttcaa		240
attttttcga	gtacagccctc	aatggaagctc	gagatttcct	aaacccccaa	ccgcgagatc		300
ctagtaatgg	cgattcatct	ttgacagagg	aatcatcgtc	tttaccgctc	ctgtctttgg		360
cttttgcttt	cctaccagct	atttctgggtc	ttctctttaa	gaatggcagt	gcggctcgtga		420
cagatttcat	gctcctgggc	ctggctgggtg	tttttctcaa	ctgggtccgt	acgcagccat		480
ggactttggta	tcactcagcg	cagcaagttc	ggatacagca	cgaagtggta	acggncaatg		540
tcattgacga	tgacagtgan	cttggntcca	gcactcaagg	gtccgggggc	caactcaact		600
cctgaccatg	ttccaaaaag	atgaanaaqt	qca				633

```
<210> 2352
<211> 679
<212> DNA
<213> Fusarium venenatum
```

```
<220>  
<221> misc_feature  
<222> (1)...(679)  
<223> n = A,T,C or G
```

<400>	2352						
acgc	ca	ct	gc	at	gat	tatt	ctgtga
gctt	gc	tata	tcta	atgata	gc	agata	actt
60							
tcag	catt	at	catt	aaat	atc	cttt	caa
120							
aatt	cat	caa	ag	act	gcgc	gtt	cttcggt
180							
aaag	aaac	ct	tg	ctg	ctcg	tc	accactgc
240							
atc	gc	ctt	gt	g	gcc	ga	gtccc
tg	ct	aa	act	g			

<222> (1)...(112)
 <223> n = A,T,C or G

<400> 2355
 ncatgccctg gntgncgatt ctacttatgc ggntagtact agganaatct tnaactgcac 60
 cgactggnc tctganattn gggaatangg cttttgggaa aaccctattg gc 112

<210> 2356
 <211> 748
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 2356
 ttttcttctt attctttcgt tgtgtttggt gctgtgcccg tcatatccca acatttagtt 60
 aaacaacaaa atctccgtcg gtcaccatga tcatcacgcg cgccctctcc atcaccaact 120
 ttgttgctcg cagctcagcg ctccagcttcc aggtcgggtg gctgtaccca tggcacaagc 180
 agctggatga cgatttcgaa gccctcaaga gagagcatct tcgcgtcctg accgcagtcg 240
 agggcaagat cggtcgaaca caagaacctg cccttcttga agagaaccga ccgggcattc 300
 tgagcatgat cggaaaacttg gcgccatgga aagcctgagt gcagagccga cttcgagacc 360
 gttacccaaa acacaacaca acaacaacct cgcataccca gccatcatgg natcgaaaaa 420
 caaatatata tcagaaaaaa gaactaaacg attcaaaaat ccttttccga cgacgaatta 480
 catggtgttc catctgtttt gcatcaggcg ttctcgttt ctggctttca cattcactcg 540
 ggcataaagt gggggccggt tacgggtcac gcganaccgg nttnacccga cgaaagggat 600
 ccgaccgnt gcgaattgat taatgggtcat cagttaggta tcggcacngg atatatttcg 660
 catattgtta tgttttagatc attcatatcc atcgtgtttt agtttgcggt actgttacta 720
 ctaaataaaa tatttacaag ctctcgct 748

<210> 2357
 <211> 556
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(556)
 <223> n = A,T,C or G

<400> 2357
 cgctcatcac atacttatta aaagggtcag ggtcctaaga actgaacatc tttttcctaa 60
 aacctgggaa acgaatccgc caaatccgcc taagcaaaga agaagttcac actaatccac 120
 gggaagggaa tggccnatgt ttcagtactt taaagaaaaa aagaaaaacg atcaaactac 180
 cgtccatgat gggactcttc aatgagaaac cttccgtcac ttcaccaaact actctccctt 240
 gcccaggtag cactgtacgg ggttataant ctcgttgttt tgtccaatgc caccagata 300
 tcccacgtcg tcgagaactc ctgctccgta ttctcaatat gatcccgna ctgaaagaca 360
 tcaccatcga tnacttcgtc aggggtcccca anaagatact tgtgttncca aagatccata 420
 cagcatcccc cncnttggtt tagcatncaa gaaaacgcc aaatccactg ctgaagatcc 480
 atttgtctta acctccggtc ggganngata tactgaaccc ctgaaccttc cncgtgtttg 540
 atgccaacat gatttc 556

<210> 2358
 <211> 160
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(160)
 <223> n = A,T,C or G

<400> 2358
 ngacagctac agaanttaga cttgatgcga nngttacaag naaccntgac gggctnagac 60
 cagcaggctc gaggtagaag aacntggcac catntacant gcaatagncc atnatcaagg 120
 acaaggaggg tantcctcgg accaacanaa agtgaacttc 160

<210> 2359
 <211> 575
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 2359
 gccgcaggaa attttttttt tttttttttt tttttgaacc caaatcgaga ctgtattgaa 60
 aatgagattg tatgtagtcg cttctaatac cgaaatatga acccatcttg taacgcccta 120
 ccactattta cgttctaagc ctgccttctt ccactgtacg ctataagaaa cccaagcatg 180
 aanagtgcaa atacatagtg caccatccaa tagtgagaga atttcataac ttgagaccaa 240
 gacaaatcgc tcgaaaaaca ccgataccgc cgaataagga aaatctaaca aaaagaaaag 300
 aaacgctggt gcgggatagc ccgtctgccc gctattcctt gggatacaac tcggtgggta 360
 ccttgctcctt cgggccccgg ccactcgagc tacttcttat gatcgtcgga tcgtcaccat 420
 cgcgctcagg gtcgtattcc ccaaaatctc tgggtgctggg ttggcgaaaa gggttcccaa 480
 aacgcgcggt agcttatcga cctcattatc cgactcggtg tctgtctcgt gctctgaatc 540
 gaacagtcta cgcgcgctgt ctcactcctg ctgtc 575

<210> 2360
 <211> 459
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

<400> 2360
 acctccaatt ttccggagga acagcgtgcg gacacagcat gtgctttaca agattgggca 60
 gatcttttaa caccgacgat acggctgggt cgggtgctgtg aacggttgga ccgaccagg 120
 tacgcgacgt ttacccatgc cacatactgt ggctattgac gagacgctgg acgataacag 180
 cgatacagaa ctgcccaacc ggcttngacc ccgcaacaag accttctaca cgtgcttacg 240
 cacaacaggg ccgaacgcc atgttgctgc cgaggataat atcgtgttga ttgaggatnc 300
 gagcgagatt ccagattctn tgttcggcag gctgggaaat tttcaagcga tttgatgcc 360
 gagacatgca caattcgtgt ncaacattaa ggaacaatac ccgcagcact agaaggacgn 420
 acatttttac gctttcagan ctttcgtgat gccgtgggt 459

<210> 2361
 <211> 671
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

```
<400> 2361
ctgggnttac actaaatcaa agggacttac tctgggtcgca taaacgaact acaatcacgg      60
cgggacgaaa tagancattg gcaaaaagac caatcatcgc atctgggttta agtatcaccg      120
catcgcatcg caactacaat cgaattgaca ctcgctctcaa catctaata ccaacaaacc      180
gaccactctt tgcgcaactc gaagaaccct ttgtcgccac catgacagac acaagtgaca      240
agcaatgggc caagggctta tctacttgat ccttttaaacy aacctgaacc aaaccaagac      300
accggtatcg gcaacctttc agctcaattc cgcagttatt ctctagaaag ctctagctca      360
acttcaagca aaggctgttc cgagagcaaaa aacaagcacc gatcaagccg taaacatcac      420
gggaagggtta tctaccccca cccacttctg ccagttccaac tgcgacagc tttcactatt      480
caaaccattc ctacagacgt tgcaagcttc ggcagcgggaa tcatctgtcc cttcaagtct      540
caaattctnt tcaccaaact tttcttctgg cccaaggtaa taaccattc actatTTTTT      600
tgggcaaccc ggtcancccn gcgcccagat ttcttgcnat tgnaagcccg ancttaagtn      660
caacacaacc g                                     671
```

```
<210> 2362
<211> 637
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G
```

```
<400> 2362
atgacatgct acatgactgg tagaaacgtg ggtggaaaga agagcaagga gcccgatatc      60
accgtggcct ttttccgagc caagcacgac tcgatattga ccatttacga acctaatatg      120
gcccgggttg agattgagga ccgaagaggt cttgaaatca ctcttctaata gagtgcagaa      180
accataaaaag atctctatat gaacccaagc caggatcctt tcaacatcct tacctcatcg      240
aatggccgac gtgcgccgaa ttctcgtcca gcagcaaaact cttccaccgg accaacaatg      300
gctggagcct tgaacaacaa tcggccatna tcacctnctc gcgcccagcc cgcgcagcaa      360
accccaaaaac acgatgctca acgccaggcc ggggttgaag ccganacaaa acgggttaca      420
gccatggtag cggaggagga gcgtganaaa ctggagcgtg agaaggaaga agaggaagag      480
ccccagagga tccagaggat gctggaaact gangaacaan aacgtcggaa gcgggganggc      540
cgaggttgat caaganacgg anccctacnt cnagagtttg gcatgggccc gccaaaattt      600
cnacaaccaa acaggcgcag gncanccatc ancaccg                                     637
```

```
<210> 2363
<211> 345
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G
```

```
<400> 2363
actttttgag accaactggc agcctcgaac aacaatatga caggggtgttt gatcgacagg      60
ggaacttgta gttgtttcgc cttgggcttt ccgcccgcag gaggtattgt gatcttgcac      120
gatgttggtta aatgctgtgc ttacagcgag gacatgggga ctgagactgt acacacgttg      180
aagagggcag ggtatatagc gggggagcca acgaatcacg gccgataacg acaatgatga      240
taacgataat ggtgctcctt tggcggaatc ttcggtatgg tttgggttatt aaaaggcggt      300
caatggnggg cgaagggtata gagaaagaat tgaactgatt ttggt                                     345
```

```
<210> 2364
<211> 1008
<212> DNA
<213> Fusarium venenatum
```

<220>
 <221> misc_feature
 <222> (1)...(1008)
 <223> n = A,T,C or G

<400> 2364

gggacggctt	cttaagaact	tcttcggctt	caatcaaacc	acaaaggggg	cttcaatctt	60
ctcttttccg	caaccaaacc	cgggaataag	ccttcaagcc	acctgcagag	cccgggtgta	120
ccgtaccgta	tcttaccgta	cctttttttac	cgtttcttga	aggggaagcac	ataccgcatac	180
tccactatcc	ataaatcgaa	actgaacaag	aagctccacc	atttctgttc	cacacacccc	240
ttccctggaa	ctctcacatc	tctctttttc	ttttttttgc	tcaaggctcc	agaagcctag	300
tccaagagac	agagacagac	ccccctggt	caactttctn	atccttctta	aactaagcac	360
ccatcccctt	gaaaaccaag	cccgggcgaa	gtaaaccaag	accagaagtc	aaagcgccaa	420
cacattccca	tccacttgaa	acaaacagaa	aaaggcttta	gcttccttgc	tttgtgctcc	480
catctttccc	tttgtataac	caaactcttct	ggggactctt	naaaaaagaa	caactactgt	540
tgctacctac	tacatatata	ttcacactac	ccaccacata	tcatancttc	tcttctctcc	600
tttcatcatg	tctggcgagac	cttcaagcca	ccactttgga	tcaaacagct	caacatcatc	660
ttctcgctca	tcatcatcat	cctcttccga	ctcgggttac	agacacagca	tggacgccat	720
tgctctcccc	atcgctcag	ttgaagttgt	tcgtcgcatg	cgatgcgctc	gctccgtcga	780
agctacttct	accgacgact	cagcacaatg	ggcatggctg	catcgccaca	acctttacta	840
ctgtgaacgc	tgcgcaaaga	tggtcggcta	caaataaatg	gatagcgtca	actgcaaaaa	900
ggttgaaaac	aatttctgaa	acaaacagca	cacgaaaatt	taccttctgaa	actggcttca	960
gcttctaatt	tcctccttct	gggtggaagg	gaacaaatca	tcaaccaa		1008

<210> 2365
 <211> 499
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 2365

gggaatggta	ctgagaggcg	ccctctgcga	accatcaaan	cttcgattgc	caagctataa	60
ggatatcgcc	gaagtcaaca	tttcctcaca	atcaggacaa	tatcgtctga	tggcctatca	120
aaatacccaa	gatgtccttc	cgttggttta	cttgcccag	cttcacagtc	tttcaatagc	180
ggttgacagc	ccagaagagt	tcgaatggcc	atcgacagca	ccccgggtca	catcagttcg	240
ctctttaaac	ctctataggc	tcagagaaat	tcgccttcgg	ccctcatgt	cggctctcaa	300
gaacattgaa	acgctcaaat	gggactttgt	gtatcagcaa	gaccttgata	agacagttag	360
caagccagtc	gtacagcttg	tcgaactggc	atcggccctt	tgtctcatga	gcccgactct	420
tagagacctg	acgattacag	gcgacagttg	cccagctttt	tcgtgtggcg	actacgatcc	480
cccacctctg	tacttcgag					499

<210> 2366
 <211> 463
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n = A,T,C or G

<400> 2366

taagtgtggc	cgacttgatg	acagctaccg	atgagagagt	atgggatagg	atatctggat	60
acacaatgtt	ttcaacacac	ctgggcaacc	aaacatggaa	ggtcacgaac	ccgcttggca	120
acacgcataa	cctggaatac	cctcgctgtg	accccacaa	gacctacgac	cactacctga	180

cgattatgac	gctttttacga	cgttacgtct	agacagctat	actgggttct	cctcatcagg	240
ctgtgtacat	cgccagcgat	gggaggagtt	gcctctgcga	ctacaaccta	ctactatacc	300
caccaaataa	tttctgtcta	ggcgctgtcc	tggcatgacc	gngacgatga	agacgatatg	360
gagacgccc	agtnccgcta	ttggactatt	ggcacgcaaa	gcaaagggcg	gntgaagttg	420
gagtgaag	ccgcgttgga	atggaaaaga	aaaaagttac	aat		463

<210> 2367
 <211> 643
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 2367	
cttttttttga	ctataattat gacgctcaaa gctctgcacg gatttatttta cccctcctta 60
cagctgggtgt	gaacgtgggc gtcgggtggg cggatgaatga atacctcact gccaaacttac 120
ctagcatcga	acaaagaccc aactcagaca acctgcgccc agcctgattc tgagtccagc 180
gcatagattt	gctggacaac acctgcgact gataggcttt gttctctgtt caattatcca 240
agggaaatca	ggtcgataat cgaaactatt tcctcgtcaa actcatacac atagacaaca 300
atattctaac	ttcatcctac cgtcatcctc acaccgagcc ggcgnacgcc atggggccgac 360
gaacgctccc	gatgccagtc ccaagacgaa cccttaacgt tgagacaaac gaagacgcag 420
agacacgcgc	caccgcgtgc gaactaaagc aatcttccat ctccgatcct tcaacatctg 480
gcctgaagat	gctgccaaca cctcggatgc gcccgataag gatatgaagg agcagatcac 540
ttacctaa	agaacgagca catgatcaac tagatgggag caagaggaag aagagaatga 600
tccaatgngt	anttcgtccg atcggcaaga aggtcctacg ang 643

<210> 2368
 <211> 569
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 2368		
gttaccctat	ctctttgtca tatggctcctt gagaaagagc tttatcagca ataccaaact 60	
ctctagtccc	cgagatcgcc acccggttga tgattaacac taacttgctt ctcccccttg 120	
gcatcgaata	gcgctccacg ccaggacagg actttcaact tgcacgtcc accaggccga 180	
cttgataccc	tcgatttggt tttattcgtg ctccagactg ttaccaacac tgcgtcgata 240	
cactcgtcgc	taaattgtnc tgtactccat cacacgccac atacaatgcc aacgccatca 300	
tcgaaccagc	ctgtcgaagc accttcaccg cgttcctata gtttctcaac atgtcctgac 360	
gacgtccaaa	gccaaccaca ccctgcctgg caagcacgca acgaaaacaa gcccggtgctg 420	
atgatgttgg	tatccagtcg ggnancgtca acgcgccaac tgcacctggg tgcccgatg 480	
acganaccat	catgttcgan ngtcgcccat caaacgaact atcttcaaga tctacaacca 540	
tgtnccacg	ccccaaaacg ccacaacta	569

<210> 2369
 <211> 633
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

```
<400> 2369
ggtccanatt aggtatctta gggaggaact gcaacatatg gggctntatt acaacaacca      60
gccanaccct actgcttttg agttcgagcc ctccggcagct cctcaggacc ccagagatag      120
tggaacttct gactcgcttt ctccacctca ctccgccacc nacaaccagt tcccaccacc      180
cgacgactca ttttctgggt tcagncgcgc aggatccggt caaatattgt ttatggacca      240
caatgcggct gacaatgccg acnatcatca gtcanaagcc gacttcaggg ctaatgccgg      300
acctntcagc cctactgccc attctnttat cccttcagggt atcttngacg anacatttga      360
ggatgctgcc gagcatctgc caaaccaata ttggccanaa tctgttacag ctgcanaaga      420
ggacaatccg caatgcgcgc tgtcatcgga tggacnctcc ctgaacatgt tctccanccc      480
tcacggntaa ttttacaact tgccctttcc ccagtacaaan gacntggact cttaatcgct      540
caacatnaac ttatnttccc agaaccgttt ttccataaag cacaaacttt taagttnngt      600
ggctaacttt caacgcagta gagggccaaa cct                                     633
```

<210> 2370

<211> 584

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(584)

<223> n = A,T,C or G

```
<400> 2370
gtgaccaatt ccactaacac gacctttgta cttatctcag gccattaatt gtactttacc      60
ctctttgcgc gctgaatcga agcaccgtct ctccgcctgt cgcgggttacg cttcgatttc      120
attattctga ggtcatccat attggctcgc ccgcgcctta tcttccctac gataatagac      180
atcatcatac acgatggcct ctcaacatga gcgcagactg ccattccaagc acaacatcct      240
cttgatcgag ggtgttccag atcatatcga tatggtttcg cgtcgacgcc ttgggcaaac      300
taagcttacg cctaagatga cgggctctaa cgactccgaa cttgggtgat tcgactacgc      360
gcatcttcgc gctcctctgc ctaagggcat cgtctctgga atcttcaagt ccagccctag      420
cagctatttc ctcatgcgac gcagttatga tggttacgtc tcggcaactg gcatgttcaa      480
ggctagcttc cctatgctga agcttccgat gaagaagcag aacggaagta tatcaagtct      540
cttccgacta cganccacga aaaaaacgcc ggtaacatct ggat                                     584
```

<210> 2371

<211> 504

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(504)

<223> n = A,T,C or G

```
<400> 2371
aattaattaa ttgactcaag aacaacattg acaaccttat caataatcca atcactttcc      60
aagtctaaga tgctttcttt cgtaaaactac actcctcgaa ctcatcccga gcacaaaaac      120
aaagaacatt gccgggtaca ctctgatcca tccaacatcc cacgcgatgt ctcccagaaa      180
acacccgctc ttgaacccaa gtccctcggt ccacgatcta ctgggtccctc tgctcccacg      240
actcaagctt aagcgatgag cataggcatt ggtcctacga ggcaaattccc ttggaacagt      300
tcaacggaag gatacccggt gagtacaagg cgtttttatt agctgggttcg ctgcaacaat      360
atcgataatg ggatgcaatt ggcattgtatt tgtctgttca acaggcgcac ttggtgtaat      420
gaggatatag taggggaaat gaaccatggg caaaaatcat tagctacttg gggtagcttg      480
gttgggcttt ggttnanaaa aaaa                                     504
```

<210> 2372

<211> 575

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(575)

<223> n = A,T,C or G

<400> 2372

ttttcgctc	caattttttg	aagagtaatt	cgccccctca	ccagaaaagt	aagacaactt	60
gttcttatct	cttggccaac	tctccaagtt	ccgaccacgc	caacgccaaag	acaaccgctg	120
atcttggcaa	tgatacagtt	cgaaaaagac	aatatccgaa	atgatacata	cagtatccga	180
cacaccacat	ggggaatggt	ccgaggttat	ctacaaccgc	tcacttccga	ctccgatcca	240
atgagagtct	cggtaatcaa	tactgcttct	cttggcgcac	gtcttggctg	tcggccgcac	300
acactcacgc	tctgaccggt	ggttttgggc	gtaaggatct	tttgtgctgc	cagcagccac	360
tgactctcaa	ttctaccagg	accttgtttt	gctgtgacta	agaaaaatct	gaataaggac	420
aaaaccgacg	cgacgagtct	ggggaaccag	tttgcggggt	aaacttgacc	tggggaaacg	480
tggcaacntt	gttggagaga	tggaatcccn	caagtcantt	ntttgcaata	gtttttttga	540
ctgncgcgcg	aaaataaaga	taacctctct	ggtcc			575

<210> 2373

<211> 296

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 2373

ngttgttngg	gtcactcttg	ttccccntta	acatgccaaa	gcgttnggga	aggatctcnc	60
cttttgtttc	cttcccatgt	tgatcggttc	gcttangcag	gtatgataca	ttgngttctc	120
ctgggtcatt	tgtttaaagc	acaccttccc	aaacagatat	tggttatttg	tagatcaggg	180
gtttggcaac	aaccagagat	caaaaccatt	actagctctc	gatcaagggt	tctgtganaa	240
ggcggaactg	acaaaatacct	taataaataa	tgcataggta	ataattgctc	ctctcc	296

<210> 2374

<211> 258

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(258)

<223> n = A,T,C or G

<400> 2374

nttgtaacca	cttntcttga	tnactacata	ccattttcct	ttgtcatgcg	ttgannaaaa	60
aagttagggg	tgcgtctttt	gataatggac	gactgcncct	ttgggctccg	atagacggaa	120
tgctctgtta	nactaccacc	gnngaggaac	gaggaaatga	catgggggat	tggaggatcc	180
caactgtgtt	tgancctca	acatggtggg	tttggagggt	ggcaaatagt	tagagccaaa	240
atagacttga	ttacgatc					258

<210> 2375

<211> 650

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(650)
 <223> n = A,T,C or G

<400> 2375
 agcgaaaacg gtccagcggg gcagcaaaga ttggagagcc gcaacgaccc ggcaaagtac 60
 aaaagcataa gcgaacatgg tccatgtctt cagcaagttc tgctgggggc ggtgcgagag 120
 tgactatgga ggaagactta cacttcaagc ttcaaactct gcaggacatg ttcaccagta 180
 cacgccctgt cagtgtatta tttctcaggg gtgacgaacc cgacgacccc gatctacacc 240
 cagtatctct tcctggagat atttcacccc taaccaagcc aggcgaaggc cccaactggc 300
 aggccagaag tggacgaagc tccgccgcag gttctatgat atcgcttcg cctagctctt 360
 tgtccctagt atcacaggcg tccggaattg gcgcaggcaa tcaatggaag aattttgact 420
 cggtgccagg tggtgaaatg tcacgcaagg gctctgagca acctacaaga attaacaagg 480
 gcgacgatga gggcagcctc agtggatgga tcgaggccct angcgctcgac tcatctatcg 540
 accaccacan gatcgagcc cgnaaccggg ggnctgcttt tacattcaac aaccgaactc 600
 gnatgactct tggaaatgct tnttancacc gngctattta nctggtgcng 650

<210> 2376
 <211> 204
 <212> DNA
 <213> Fusarium venenatum

<400> 2376
 ggctctgaaa tatgggagtt tcgtgtggcc cgcacgatgc gtttatgaca atgggtacat 60
 gaacttcttt ttttatgatg ggtcttcggg attcacggcg atagaaagaa tggactcctc 120
 agattatggg tggtctgggt tcttaactca tgagcgaggg aaattagccc gctcaacccg 180
 aataaaatat cctcatgcat catg 204

<210> 2377
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 2377
 atttcaccat tatcccctta cgaaactgct ttctctccag agttgaccat atatcattgg 60
 atacttgatt caaaatcaac acagtccatt cttatactac attgtctcca gttgcccttt 120
 ctgtcttttt cgggtgttgc tccctggatt tgacttgtct ntttcgactc ctcagcaacc 180
 tacactatcc aaacaacaac aacaacgctt cctagccaag actaccggaa cttgcctgct 240
 tttctacatc tctgcagtat atgaactcta caccagacgc cttgctacct atacatntgn 300
 ggaaacatcc gcaaattcgt caccgcaaaa actacgtctc tctccctttg caaacgctgc 360
 tgagtatccc tgtcgccctt caggtacaca cgcaacagcc caccagaaaac ccattagtct 420
 cgtgttccta aaagcggagg caattctgag ctatcaatcc cttcttcagt cccccgagtc 480
 tanacaggct ccgcgactag ccatcccggt atttagcccc cttcacttca ctacgcctgn 540
 gctggcccac attcagcaca taacatagta ttagagtccc ctggncatac caacaggcgg 600
 ttttctacca antctncaac tttacnc 627

<210> 2378
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 2378
 ccgacaaaga ccaccaatac cgccgcatac gttgcaacca ttgtctcagt ataacttgcc 60
 ttggagaaaa tagacaaggc acccgcaatt gcaaaaccga aatactcacc gtcactaagc 120
 tctttacaac cgtaacctct ggcagccgca taaccagcat cggcacgacc agcattgatc 180
 cccccaagaa tactaccaaa aacctggcta gatccaccat cggagatacc tgttcaggag 240
 gctcgttatt gaaatatttc tttgtacggt tctggtagtc gtgggtttacg ttgggtcattg 300
 agaaagggag atggcgcttt agaacttcgc aaagggtatc ggtgggaggg gtccggcgaa 360
 atgacgatag gccggagcct ttgtcgacga attggtaaga ctttgcgctt aaaacgcgtt 420
 ctaaggtcga gacgaccacg ttgggcttga aggcccgatga tgggggggtca agcggntcaa 480
 gtttcataat cgcggattgn aattgcaatg gggccggtgt gtantggnca atgagtttac 540
 gatgatttgg cccgaagtnc tgaattgggt aagacttgcn aaggatcact 590

<210> 2379

<211> 478

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(478)

<223> n = A,T,C or G

<400> 2379
 gttgtcctgg aatagctatg atgtttctct tgcacctttc atcacattgg tgtttacgac 60
 caagtttaga ccttttgggc gcagcctcac cgcgctattc cgaaccctcc ccgcatcatc 120
 gccatacccc ctcaattgtc gtatcattgc aactgcccac gggaggattt gtttgcggtt 180
 gttagccgaa aacagaaaac aggctaacaa acagccttga cgtncaccac accacatcct 240
 cagaccttga ctctctcca aaatgggcac aggaaatttt cgcacgacgt ggcaaaactta 300
 aatttctcgg gcgcaattgg agacgaaact ttggacctcg aactcaacag agatttaacg 360
 ttatggcggc gttcgaccgt gagaatgaaa tgatattatg aacattgttt ccatatatta 420
 actttgacag ggggattctc aatccanacn atggctctgg ttganttcgg gatacttc 478

<210> 2380

<211> 568

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(568)

<223> n = A,T,C or G

<400> 2380
 ccccccgaag ggccaaaang gttcaggcct ttactggntt ttttngggga ccagagcgca 60
 cagagtcctn cgaagccagn aaacctgtgt ttggcgctgc caagtggana aagcgtgagg 120
 ctgcccngga cgctggcgag gcacctcctg ccgaaaggtc ccgattctaa tgaccgacaa 180
 tctgccggng gtccctccan aatcgccctt gctggcaaca agcccagttg gcganagcgt 240
 gaggtgnta aacaggcggc cggtagtagc ggagccgata ctggatcttc cgcacctcca 300
 cctcgcttcg caccagggg tggtgcgcca cctatggacc gaagcggctt ctggcgtgc 360
 tgatgatgat cgaaagccgt ntccaactcc tccagcggaa tctcagcctg catcacgaac 420
 agctggcaag tgggttcctc ctccatgag gggcaaataa gtggttaggg atggcatttg 480
 cgactcatgg cgtaaatagt tttgcttcca tgtaggaaaa gtagtagtag tccttatgaa 540
 tcaatacaag cgactaagca cactgaga 568

<210> 2381

<211> 350

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 2381
 gatcatgggc cagcgagaga caagccgcct tgcngngggc atanctcana gtgcaattaa 60
 cgggtctanga agcctcagtt ccgggttcag agataccatt ggtcaagacg ccgatgtcat 120
 tgccaaagcg gccataanag ctgctgcagtt ggcgaaggag ggaaaggcac cgancaagta 180
 ttggattctc aacgcaagcg atatcattaa gctgggcagg actgagtggc cangcaatca 240
 nactgcagct acagagacca anacggagac tgctgcatan agtgcattga aaggaatgca 300
 ncggcggtta gtgtcttact tgggttcctat ccaaaatgaa atataacccg 350

<210> 2382
 <211> 110
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(110)
 <223> n = A,T,C or G

<400> 2382
 ncacgacgca ccaccgtagt gaaatnccta anatngcgct tnagcaatcg cgttggnnaag 60
 acangganct ctgnccggtg tctcttcaca ggnncngaag ganccttaca 110

<210> 2383
 <211> 289
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

<400> 2383
 ttttttttat tttctaattt attttacctc atatattttg ctcatctctt cggcctctct 60
 cctggttcct tttcggtagc tctttccctc catcaaatgc tcaccgtgag cttctctttt 120
 ccaaatcatn cgnccgcatg anccgaaatg gaaaccggnt ccgccgtaaa atcgcccggc 180
 cgaggccttn gccnttcctt cggcggagcc cgttgctgcc gatnnacttc cggcctntga 240
 gcttganaan agttcccaaa ancggaaaac nccaacccaa cgtcaanaa 289

<210> 2384
 <211> 354
 <212> DNA
 <213> Fusarium venenatum

<400> 2384
 cacatgtgca agaggctcag gctctcctca aggagaactc cgaaggccca ttcttcctag 60
 gaaagactcc tagctatgct gattttgtct ggggtgggtt cctcatcttc atgcagcgca 120
 accagatcat tgatgagggtg tacaagatca gtgggtgatg ctcagcttca caaggacctc 180
 ctagaggcta ctgctccttg gcacaagagg aacgaccact aagttacaaa gtagacatgg 240
 ctgaaaaaga aattccaaag atgatggacc aagaactgga aaagcaatac tactaggcta 300
 ccagtgataa aagaccacaga cataaacaca ttcattctta ttcgtgaaaa aaaa 354

<210> 2385
 <211> 147
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(147)
 <223> n = A,T,C or G

<400> 2385
 nnttaggcac atatactgaa catttactga nttgacgggg tatgtnantc taaaggnttc 60
 gtcttgaana aatatgtnta tcntttgtgn ataccaagan ctnattgaat taagtaanga 120
 ncagaatagt gctctgggaa tactcct 147

<210> 2386
 <211> 297
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2386
 ccatggacat gtaagacttg gtataatggt ctattgagga gggtaaaagg catacactaa 60
 gcgctttata tttcttattt attttctttt gagaatcttg gagatcctac agcggattag 120
 gatgggactc ggcgtttggg gcacacagga tggaccaccc atgagcgggtg ctactgcata 180
 acatgcattg ttttctttga tttagtttca ggacgaatga tgacacagga aacttgtgta 240
 gctagataga aaggtttgtc gccgctcgac accacaaata caatatttga aggatac 297

<210> 2387
 <211> 103
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(103)
 <223> n = A,T,C or G

<400> 2387
 ngccnaactg nactnggatn acaataccag gttncgacag atgattgtct tgacggnatg 60
 acagaanagt tgngatcatt ccttngantt gcatactaga cag 103

<210> 2388
 <211> 623
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 2388
 attgttgtaa ggtactctct aaacactaaa ttcaaggatc catatatgtt acaaacttga 60
 tatattgaat taatgttcac aaaaaactaa ggttctcaat gagtccacgc tgtggacacg 120
 ggctgaagtt cttctaactt aaagaccctc aaagtctgtat tccaaactat tccaatagcc 180
 tataaagtct cacatgggaa tattgcctcg tggatacaga gcagggatta cgcataatag 240
 catccagcct gagtgaagtt taatacacat cttagagtga gctgagtggc gacacagata 300
 tactgacaat tgggtccatat ccatctcgaa tggctgcctt tttgagttgc cttgaaactg 360
 cgaacctggt gctgttggtt gtgtgcagtg caatatgcag ggagagactt gcttgacacg 420
 aggcagccaa aggcattctt ttgnttgntg gtagcagagt ttgccagaca aaattaatga 480
 gttagctcgg agcacaataa agtagctttc agttactctt ttgnggtcat nccacaattc 540
 acctgcagtg ccagagaact ggcactggca acagntgtca cggnatcaac ttgcaacctt 600
 gaacatctat naagangcct cat 623

<210> 2389
 <211> 612
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 2389
 atccatcgac ccagtgtatt gtatctttact ttgcggttaga ttcacgtcga tcatcatcat 60
 cgctacagca cttttttatta ccacttacac gcaaacagcc aaccacaaaa cgccntctca 120
 accaacaacc atgagtcgcc gacaggacca cgaccagagg caatacagcc agagatacta 180
 ctcggacagc tctaggaact ggagttagga agctgttcga ggcagctggg actccaacta 240
 ccaaagaaca acatcggcca acacatctcc cagagaccag tcccaagctt ggagtagacc 300
 aagtcctcaa gcctatgata gaagccagaa catgggttaac cantggctcg gtcaacagta 360
 tcagaaccag ncaccaatga tncatccatg ggcgggtgac ctgatnccaa ttcactactt 420
 ctacacttcn ctggcttttag gactntctaa cntttntttt ggacttagna cncgccgggat 480
 tnaaacccaa gtggnggggat gatttntgcc cactttaang cttttttccg atngcagtat 540
 aanaccatac canggggggc cttttttctt tgggggatntc atataaacca atcgtcgttt 600
 ngacgacaaa tt 612

<210> 2390
 <211> 146
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(146)
 <223> n = A,T,C or G

<400> 2390
 ncaacatctn ctctcaatat taacccccctt ntccacacaca cncaaagctt ttataacttc 60
 acccattcng aaaattttctc atcncaaatn ctcacctcna aaaacttttn cncaccccc 120
 tttttcnttn ttataaanta acctct 146

<210> 2391
 <211> 212
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(212)
 <223> n = A,T,C or G

<400> 2391
 atagcacctg aagcaagatt tgcgatgaca gcctgaaagt cttcacgagc atatccgana 60
 acagatatgt acgagctcga aaatattgtg gaggatggaa taaaggcgct tattcatgat 120
 aagaataacc aagtgaaggt attggtggat atgagcgaca aatgattgcg ttctttaga 180
 gggtttattta atattcaaag ccctccctgg tc 212

<210> 2392
 <211> 299
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 2392
 ctctacctcg gcgagcagtc atctgctttt gtcaaggctg cttgccgcgg cttgataact 60
 tctctccggg atactctacc tcggcgagca gctatcaagc agcggcaagc ntgtgcagca 120
 tttgttcata aatgcatnat ggggatattg cgggttatgg cgtttgaaaa gtcgaacagg 180
 tgttattctg caacaaaacg gcgggttatgt ccatcgctcg tctatTTTTT ggcttgcatc 240
 ttaatttcag caaagcacan cacggtacag aacagggggag gaagggtnga taattatga 299

<210> 2393
 <211> 621
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 2393
 agggacagag agctcttgta gagtttcaat tcaagaaccc ttgaccgctc ttctgcatct 60
 acatctagat cccaattcat aacgtcctgg aacctctcac gaaacaccga acctttnttc 120
 agacactcan aaacaaacat catcgctcagt tcgtatatcc atcatcatgg gctcccacga 180
 ctntttgaac caggccgaag gtgcacctcg gttctggtag cnggataact tnttcctcac 240
 aaacgacaag tcctatctat gccccgaac cttcaacaag tctctcgatg acaactgggtg 300
 gagcagcccc ttaccaaacg gacaactcca gagggtagct gataactgct tgacctgggc 360
 cgtgtactat actccccaga ccgccgagga aatgaagaga aacggcatcn cttcaccaaa 420
 agatgggtcc ccgcacaaga tggcggtttc gctcgtgtgg ngaccgacta cgtaactntg 480
 gcctacctac agacgttttc gtcgtcgatg anttccaccg gcggggattg gcgtcgtggc 540
 tgatgccanc ctcttaaggg gatagtcnac gaatgggaac acatgcgcng gctttttttt 600
 atgaccatga ncaaaccgca a 621

<210> 2394
 <211> 106
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(106)
 <223> n = A,T,C or G

<400> 2394
 ntgnngctac taagggtgna ttttcggngc ntgtacgggg gnacccctat attatnataa 60
 ggctnncnca atggattang atngtgcnag ccntacaaaa aaaatc 106

<210> 2395
 <211> 110
 <212> DNA
 <213> Fusarium venenatum

<400> 2395
 ggtattgggt ggtggcggtc aagggtggtg acctcctggc ggtaagtgga actccccctg 60
 caggccaacc tactcctacc ccctcgctct agatatagga agtagtataa 110

<210> 2396
 <211> 631
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 2396

gataccttttc	tgagtgtctga	ctcgtctcaa	cttacctagc	tcgttgcttg	ttgttgcaag	60
tcactcatcc	atgctgcgct	gtctcgctcg	tgctcgctcg	tcattatcgc	catcactatc	120
accaccacga	agtctcattc	acctctcaca	tactcgcagg	actatggcaa	ctgagcacag	180
tcattgggac	gctcgtgtcc	ctaatactct	cgagtggctc	gccaagacta	agaggggcca	240
ttaccttggt	caagtagcat	ggccattgtg	ctggggcgag	gatcgtgttg	cccccaaaga	300
tgagaaggtc	aacctgggtt	atgtgggtcga	tggaaatgcc	tatttcttca	cagctgttga	360
cgtctctcgg	cgtttggaat	atctcaatag	tacaagaact	gncatcgtag	gcattgggta	420
cccggcagta	aatatgtcta	tgacttncgc	ggggcccaga	tctgacctat	tcgtggnaga	480
gtatgacatg	cctcttgaca	gacatggnaa	ggcctcgtag	ccgacatctc	atgtggtgaa	540
agccgagcaa	gttctctanac	tggggatgaa	agacagacgt	catgccctat	ggttgangga	600
caaagctntt	tncccaacgc	caacttacan	n			631

<210> 2397

<211> 595

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(595)

<223> n = A,T,C or G

<400> 2397

gttcctcagc	atatgcctga	tcccgcgaatt	ggctcctaca	agctcctcgg	cattcggggac	60
gatgtttgct	tcnaccgctt	cagtcgatat	ggcccttacg	gcctggggcta	tancagagct	120
caaggtggtc	tggataccgg	tctggatact	gagggcgtctg	gaaatgaggc	agtttggggc	180
gaaactggca	aaatcaacta	catcgacgtg	aactggggcg	atgctcagga	agattgctac	240
aaagccaaca	agcatngttt	caagcaggtc	aacggccgaca	ccggcgagct	ntnggagacc	300
aacaacaaga	aaggacgcat	tgcgctcggt	gtccgtacat	acactggctt	nagtggactg	360
agctttgctg	tcctcaactt	ccgtgctctc	atnacgaact	ttcgtcfaat	cgngngnga	420
atatcaagtt	catttttntg	atgcaggtag	caaacatcga	tgagcccatc	tggtcaaata	480
agtggacggg	gcagccgcat	tatcaacnac	aacgttcccc	cccgagtttc	ganggcttgg	540
tttcttttgg	agcgagcctc	aaatganact	tattgtcccc	ccgcccgaatt	ttgga	595

<210> 2398

<211> 170

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(170)

<223> n = A,T,C or G

<400> 2398

natanagtgc	caaggtatat	atactgtgcg	ttgcgcatnt	tacaatgaga	tgtgttggcc	60
tctttgctng	tagaacgaat	atatgtgngc	ctatgggagg	acctgagnna	tggataaaaa	120
gggtaaaaac	ntttantttc	aggtggccga	ttgacaatag	gcataagggtg		170

<210> 2399

<211> 630

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 2399

tcgctgctcg	ctcataagtc	ttctttgctc	ctctccttcc	gccattttcg	atcaaagtct	60
attagcggcg	cggcttcatt	ctctttggca	acataatctc	ctcgttccat	cgtgcgnaa	120
agacgtgcct	tttcctccat	tcgtcgctng	gcgcgtgcca	actcttgagt	ttcttctctc	180
gngccagnaa	cctcctttaa	ttgcagcttt	tttgatccat	canactcctt	gcttcgttng	240
ggttttgagc	ctttgaatat	gtcatctttg	ccttcttttt	gagagcgaga	cgggccagct	300
gatgtcgcgc	ctgatgagga	gtttgacatc	aatgatgtca	attgagcagt	gaaatcaagc	360
gaagtagata	atgttgcatc	acgcttcggc	tttttaagna	ggacgttgcc	gtatanattc	420
ggntcctgng	gcattttgct	gtattcgata	gntcgcgtat	gtgtttttga	ntacttgggt	480
gntgatgatc	gcgangaaat	aaagtaccaa	aacgaacgca	atgcccatgg	gcagncaaac	540
aaaaccgggtg	gtntctcaacc	tggggnaatc	accaccaagg	ttggacagaa	catcgacggc	600
gggncaacat	tncaatcact	ataaanaaan				630

<210> 2400

<211> 461

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(461)

<223> n = A,T,C or G

<400> 2400

agacgagaca	acaatactct	tcggattgtc	gcatcattgt	tgttttcacg	tcccaattgg	60
ttgtcaggtc	gtcagcctag	ggaacgggac	atgacgggct	ggatccagcg	gacaggttga	120
gctaccaggt	ctagcgaacg	anaagacca	ttccggatga	cccatagcaa	gacatcaagg	180
gctcggaatg	gaggtcacga	cggatctgtc	atccggcccg	ggggagtcgt	ggccgtggcc	240
caaccgtgga	tgggatgctg	gtgtttgcta	ttcgtgcagg	atcccatctg	atctgagttg	300
ttcttgtctt	gctgggttaag	actcattcgg	tctgagatca	aagggctgga	caacatttgc	360
ttaaacaaga	ttgggcttta	aanaccacn	ctgggggttta	aatcgaanaa	acttttttca	420
agangcttga	aanaaccct	tntntcgtt	gaaaaaaaat	t		461

<210> 2401

<211> 524

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(524)

<223> n = A,T,C or G

<400> 2401

agctttatgt	ctccagcggg	cgcgaagag	aatgatgcag	ctctgcgcgc	atctntaacc	60
actcttnttt	cttgtgcgca	tgcagctaga	ggcttaccga	aatcaaagga	ggaagctgaa	120
gctcagcgag	cggccagcgc	aggcgtggga	cccagcaatc	agccgatgga	gctgcgactt	180
gtgccggagt	cggagctgtc	acaggaacaa	ccaagaccaa	ganggggtcca	acgccccgcc	240
gcgccatctc	caccccgcaa	acggggccggg	ggatcaggat	ctccttcaag	aacctcaana	300
acagctntgg	gttgcaacga	ccccacggnc	taccaanaan	aagaaggtga	cggaagagcc	360
taccactatc	tcaccaactn	ttctcacatg	ggttgcaacn	ccggcggttg	cattgtttgtg	420
tctgnngngg	ggttttggng	caaggatatn	tatccgcgct	gaagctggta	aanaaaaagc	480
gctggcggcc	antgtttggca	nttgtcaaca	ataccacatt	tttg		524

<210> 2402
 <211> 541
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(541)
 <223> n = A,T,C or G

<400> 2402
 ttttcttttt cttttccttg gtacatctca tattgaaaga attacctatn ggtatatggt 60
 atcttttctc ttcgtttgaa cgtttttgtc tatcctgggt ttacaataat aaatcgggat 120
 gcttagcgta ccgataccta catctgaatc tgcagggtccc ttgatcctaa atcgccgtng 180
 ggatctttat tagttgccta cttgattgtc atcgatcatca attttcaatt caatcatacc 240
 tctactgtga tctactttgc aaattaaggg acttcatgcc atcatcatag tccctcagt 300
 acccacactg tcgagttcat nacatacaag ttcacacacc cacgctagga tcccggccta 360
 gttctctcat ctcatactca aagggtccgg ataacacccc ccngccaaaa aattacttgg 420
 cttggcttgg ctcccctcnc acaactctng ggccagaaac cgtnaaaatt tanccngtaa 480
 ccaagctaan ttacgnggtg ttttgaaaca aaccgtacct tanttttgcc aaaanaccn 540
 g 541

<210> 2403
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 2403
 aggtgtgata ccacaagcct tacctgggac tctttgaggc cagcctgaag atgcaagagg 60
 gtccacagtc ctgggaaatt cgcgatttgc gcgagaatgt gacagacggc gacaagacct 120
 ggaccgagaa agcctactgt ctgatatgtg gtacttgtat tgaatgaaca ttcaatagcg 180
 agactgcata accgcacaga gcctgctccg gtcagcaggc tcatcgagtc tcgaaatgcg 240
 cgactatata ttgcgaggt tggcgagtca gcttcacgca gcttggttgg agccttaaac 300
 tccaatgtgg ccagctcgac tcaaccgcct actcgataag gctttttgga atgacgaatg 360
 gcttcagttt cttttgtcaa aatttcgaag tcacttaggc gattcgccca actggtggat 420
 tttccgggcg cggcggttga ggcgaaattg gctgtatcgt ggggttgagat ggtggttcgg 480
 tctagaactc gcgagaggcg aggggatagc tactctgntt cttttttgaa gttattttan 540
 gcgacgcaag agtaactatt catatgggtc actggactat cgggangggac tagaccggac 600
 gttga 605

<210> 2404
 <211> 818
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 2404
 aggaattgaa acaggcactg aanaaatatc agcgacgaca agcgagactc gtccatnttt 60
 acctttggct ccagaatccc aaaccgcact tgaacctgaa attgaggttg aaggatgata 120
 agaggaagtg gtanaacctc ctccctnggat agaccttgcc cggcgactca gcacaacgct 180

atacaacaac	atgggaatcg	accctgtcga	cggaaaatgg	ataccagaac	atcagtggtc	240
gagtgtcac	gacttgctgt	atgccaagct	ttgttacagc	aaccttcttt	tccgaagtcc	300
ccgcaaaacg	ccatacatca	tcaataaggg	caaaaagttc	tatgttgatt	ggaccactgg	360
ccgaatggtc	agggttctcc	caccagccta	tggggagatc	gactattttg	gtgcttggca	420
aacgggttca	taccgaaaac	agactcatct	aagggttg	ccatacgcat	atatgatata	480
aacatcttct	accccatgac	actctctctt	accaacttaa	ctatgtcttc	tttctcttac	540
acaaaaatac	tactgggacc	ggtcacatct	catacgacat	cacacacatt	tctcttatgg	600
ttgattcaac	atttttatca	atctaaaaaca	ccactacaca	gattcacact	cgaaaacaga	660
ggcacagcac	ctcacatctc	gtctttttta	cgaacgtaca	tagctacttt	gcatactctg	720
cgcatgaaag	gctgctgatt	gcatacncac	acggtgatga	tggcttacga	tcataggaacg	780
gagtttacat	ttgatttaac	gctttcttgg	taaaancaa			818

<210> 2405

<211> 510

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(510)

<223> n = A,T,C or G

<400> 2405

ctggcggttcg	cttcattctt	cgccaatatc	acaaggccgt	gcagagggca	gtctccgcga	60
aactccttaa	gagtagagac	atcaaaggga	agggcatcga	agcagcggca	tatcagttag	120
gaaactcgcg	aaaactatat	gagaggaaaa	cagcactctc	tgaagcacat	tcaagcagtc	180
ctgcataaat	aagcaatggt	gcttcaaaac	acttatacta	aagcccagta	taaggcaacg	240
gcattatgaa	ttattttacga	tttaacgaga	acaacaaaatg	attaagggcg	gctggagagc	300
tatggaaaaa	ataaaaagttt	gtgatcaacc	caaatattct	tgacattgcg	gtatcaataa	360
acaaaggcgg	cggtacaaat	aatcgctaaa	gatangtagt	gggaagaatg	aacatgttga	420
gagctcgact	atatcatttt	cacgtctggt	tcatgtgcaa	tgttcacaac	atgggttagc	480
aatttgtcna	tggttgattac	aatgtncgta				510

<210> 2406

<211> 936

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(936)

<223> n = A,T,C or G

<400> 2406

cgcatatttc	tcattcccat	tgggcctcat	tgtggtcaat	cgctactcca	tgttttctctc	60
atccctccaa	tcgatcaaca	aagacatctc	tcaatgctga	gattttctggg	gaaagatggg	120
ataatatgat	acaatatgcc	atctccacct	gtcttggttac	gaagccgctg	ttctctttga	180
ccagtcaacc	agtcttgtct	ttgtcttctc	cagacacacc	cttcaagcaa	gggtgctgat	240
tgctcactga	ggagaaggag	gggacctttt	gggttttatt	ttttttactt	tgacttgctt	300
ttttcttatt	atccgacgtg	accgagcata	tacaagttac	tgactgataa	ccgtatagtt	360
catggaccn	atgcacgaca	cccgtntgc	ctgatctgat	attacgtctc	tcgcaaaagc	420
gatccgcaga	agacgagggg	aaagaattcg	ggtccacgat	tcactgacct	atcgagggaa	480
cctaggccgg	tctcagntcg	aaaatacgat	gtcgncttat	tgactaatct	gancattggc	540
taagggaatg	gaatagcttt	gggttgagat	ggaagctgtt	ttgagcaaca	agctaccctt	600
cattttttctc	ctgtncgcgtc	catcccaaga	aagcctccca	tttccgcaga	tccgatcttt	660
gtcttggttc	accaccaaac	caacctttta	gaatantggg	ggaagattgg	gnaaatgatc	720
ttatgggtct	tgggaaactg	ccttggaatc	ccgttttggt	tgggtttant	cccgcctccc	780
tgggtccgag	ggctgttttt	cgtagggngt	gcagaaaata	ataccaaact	tggtgtagaa	840
cacggttggc	cgcggtntac	agtaacacca	tcatancgca	tcangtcgtt	gaatcaaaac	900
aagggtcgag	tgggagcgta	tnnattatgc	ggacct			936

<210> 2407
 <211> 503
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(503)
 <223> n = A,T,C or G

<400> 2407
 gtcacgtga atcttctctc ttcatctgc ctatctatcc atctgcatcc gcacctgtat 60
 ttgcatctca tctgcattgg tgaaccttta actgcgtgca ctgttactaa gcacaagacg 120
 cccaaaagcg ctgttggtcc ctacatcgag accctgttgc cttttgtttg gactgtagct 180
 catctcgcga ttatccatta attttagttc gtcagacnca cggccacatc aagctcctca 240
 cagaaacaac aaggcataat ggcaagtgc gcangtggtc cggagcggtt tccttctatc 300
 gangatagag aaaccgagcc gctgctcggg agacctggtg atgccgcgca agaagatggc 360
 gttcctatga tcaagaacct cgttctcggg accggnatag tcgcccagtt ggggtgttg 420
 ctactcacga ttctgggtctg ggcangcgtc ctatccaagg ccgttgantc ncttccaagc 480
 gcaaccggct gcttcagtca ctg 503

<210> 2408
 <211> 145
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(145)
 <223> n = A,T,C or G

<400> 2408
 nggggttttt ntcggggggg ntgttttant gnaaacccnc cganggttng aaaaaagggg 60
 gaacaaccct taaaaaagnn ggggtggggc ncaatntaaa aatttttcnt taaggaattg 120
 gtggtnaaat tggtgaaaaa caaaa 145

<210> 2409
 <211> 217
 <212> DNA
 <213> Fusarium venenatum

<400> 2409
 aaaaatcgaa gcatgaaggg ctggaacaca gactacacac cagtcatcac ggctgtgag 60
 cattgggaaa tcaactatac cgtcaatatg aattataccg gtggccgcca atcatacaaa 120
 gtcaccaatc gagattacaa gcaaaaagtt atcaacacaa catatatcga tgagtcgtct 180
 gtcgacgatg gaacactcga cccgatattt gccgacc 217

<210> 2410
 <211> 307
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(307)
 <223> n = A,T,C or G

<400> 2410
 nacaagtttg catgatagac gtgttttctt ggctttgnca ctctgtgttc ttgtgacccc 60

agagccactc	attttacgct	gtagggagcg	cagcaatcat	ggcattggca	aggatctttg	120
ggcggtctta	tctgtttttc	cagtttttcta	ttttccataa	catcattggc	gttgggggata	180
ccacactcgc	tcgggtttct	tatctactcg	gatgacgaga	gggttatatt	aatatcatat	240
agagatagga	ggcaggcctt	tgacatggcc	tggcttcatt	agaaatgaaa	gctaattcgc	300
ctcccn						307

<210> 2411

<211> 303

<212> DNA

<213> Fusarium venenatum

<400> 2411

cgacagaaca	atattagcaa	tcctgacctg	atttaccag	gacagactct	ccagggtccct	60
ggtggtggca	gccaaaggtg	tgggtggattc	ggaaactcgg	tgcgaaatgt	gcgcttgtt	120
gatggaggcc	aaaggctaga	gggcgagctg	tctcgtgatg	gtgattgggt	tctgagctcc	180
atcatccttg	acgagcggat	caagaacttc	aacggtacat	tggaagtgg	tctagatatg	240
tgtgacataa	taacagcgag	ttttctgcct	aatacathtt	cgtacaaaagt	catttttaaaa	300
aaa						303

<210> 2412

<211> 343

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(343)

<223> n = A,T,C or G

<400> 2412

ngcccagagc	cgagacaatg	accaacaacc	cgcttcacga	cgtgcatgaa	gttgccggta	60
tgcgatttgt	ggaaagtccc	ccgactccgg	gtcagggttt	gttctctcct	cgagccggna	120
tgtttccctng	tgaccctttc	tcaacatttg	ggagaccacc	agttgttgca	gatccaagga	180
gtccacctac	caagggcgaa	gcacctataa	ttcgatcaaa	ttgatganct	cttatgatga	240
agctttgacc	atagtntcat	gtttcgaagc	cgnaacgatg	caacttccaa	tggaaggaaa	300
acgtacganc	cttnccggtta	aaanttttnt	ttaatantta	aaa		343

<210> 2413

<211> 630

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 2413

aaaatcttat	tcacagtatc	ctcaaagcag	aaggaaacag	acacaaacca	cagcagcctt	60
cttttcaagc	ccaaagacgc	ttgctggtcg	ctcaagcatg	tcgaaaagat	caactgctcc	120
gcatggcgct	ggtccatcct	tgaataatcg	tcgatctcgt	gtagaaagcg	gcactcgtac	180
acacgtatca	ggtttaacaa	aagtcagcca	gggccagagc	ccaggcacca	gatcagtcag	240
accgtcaaaa	agccttaacc	agcccgtttt	agcacacaac	attctgggac	gctcccatag	300
cctgagcgcc	gacatagttg	tcctnaacgt	gtacagtcgg	ccaaccgata	cgaaaagcct	360
ttaccagagc	cacctnacc	tggatcgaca	acaagctcat	gggagaagat	tgcaggctgc	420
tactgaggnt	gataccttgg	cattcacgcc	agagaaagnt	ttccgcgaca	aaaggcaagg	480
gaaacacgcc	ncaagataaa	aganggcaat	cattaccggt	cttngatttc	anctaatacg	540
tcaccggttg	ntcaangggg	gttttcnngc	acaagatngg	gcggggcgna	gttccaaaaa	600
agaatgntat	tngtttgnag	ccttnaaacg				630

<210> 2414
 <211> 930
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(930)
 <223> n = A,T,C or G

<400> 2414
 gggcaccatc tgtgggttcga ttgacaccat gccaatgcct ttgacactct tgacacctca 60
 tggcccgttg atacgaccca cgactgtaca tcatacgttt tcgtttcctt tttcctgaga 120
 actacttgga ctcaacttct ttgatgacgt atatcatttg actcaaccgt ctttgacgac 180
 attaatactg ggatgcatag caagtgaac gtccatgacc gtactgcttc accatcatcc 240
 gatcttatct aggcgctatt tcgactcggg gctgaatgct tctcgaacac agtctgcagg 300
 cctcgtactt gttggctttc tcacaatcat ggtgcttggt gtttgacggc tcacgactaa 360
 cgcagtgatg acatgtgcga tctttgatgc ctgctcatcc atgggtctga cgttcaccc 420
 gaaacctgca acctgcaacc tgcgtgatg cggttgagtt gtgaattggt cacttgaatc 480
 tcttgaaagt tatccctcag cccgaactag acagtagtgt cttgctggac gtgagcccga 540
 tcgtacttat actcttttnc agccagacct gtgcgttctt ggatgaaatc gatttgtgtc 600
 tgcaagtggg ttcatgtgat ctgnatgtgt gttgcgtgcc atgcgcatgg ctgactacgt 660
 tggcgggtta cgctttcatc tacgatttct ttgagtctgg cttaactccg gactgtttct 720
 catcattgca tgcattgtcat gaggagangg anatgtatnt tnttaggang ggggattgga 780
 gaaatggagt tgggggttaa gttgcattgg ataccaccgn acatatgnta accttttaaa 840
 aaaagtgtct cngtgggcnt gcnacaaana gaaagcnatt gaaccctgta aaggatgggc 900
 ncaaaaanccn ttcgggaatt ncttcgaaa 930

<210> 2415
 <211> 723
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(723)
 <223> n = A,T,C or G

<400> 2415
 agaccctttc aaccccagtc cagaagtcct catgtctggc ttaacagccc atgaactagc 60
 agacggcaca cgcacaacag aatgtcacct atgcgataaa atcgttcgtc taaaagacat 120
 ggagacacat ctcaaacatc acgaactcga caaagtatcc cgtctcacac caccaatatg 180
 tcgcaacgca aactgcggta gaacaatggt tggcgtcgga tcaagaggtc aagtccgtca 240
 atccccatcc gaagatcaag cctccaacga cattggtcct tgttcaattt gtttcggacc 300
 attatacgtc agtatgcacg atcccgaagg caaagccctc aaacgcccga tcgaaagacg 360
 ttatctaggt caactcatga ctggttggtg aaaggcacac tgcgcgaatg agtgggtgta 420
 gacagggcgc gtgaatgcan gtcttgaacc caaaccttcg agtgcgangg angtgttgcc 480
 gttggtgaac ccgttgctgg gtgatgntat ggatatgaac caaggtgttg tatttttgca 540
 cngatgaagg ggagtcaaaa gggggaagaa attgggcccga aatgatggct nantgaaggg 600
 anttttgga tgttgaatgg ngcattgttt cttgcggaaa ctgaaaaagg ggnntttgga 660
 ttaggatgag gggactggtt tgcnaggcct tgggcccccc anaaagttna aagggttttt 720
 gtg 723

<210> 2416
 <211> 255
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(255)

<223> n = A,T,C or G

<400> 2416

nctttgttnc	ctnactcttg	ctcaatatta	tttctcccca	nttacaacaa	cctgggcacc	60
anacacgggtg	ttaacctcaa	gggaaaaaga	acccttatca	cccttgngtc	ctntaatgat	120
gtcataancg	gtccttcctc	atgcgtaatn	gaaaatactn	gcccttgaag	cttgngaacc	180
cgaaataaac	tgtgttacag	aatccctcca	ggatggggat	aaaccagctt	gccgggtccg	240
tgacnattgg	ncttt					255

<210> 2417

<211> 551

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(551)

<223> n = A,T,C or G

<400> 2417

catccagcgc	tccactgtat	aaacacttac	aacctctcac	tttcttgata	taattgaacc	60
tcataaacia	tccaaciaac	tcgagacaat	tcccagtgag	agcctttata	tctcagctgg	120
tatctgcaaa	acacacattc	actcaattca	ctgagtgaag	gcatatacaa	cacaagccaa	180
accacattat	gcttaagcgg	ttcccgcgct	ttatcatcac	acgtctaaac	aactaccacc	240
gccacacacc	atcagccttt	cgcttttcta	gcacaatgtc	caaggacgat	cagcagcagc	300
ctgcgccaggc	agagaccaat	ggcaacaaga	acccctccca	ctaccagccc	caggctcaga	360
caccgccgcc	tctaacagca	gggggggatgg	cgtgacngac	tacntttgga	aatctgtcca	420
ctcgantcca	tggggccctc	gtggtcacag	aaanggaaca	tggttggaat	ggaaactggg	480
cgggcttaac	gaacataaaa	ggccaaactt	gaggttnttg	gnaaaaagaa	caagaacgaa	540
ggattttctta	a					551

<210> 2418

<211> 628

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 2418

cacaaaaaaa	cctatacctt	ttcaccagtg	caccattttt	ctttttttta	aacttcgata	60
cccttcagggt	ggattgtgat	gaccacacct	accaaccact	acgacgcggg	gatcagctta	120
ccactacgaa	aaccgttccg	catgagccct	taactcgaaa	cgttcattta	ccatgctctt	180
ccttcacat	gttgagacga	cgatgcgata	tccgccttgc	tcttcattat	agacttgctg	240
gtcggtaggc	ttcccaagcc	cagcccggcc	ctacatcatt	ttcccattac	gcctaacgcc	300
tccacgggggt	agagccccca	cgtacctttt	actcattcct	tccggtccat	cctggcgacc	360
tggcccaccc	tttttattaa	tgcttttact	atttcttttc	tcttgncatt	ggttatttga	420
tcttgctcggg	gaggaattgg	actgtgggta	tgtaagaaga	agtgggaagg	gatggcaagg	480
gataaatggg	aaaagtga	acttggcttc	tagacaggcg	tttggggcag	gatagagcac	540
cagactgggg	aaaacgggtt	ctggatgcaa	ggaacatgta	actgggtatt	ggaggatttg	600
ttgggggccc	nnttttgggt	ggtatccn				628

<210> 2419

<211> 194

<212> DNA

<213> *Fusarium venenatum*

<400> 2419
agggtgagaa gatccccact agtgtcaaga gtgccgacgg aaagtctgag gtaggcattt 60
ccagacatgg taccgaggtg ttcagcctga catgggccta aatcgactgc gatctatcgg 120
tagtgtcaag gtagaggatg tgcaaataaa gagaacaggt acttaataca caacgccgag 180
cctatagttt gatc 194

<210> 2420
<211> 159
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 2420
nttccattgg accgggcttt ttgctgngga tggagggtnt tttatangct cgattgncct 60
atcagccngg tttntaanta ctgggngaca tttcaacgan gtgactgggn aaaccttgcg 120
taccaccta atggctaana cncttctctt tttccaaat 159

<210> 2421
<211> 500
<212> DNA
<213> Fusarium venenatum

<400> 2421
aaacggcccc cctgattcca ttcaacgtga tggcattcct cgtcctccct ctgcgatgaa 60
ttcaggcatc tacaggccag gagacgacct gggtcgtccc atcaacgggt ccaagtctgc 120
catcaagaga ccccttggcc gagacgttaa cgaggaagga ccttccagac cccacctag 180
ccgtggtcct cagtaccaag cgaaggatgc caagcgtcgc cgaacaagtg atgattttgc 240
cgatgagctg gatatggaac agcctcccaa tatcaaggga cctcccgttc gtccatccag 300
cgcttttaag aaggacctgc aggtgaagag cttggccagc ggctacacc aagccagtgc 360
acataacctt ttcaagacca acattgctca aagtcacatg aaggagggta accctatgga 420
catggcgag atccacaagg gaactattcc ctttgctccc aacccaacc ctgcaggacc 480
tgcatacaag acaccgggac 500

<210> 2422
<211> 339
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G

<400> 2422
tcttgcttca cctattttcc ctttccctt cttttctctt tccttttttt gcttttttcc 60
tcctttttcg tgcgactcgg gtttccttgc ccccttttc gctctcttcg tcctttttca 120
acgggaggat tcaactccat ccccccccc cccacttggc aaaacgtcgc ggccaacacc 180
cacaatcatg tcgtcgctcg aagccaanat cgtcgtcctc ggcgctcaag gcgttgggaa 240
nacatccctg gttatganat actgtaaagg cgctttcaac cctgctcana tcacttccac 300
cgtngggcgc agctttnctna caaagcggcc gggtttttc 339

<210> 2423
<211> 606
<212> DNA
<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 2423
 ggaacggccc gtgctacttt cgaattttca tcanaacaaa tggcagacac gccagacaat 60
 gggcaagact cgaattcatt gaggagtgtt ggagggggat ccatagaccg ggctatggca 120
 gcgacaagac tcaccgcctc gtccctcatcc aacattttcca attacgcctc tagcgtctca 180
 agcgacaacc agagccagag tcacgcccac agccagaatc tgacagggag tgggaagcggg 240
 agtgggggtn ttcctggaac ccccgtagag cgacgctcag gtggatggga tcggcaaaact 300
 ctttcccggc cgccgctgca agggtagccac acgatgattc tccaatgaan acttgctctt 360
 atnatcaaac agtctgnggc ctacancgaa ctgtggaana ctttncgatt ttcanatnat 420
 atgttcgctt ataaccatta aaaactgngt cacgctcaaa cgtttttttna atntatggca 480
 aaaattaact aaattttttt tcgttacggc cttttccaaca ccnggaaaac aaatanaaat 540
 gtnttcacnc ctgcntttca tgtttnaagg aaactttttt ttctttaccc anacaaaang 600
 gccttg 606

<210> 2424
 <211> 641
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 2424
 tttatgccgt caaagccggt cttcgccgcc ctctttgctt gtcanaaatt ttcgttcttg 60
 tttcagggat tggcgctcgta tcgtatcgac cggtagtgagg cttcacatga naaccggagg 120
 taggtggggg ctgtaaaaag ccgtcatcgg ccaaaacgtc cgagttcagg ctctttgcc 180
 caccatgtca cgtccactcc cacgctcacg atcccacgga ccaatacgta gcgtattcag 240
 ggtctacatc gaccattgc agcagcgagc agtaacttga tccctttggg gaatttcctt 300
 cctctatgct aagtgcctcc ggtactaaga ctctctgccg cgaccccttg cccgggagtg 360
 gccagacctt gagagtctgc caagaccacc tctcgacgtt ttgttcatgt caatcttatc 420
 tgatcctttt cccaccggca tcgcatcact ttcgtctaata tccgcgcttc gttaccggga 480
 atccctggtt agctctgcat cacattaaaa gaaaaacttt cattttctcc gaccgggcat 540
 taacacttcg ntttgacan gcnaaactgg gggangaatg gagatacaat gctctcaacc 600
 gaaaaaaagc gttcaagtaa aacaacaaat gggccgagaa g 641

<210> 2425
 <211> 296
 <212> DNA
 <213> Fusarium venenatum

<400> 2425
 tacgagcacg agtacaagtt ccggattgcc tcggtcttgc ccaggagggt gtacgagccc 60
 agcacgacgg tgacaatggg agagaaaatc ggaagatcag gaaatttgat tgtggaggac 120
 atctcactgg actcggaaga tgattcagac gacgacgttg atgacgaaga cgaggaggcg 180
 gaggtgtttt aatagaaaaa gccgtgaggc gatgagtagg tcgttgtcta ttacgtagat 240
 tttgtaaaag cgggtccaaga tgccagcttt ttgataagaa gtaaatgcgt ttttgc 296

<210> 2426
 <211> 785
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 2426

gagtcttctgt	cgaacgatag	cagggcctgc	cactcctttg	tttgcggtgc	tagtacatag	60
cagtccactc	cttcaaaacc	aaaactctaa	agccaagact	tccggttgaa	ccgttgatat	120
atctcagcag	ttccctcaaa	atctcatctc	catctgatct	gatttactta	cctaccgcaa	180
catcaattca	agtcgtcctt	ccttcggttc	atccttctgt	cactcctttc	gtcggtgaac	240
gaccaccatt	gttcaaccac	accaaaccac	agctttttct	cgagactcct	tgacggaatc	300
tcaaatacaa	cagtgtctgc	atccgctcat	cagactgggt	ctgaatcaca	tccgatacca	360
acagacaaca	cactaaagtt	caccaaattt	ccactcgtgc	ctcttcaccg	atcatcatga	420
agacatcttt	gtttatggtc	ggcgctagcg	ccattctggc	tccgggcagt	cccattggaa	480
acgcttttca	ggagcgtgcc	atggagacca	aatgggtcta	cgaagggtgt	cactgggtgt	540
gtcactgaag	gtgctgagcc	caagaagggt	ntnacaccgc	cctgnctacg	aggccccag	600
gctcccaagg	tcanccagga	agtgtcaagg	ncgtcaagga	gcagcccgt	tctggctctg	660
ttgttgtcaa	gggggaggct	tctggttttg	tcgtcaanga	ggaacctgct	nagcctnaaa	720
gtcgcaactgt	ctgggtcgac	cttaacctac	cttcaagggt	gtcaaaggag	tcagcgagga	780
gaaag						785

<210> 2427

<211> 549

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(549)

<223> n = A,T,C or G

<400> 2427

caacctagtt	caacaactac	aatgcanaaa	ctctttcatc	tcttcgctgg	agccatcttg	60
gccactacca	ctcccgttca	agccttttccg	tccttggggcg	gactcagccc	ccgagacgtn	120
tttgttccct	cgacaacatg	caaagatttt	gtcgttggaa	atgacttgaa	gttttacggc	180
caggtctgtg	tcggcatatc	tgacggcatg	gtgaccgtga	cctaccgggt	tttgacaacc	240
ggcacatact	ccgacatcca	tgtctacatc	ggcacaacca	tgcccaccga	aacctcccct	300
ggccagctcc	catacactct	cggaataaaa	gcctgctccc	tttccacana	caaaaacttcc	360
gctaacttgc	gaatccctgt	ccaanactcg	nggcgtgcgt	gcgatatgaa	gctntacatt	420
gctacacatg	cctttttcac	cggaaggaca	gggtggggaa	caggtccttg	ttccggaaat	480
taaacgggac	tgngcaaaat	ttggntttta	anaccaatgc	cgggcccagg	gntatnaatt	540
tnaaccat						549

<210> 2428

<211> 103

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(103)

<223> n = A,T,C or G

<400> 2428

ntctcttnaa	tnaattatac	tcctntntca	tcatttcttc	tatatcttct	aaactctctc	60
attaaatcaa	antcnattct	ttccctcttn	tnccctact	aaa		103

<210> 2429

<211> 474

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 2429
 nccccaancc caaagggtan ccntgaaaaa tggcnntatg aaatntgggt tttttccgac 60
 naccgcgttg tctacnccat tcatggaggg tcccatggcc ggccgaataa ctaccagacc 120
 gtcgctacca tgggtgtccg tccagaaaag ttttgnagat cactggctan aaaagctgga 180
 ccattgttcc tgggtgtacac atcnccaata aancatngcg gatgctaggn ttttcaaggc 240
 catgggacat gcgangatgc cacgnggata acgaaacctt aaagaattca atagatggaa 300
 gagcttnttt cttggaaagc agacagagan gttatctgac ggacangcca tatnttgagg 360
 tttttagggca nggtgacttg aanccatnac gagtcggatc cacatttgat tctccttgga 420
 ttttntaatg gtcanagaat tgaccaaacg ttttttngac gggaactgaa taat 474

<210> 2430
 <211> 285
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 2430
 tcgtgaagct ttctcccttt gcccccaagt ttagccctat cagggtccagt ttaaaacggt 60
 tttacattgg tgcattaaac ggagaaactt gtcttgtttc cagttgatta ttagtgatca 120
 aatctttaga gngatcgaga atgctacagt agcacagcat aaacttgacg ggctttgaaa 180
 ctactttctaa ttaaaaccta tacatctcga tgtttgacaa gccctttctg gcaacggaaa 240
 ncttggaagc agatagataa atcccaccaa tgtttcttct tatcc 285

<210> 2431
 <211> 205
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(205)
 <223> n = A,T,C or G

<400> 2431
 aaaggattct gctaccgcca cagtatctgg ccgagcaaca caggaagatg tcctccgaaa 60
 tgtcgatgct atgatcacc gaatgcgtgg cctgaagcgt aagctcatta caagtgtgtc 120
 tgaggaaagc tcttttgcac acccaaactg ngggccggat cgccaactng acgaactaaa 180
 caaaaangga ttncggggga agaag 205

<210> 2432
 <211> 437
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 2432
 agttcctctc gttggccccg atggtcaaac ccagggttacc agcgttgaaa gctctcacca 60

acggccatgc	tgagaaatcc	taccccactt	gccaacggtg	tgcattgctga	ggcatctcag	120
gtcactgagt	cttgaccttc	tttgcaaaat	agagacntcg	cttatgatgg	ggatacgggg	180
cctgcatttc	cctgtgatgt	agtatgaggc	atatcccaga	nagttttccc	cacaccttga	240
tctgggtcga	tacgaattta	cgcgtcccag	attttaaaat	gttttttatg	atttcatttt	300
tttttcgctt	ccaacccatc	attggccacg	acctctgtca	attgcgtttg	ggtttttttg	360
tttggttctt	tttgggaagg	ggttcacgaa	cccacaacac	ctggttgat	ctattacttg	420
acggggtctt	ctaccaa					437

<210> 2433

<211> 423

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(423)

<223> n = A,T,C or G

<400> 2433

attgaccaat	cgactactcg	ttgactcaag	ctctcagaca	atatgcgtct	cagccttctc	60
cccttgatcg	cctttgttgg	ctgtgctttc	gcattctggag	atacaatctc	tacagccatc	120
gacaacatct	ccaatgccac	tttggctctg	gacaagtccg	tgacaaactg	gcctcagaca	180
cttgctggag	cactccccat	taccacaaaa	tcaacattgc	tgctcactgc	gatccacgac	240
ggtactcttg	ccgttcgcaa	gtctgaggct	tttatccgtc	gacgagactt	ttcaagttn	300
ccaagggcca	cttcaagaag	ttggacccaa	agaacgtcaa	ggcgccacaa	atcggaatac	360
catttattgg	ccggccaagg	ccccaaagtt	ttcgaacnaa	aactggatgg	gncaagcccc	420
ttg						423

<210> 2434

<211> 563

<212> DNA

<213> Fusarium venenatum

<400> 2434

aaattttctt	tcaactcacc	tgatataatg	agtgaatggt	attattacac	atgttcttcc	60
ccacgagaac	ccgcggttgc	gggggagaaa	gctcgtagca	gcgaatctat	tcccgtgcc	120
ttcccagctc	atcgtagctc	atgtcgttgc	aattaacacc	atatatagtg	cagggtcgtt	180
ttgaggctct	caacatgtcg	tatccaacat	caccaatggt	gagttgcatc	tccgctcaac	240
gtcgccacgt	gtaacatagg	tatcgtagca	tttattctca	ctgataacta	agaacactcg	300
acgtatttat	tcacccacct	ctcagtcatt	ttattcattg	atatcattca	tcatggccac	360
gaaactagca	aaagacatca	ccctcaagag	ctcatccact	actatgccaa	aactcatcta	420
cggtcagcat	ggaagaagga	agagtcagct	gaccttgctc	tactgctctg	cgatatgggt	480
tccgcggggg	cgacacagct	ggccagccca	agcattacaa	cgaagaagg	gtaggggcaag	540
gtgtacaaag	agctatcaga	gac				563

<210> 2435

<211> 625

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 2435

tttttagttgc	caaacttacc	acagtcgctc	attaagatgg	ttcaactcaa	catgatcgta	60
ggctctcttg	gccttttctg	tcttgagagc	agcgtcggac	catgccgtcc	caccgatacg	120
actaccactg	tcataactga	cttgaccacc	gcaaccgcga	cagcaacaac	tgccccgctc	180
acaacaagca	gtgctgtccc	ggaaggagaa	ccagcatgca	gtatcgaaag	tccacaatat	240

ggccctactg	gtgaatacga	ggattactgc	gacagcttca	acggcagtag	aacacccatc	300
gggggcatat	tacctctcca	attctctctc	tgaatgcctg	gatcactgcg	acaaagctcg	360
cctggttgtg	tgggcgtaaa	ctacatcacg	accaatgtac	ctaattgcac	catctgggct	420
tcacgctgga	agatttgggt	aactgaacgg	tgcatcttag	gcgaaacgcg	tcgttgcaac	480
gactctggaa	cccactgcgc	cttgatgang	angatgangt	aatttttcng	gtgccaactt	540
atcacnggca	cgaaaaaaat	gctncattta	caaggactgg	atatctgggt	ttcataatct	600
gcacatcaat	atgcacaacg	aaccn				625

<210> 2436

<211> 382

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(382)

<223> n = A,T,C or G

<400> 2436

tggcgagaac	caattcgcaa	ctgggtcaagg	agttttattga	aggctacaag	tcggtatgct	60
catgggtgga	acctacagcc	ggtacgaccg	ctttcgttcg	atttaacatt	aagaatggcg	120
aacctgttaa	cgacgtcaac	ttttgcttgg	acctgtttcg	gaagaacaac	gtgttgcttg	180
tggcgggttc	aaagtgtttc	ggtgacaaca	aggactcaa	aggctatgta	agaatgggat	240
accgtttgtg	agactgatgt	tctggcagag	ggattgaagt	gattgggaac	ctatatcgag	300
ttaaacctgt	tgtaactaga	ctaataagtg	caaaggtcag	tacataggta	gcaaagtaac	360
ttagtaccca	tattgcgcn	aa				382

<210> 2437

<211> 649

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 2437

gtaggccctt	tgggccacac	agaagaactg	ccaccttaca	caagataccc	agacaacgcc	60
tatgtgcccc	ggccaaccgc	acaagcacct	gtttccccag	tatctcctgt	gtcggaaacca	120
tcctccccc	ttagagaagg	accagttgct	caaatacccg	gtgccggtgg	aattggaatc	180
gcaactcgcg	accccagatt	ctcttcgact	gatgacgacc	tggctttgcc	gaggacccgg	240
ccttctgtga	gaagcgccaa	ctcttcagac	aacaagttna	catgacatca	atagtgtctg	300
cgctggactt	tctgagaaac	ctcccgtcaa	caaattggcaa	cggcgggcta	agaagaagct	360
atgcgggata	cgtgccttac	tgggccatat	gtctcctgnt	tgggtggctta	ttctgatggg	420
tattattaag	ggtgctgnga	ttgggacgat	gctactaaaa	atnaaccact	tcgcccctga	480
cgttgacgat	aacaaatttt	atancttcta	cttcaacaac	atattaacct	tgaaattttg	540
aaattatacc	ttagcgattt	accacccatg	ggaaacaagg	ccgtttttggc	ctttccaaca	600
ttgaccctta	gccccaaagg	atataagggn	ttggttttta	tgaacaac		649

<210> 2438

<211> 504

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(504)

<223> n = A,T,C or G


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<400> 2441
ccccaaactgg gttggaggcc acgcgcagag acttagggat gggctaaatg gtaacgcccc      60
agttcaagcc gctacccatg aggccaaaca catctcagcg acaccgttcg atcttttcagc      120
gcaaaacttc ctttatcccg gtcagggccc tttgggtcca tcaacgcccc cagtcgtaga      180
caacgctgtc gccaatatgg atgtcagcct cttcgaagac tggaaaccatc aaggcaacga      240
gatgtgggat cttcctcctg ggccggcctt cttccagaat gttgagaatc cctccgttgc      300
aatgggtccc gagggcggtta atgtcggcgg cctcgatctc ctcgagtaca tggccatgga      360
tcctttctcag ttccctggat tagatccctc ttctcgcctt ccgacaagcc acgcttaatt      420
aaactgtctt ggtcctttca tcatcgattt gggcctaaaag tcttcggttg cacataatta      480
tcaacataca cgacagatat gctgacctca ggtgacggct atctgggtat ggttttcttt      540
cggttttacaa ggtgatctac ggttggaac cactggcaga aacccatgaa gacaatgact      600
acaacangga ngggggatta tctgaacgtc aatgcacccg tttttggaaa cagaaatggg      660
ggcatagtga aagaacgacc atacacttgt tgcagcggta gcagtgagga gtttgcgaa      720
tggcaaaaag ccacggcaaa aataacagaa catattcagg gcgttggtta catactatct      780
agctttctatt tggagggcga catggaaaca tcatacacaag ttcggatttg ggtttgaagt      840
tcagttgcat agtctgcagg atcgacaatg gcagaatcat tatgatgata cgaaagatta      900
gaaaagtcct ataaaaatat aaaaactcta agaac      935

```

<210> 2442

<211> 466

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

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<400> 2442
ntttcacaca atgtctgata ttatcgccct gntgggtccct acggcacgta actntctggc      60
cganaaaaca gccacacctc cctccaacat ntttcgcacc gtccaaatat catcctctcc      120
aacactctcc tcacgcctcc caaatctcct ggctagtcgc ccaacccgtg ccatcaagct      180
atnattogac tcacccccca agcggccggg cctcttcggt ntgggctctg acccttcac      240
gtgcgacatc atncttccca ccattgccgg catcgacgca cggcactgcg agttgagctt      300
cgatgctgag ggacgtcttg tgetcaacga ctattcacag gctggtacct aggtctggta      360
tgactgggan aacaacggcg accaaaaccg actattngtg gatcttgagc ccgggcgcgg      420
aacatggggt tncgaatatg gngcagccca tcacgggtga tattca      466

```

<210> 2443

<211> 350

<212> DNA

<213> *Fusarium venenatum*

```

<400> 2443
ctcttttgaa ttcagggctc gacctcgga atgggtggtat gtgtgtctgc ataactctgt      60
aatgactatg gcggttaagg gattgagaag ttgaggggtt tggcgttacg gaatgggtctg      120
ggttcaatcg gctggcgaga atttgaaaag tagcaaccag ggccacaaga ggaggggtat      180
gattttgtatt cgaatgtgtt taggcccctt aagggtcgat tgtacgccgt actatttatg      240
catctctggt cgtgggttgg gggctttttc tgggataaca aaaaaggagg atgactagat      300
atcaggttag ccagtatgaa atattataat cattatctta aaaaaaaaaa      350

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<210> 2444

<211> 350

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(350)

<223> n = A,T,C or G

<400> 2444
acaattttccc gttgttgctc agtctcacat ccgactgcgg gagagcatta tcaacagcgc 60
cagcttttgcc aaggcgcatc cacaagttgg tgtaaatac gtcgatgaga aggtaacaga 120
cgcgagagag gcagttgagg gctgggttca gaagggcaaa taaagggttt aaaaaagcaa 180
gctgagaaga gatgtactat cacatagagt tccgaacact gttcatttgt atcaatagcc 240
ggccccgctt agagccggct accggagcgc tgtatgtatt ttgaataagc aggttttttg 300
tgtaaaatac cacaccattg cctgctattt attgtttaan aaaaaanaaa 350

<210> 2445

<211> 331

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(331)

<223> n = A,T,C or G

<400> 2445
cgaagccgca atatcttaat gatgacgatg tgctgtcaac tttggtgcag ggggaggatg 60
attacctcgg ccttgatcac gtagatagaa caaagacact gaggaacggc gttggggacc 120
tattccttcg ataaaagggtg ctacgagagg aggactttgt cggtcnaagc atgtaaagtt 180
tgaaggcaat atgtgtcgtt aacgatatga cagacacgag tatacatcat ttgcctatgg 240
tgcgagggtg ccaaaagcac catacatnaa ngaagttcag catcggcngt tateccttga 300
tcggcgaaacg cgtagttgna aagagaataa a 331

<210> 2446

<211> 558

<212> DNA

<213> *Fusarium venenatum*

<400> 2446
attcaaaatg tggagcaatc ccaaccccc caaagacata gcaccatcac gacacccctt 60
ccccagagc agttttttacc cgactgtcgt ttaccccccc atccccatga tatcacaccc 120
ataccgcgtc tttttaatgt atctggaagg ttataagagg gaaatcatac tccctcaaaa 180
tacaggccct atggtagctt gaaagctcca gcctgagtga agaagtgagg cgagagcgga 240
gtcagtggag gcgtctggct tctcggtcac aaatgcagaa gctacaaacc gacgagttta 300
cgtgtgtacg caggagacat catgatgggt ggtgttcagg cacatgggac tcgcgcagga 360
ctatcgccaa agctcaaggc agcgtcaatt gaggacgggg tgcccttggga agcctatgct 420
agtgcacatc gacttctgag atggtgaagc tcgaaattac ggaatttact gccaaagtgg 480
ggtgaatctg gttcaaaaat agccaggaac cgtaatcaaa gttgtaaaaa aaaagaataa 540
caggagtggg tgccccctc 558

<210> 2447

<211> 487

<212> DNA

<213> *Fusarium venenatum*

<400> 2447
gaattttttt tttttttttt ttaacgatga aagacctttt ggtcgattgt gaaagggcag 60
ctaaactcgc ttgccattta gtgtacaagc ctgtgtataa aacatgttcc tagtgaacgc 120
cttgattatc ccataaacca tgatattccc tcgtgtcaaa gcaaaaaatt cgttatcctt 180
ccatcacccc aagcgcttag ttgcgctcgc ctcgaggcgc gcgggcaagc tggatatcct 240
tgctctgaat tatttatgtg gttgcgctcc ctatcgacgg tgccaacatt acagttgctg 300
gtgagagcag caggttcgtc tttcaggaca tcaactgaaga ggtggatttt atgatctccc 360
ccgagagcaa ggacgaagcg catgaggaaa tttaaaaggc ccaacagtaa gagggtgggt 420
tttatgtcac atgaaatatc actatataat tacatcccaa ccaatatgca gttattatgt 480
attgctg 487

<210> 2448
 <211> 347
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(347)
 <223> n = A,T,C or G

<400> 2448	
caagacaaac cacaggtaga gagccaacac tgggcttccc tttcttccat acttggttgt	60
ctttgtctct tttccggcat aattttgcgg gttcgcgggc tggtcggttt gccagggagt	120
tagggcgcat gggaaaaatg aactgtggtt ccgtngctgn gtgcgtgcgt acgtacgtac	180
atgcttgaca aagaacaaca aactttacgt ggtgtcgcgt tcggtgcttg gagaatctct	240
gtccgagttg agctagatag tagatatcac ggcgcttct tgaaaagtac tagaaagggg	300
ctgccaactt ttttcttct ttttaacaga tcatgattta tgaaata	347

<210> 2449
 <211> 102
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(102)
 <223> n = A,T,C or G

<400> 2449	
ntngttgggc atantaaaaa agcattattg gatnggcttt ngaaaaaaa aaaataattg	60
ctgngtccgn cctnttacta taagggccna atngcctaaa gg	102

<210> 2450
 <211> 542
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

<400> 2450	
tttttttttt ttttgnnaaa caaaaatnaa tccccttggc cggaaattcc aaaaaaaca	60
ctaaaacgat aactacatat acaacccaaa gataatctta caacttggcg ttggggaagt	120
tcctcatagc ctgtctcaca ccaagatntc ccaagacctc ctcggcacca ccgagaatgg	180
atcaaacttg taggttctgt ggaacatctc gatgaacttg cccataccgg tctgggggat	240
tccacgacca cccaagattg gcaccgactc gtcggcgacc tcgtaaccgg cacgggttgc	300
gctcatctta agaaggccca ataggaccgc caaggtcctg ggcttgctgg ctgtagggca	360
tgtggcacat ttaatatgtc acggtttcga gccagaact ggtgggcttc gacgangggc	420
atcatcctga caagtttttg tcgatgacgg gctggcaatt agcgactgcc aaatacttga	480
cntggttggc cacttgagan atcctcgaca agcttcttga aagacgaana ctcanaacat	540
gg	542

<210> 2451
 <211> 387
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 2451
 gtgacnaggt tngttganag tgagtgantg agtganagtg agtgggtgagg taagatgaga 60
 cgatgttttaa aagctgntgc ggtccacntc anatcgagtg ttctcnaggt cttccttgtg 120
 aaagacaatn ccacnacgct tncatcctnc gcgtcggata aagttgtcna cgctgtcnag 180
 anatcgcata ggangtcgct tgggtgcaag accaggctcg gtagtatact ttgacggtag 240
 acttgcgctt attacgaana gatgtgatgg ccctttttct tgtagtctgc gtataatgcg 300
 tgcctagggg tagaagccga ggttgacata caaatacttt tttactttnc gcttagaatt 360
 gttnaaatca aacgagttga tgaccaa 387

<210> 2452
 <211> 1005
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1005)
 <223> n = A,T,C or G

<400> 2452
 gtcttctcca agccaggagc gccgaaacct ggccgaagca ctgcgcagcga tgcgatcaaa 60
 caaacagaac gatgcagccg atgtttacac gcgatctctc ntttgggacc agatcccaa 120
 cgatgtcgtg cgcaacttcg cnaaaatggg gtccgaatgc aacagcgcag aatgagcagc 180
 aatgcaatga aatgagaaca tgaacgacga aacgaatcca agactgaaaa gaatatcgca 240
 acgacgaatt cacggnnttc atagccccc actgatctac atcaaccccc atttcctttg 300
 tacatTTTTT cttttgtcct acctttcctt gaagtcggct tttttccttc ctctataccg 360
 gggatgagct gccatatact cgatgtcgct ctgcgcgact tcagacatgt tgctcacgca 420
 cccaaacgga tgggtcttctg tcttccagtt gggttttctt gngtttttcc tatttcggag 480
 tcgtttttga tttcctatgg atctagcaag cgagcgtgca ttgatttggt ttggggngat 540
 tttggcttgn ctcgaaattg gatacctntt tttntttggg taaaggcatg gttggnggtg 600
 gatgtggtgg cacttngggg tcnaaagcan cgggnaaaca gaagcccgcga gaaagcaatc 660
 agactctatg agggcccagc ccacagagc ctgtatatta tcacggngca tgaaggagag 720
 caggatggtt attncctttt ngggttttct tttttgttat ggagatggaa attggcatac 780
 gtcgagagac gacaatgact ggaatggtca atgatgacaa aaaaacgagc tcgcggngat 840
 cattttattt tttatttttg aatttatctg attctcttta ncaacctcca tttccaggng 900
 gtctggtctg ttggaccata tttatgatga catggatgat attgagatag tatttacnnc 960
 gggaatatTT gaaccgaaa aaatttgatt tctctcatat cggat 1005

<210> 2453
 <211> 468
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 2453
 tttttctcct ttcatatcac tcggttccca cttccttacc cgcattgcat attttgaccg 60
 ttgtccaaat gaattattga aacatcagtc gataatagga actatatcat cttgcgagtt 120
 gaagtttggg tcagctatta ttatcctgtc ttcaaaacgc ccgactacac aatagtcttc 180
 ctaccctgcc tactgtggac ttgaaccctg atctgcttga gtggagaggg accactgaat 240
 tacatTTTtac gaatatctgc gaaaacctgg ggaagttgaa actgcgcgtt cggatacgcg 300
 gagttaccca aaacggaatt tccaaagctn cttcaaaatg agcaaagacg accagactca 360

tccagagtcc cataatcaac accatcccct cacgcgtgaa ccgacacgag aaganaagac	420
ccgggaggcc atagccgagg gccacgatgc cgacatcccc agcaacat	468

<210> 2454
 <211> 751
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(751)
 <223> n = A,T,C or G

<400> 2454							
cacaagtcca ccaacaccga gtttcagtct tatcagcgcg tctgactcgg acggccttgaa	60						
cgatcgagaa ggtagtttct ggaatctaag cagatggaga agtaccgctc agagcaaccg	120						
tcactcttcc gtgttgtcga gtcccaacgg atctccgaac ccggggccaaa gtcgtccagg	180						
gagcgacttc ctacgcgtca aggaccgggc atcccaaagg atgagtctgg gtatgaatga	240						
ctcaaagcct agtcgcgagg aggtaaccaa ccgacggaga tcagcagggc ctcggttgac	300						
atcgagattg tcggtgcagg gcgatagcaa aagtttggtt gaagaggaag tgcatacacc	360						
cgagcgata accccgacta agaagcgggt ggattctggc gttggacgta taagtgcga	420						
gtcggcgact tctattcagc cataacattg aatgatgggt tggagttggt tgatattaac	480						
agtatacaaa ggggttggtt gtttttggtt gttagtctat tttaggctca ggccgtatac	540						
catttgaggaga gggtctctgat ggagtatcgg tgcgcaacac atggtaccat agcacactg	600						
gttttttttt tttttttcga agaggagcaa canaaaattnt ggtaggagg aggattgaaa	660						
aaggtggttg ataagaggac ttctncagaa ngcgagaang agtatgatga ccggtatgag	720						
atccgagatt ccagcaaaaa gatacgttct c	751						

<210> 2455
 <211> 569
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 2455							
aaaacatctg atcttttcaag tatcacccaa ctttcttgat cagtagcaaa caatcactac	60						
caactatcaa tcattcttct cgactaaaca caacaaaaat cattcacaat gtcgtccact	120						
gagggcatga tcaacggcgg aagctcatcc gcaaaggctc ccgctcccgc ctacgctccc	180						
gagcatacgc atgcacctac cgaaggcaat ggaggtttcg tttctcagaa caagatgtcc	240						
gtcgagccgc ccaagaagga agatctccag cgcaagtatg cgactgttgt tgaacacgag	300						
gccggtacca acgactggta cggaggcatg atgaacgttc tcggagggtat cgtcgggaacc	360						
atgggtgcta ttccctgctg catcatttgt cccaaccctt acaaggaatc caccagggca	420						
acgttgggct cgtcaccaag ttcggaaaat tctacaaggc tgttgacccc ggtctgggtca	480						
agatcaacct ctacgcgana aacttctcca gatcgatgtc aagatcagaa caccgaantc	540						
ccagaacana ttgcatgacc aaggacatg	569						

<210> 2456
 <211> 677
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(677)
 <223> n = A,T,C or G

<400> 2456
angtaaggca ntggagntga tgggtgcatgc nanaagaact ccgagcggtt gattgctcac 60
ttcatcttca ctatctacta tcctgatatg tcctcagcaa caatcacang tctgaccact 120
gatatgtatg caaacatgag gctcttcagg ccaagagtaa tcgcatccgg cccaaggtag 180
atctatcatc atggcaacat caagattgca atgcacgaag agaacgttga aacagtcaag 240
gaacagataa ctgcaatcag tgtgtttcca gacacctgag gttttttgaa caaccagaaa 300
cgctatattg gtataaacat tctatatata ggatctcaag tatgcgatta ttgatcccta 360
attactccag ctgttccaag actagcttca aacaaaaatca tgatattcgt gtcacatttt 420
gacgtcgcac aatctctcca aattaagcca tgatataggc aaggccaatg gcagcaacaa 480
caccagcgaa gggagctccg agagtaccag ctgcatgtgc ggaaacctcc ttgctgcccg 540
aagacttgcc agagtccttg tagtcactat catctgcgtc ggnatcatca agagtcaaca 600
agcttgncac caaangcttt tctggccagg ggtaacaccg gancttcagn tnttatgcc 660
nctccttgn gtcggga 677

<210> 2457

<211> 770

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(770)

<223> n = A,T,C or G

<400> 2457
cttcatatgt agggttcaat tcagcctacg gctcatgcac agccacgcac agccacatac 60
tgtctgcaa ctcaaacct ctctccactt agctgcaaac tcattctcca tcacggatcc 120
ctccccctgc ctagccgccg ccattggttg acttggtcgc gactacacaa gccaagccaa 180
gatggggaac gggaacaaac aaaccagctt ccggacacgc cttggttggt cttgaacact 240
tcgtcatccc ttcaaaccat cctgaatcat attcatcctg cttcctcatc ccacctatat 300
atacaactat ctctccctct ccgcagttct tccttcctcg aaatacgcca ttcattgagt 360
tcccaccgct ctttgtaaac acgaaacaat gccttttgc gcaaatactc ccgagtctta 420
tctcggctga tccgattcaa aactcactga aggaacatgc cgtggttga catccaacgg 480
aaaaccatgt cgccgccag tcgttcaaca aaaccgccg caaagaccg acaggcgcaa 540
acgtccgtga cccctgatcc acgccaatga aaagtctcta ctggtgggca gcatcgta 600
caaagccaac atctcagcac aatctanccc tgggcccgcga cccaatgcga caccaatctt 660
tggaangncg tacgagcttg gatacgttga cngatagaat tgggaatggn gggntgaac 720
gaaaaagaaa catgggaacn ggagaatgga tgggtcgnaa ccacaatcga 770

<210> 2458

<211> 276

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(276)

<223> n = A,T,C or G

<400> 2458
nggagttaa gggttacct tttaaaaaa nacccttntc ctttntttgg ggatntccan 60
agggatnttt ttgaccccc cgggccancg gatggggatn cccctggcca gggccnttt 120
gttgaaaaaa aaagtttccg ggaacttttc cccgggggga aanttngggg anaaaaaccg 180
gcccttnana cccccattt ggcccnnggc cgggctcgtt tttggggnaa aaangggtag 240
tttccccccc ggnaaangaa ttaaaacccc cttaac 276

<210> 2459

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 2459
 gacgtagtct ctgcttacac acacatgaca gcaggcctaa aaacttacgc taacttggtta 60
 ttggttgatta tatttacagg ggacagggct tgatgcactg gccacgcggg agctggggag 120
 ctctctccac taactcgaaa agatttcggc gctgaagggt tcagatcttg gatcgtgtat 180
 gggacgggag tatgaacaat gaacaagtcc aaggcgatcc cgattctttc ctggcaattt 240
 ttgctgggta gtctgtgcag cagcagagtt atcttcggta caggacaact tgtagtacta 300
 agactgctgc tgccaatgtc acacggatct accagcccat ctctgtgtaag ccaatatcca 360
 aaaggatgta ttactgataa tcgattcgtc cacaggtaac cctgggtctat agctcaataa 420
 ttcccaaacg agattaccgc acgaacatgt cagcaatgtc tttccaagtc gagtctctgt 480
 ggcgtttatt ctctttccaa aaatgaaaaan gatgcgcacc tcaactaccc ttcgggtccaa 540
 ccatttcgaa ccaagacatg cagantccat cgtcaagtcg aaaaatgca 589

<210> 2460
 <211> 594
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 2460
 ttcaagcaac aacagcagag acaacaacgt catgagcagg aatggaatcg cccccggacg 60
 cagccctgac aatttcgctc actagcgtat gtgcagccct catcgtcgcc cgctgcatct 120
 accgactggg gtttcgatgt cacatccacg caacatgcc tctgctgctgg cgcacgacg 180
 acttttataat gaccatagcc attctacctc tgatcggtcg cgccttgtgt attctgtttt 240
 cgtttctacct taaccgggga ccacacgtat gatccagcga cgcaagctga ggcagatggc 300
 tgggatggtt gtgtgcaaga tttgaatagc gagagggagc tttctcaciaa gttactcatc 360
 cctgcacgaa tcttttatgc attattttta tgggtgcttga aacttggggac tgctggcctt 420
 ttattccgcg ttcacgatg tctttcgttg gggcaagtnb gttacagatg cgctttgggtg 480
 gttcatcatg gccacatttg tgcagctctt tataacaatc ctggcagaat gccgccact 540
 atctctaatg tgggcgctca attatgatgc tagcaaagtt gcatgcaccg cgcc 594

<210> 2461
 <211> 290
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 2461
 aaaaaagtaa aagttgagtt tgggtgatggc tctgattgaa tgctgtccaa gtgcttgaca 60
 catgctaatac gtacgtttta attgataaat taaaaagtgg tgtacagggt agtataatga 120
 tattcttcgc cggccttaaa gtggaggtaa atccttcata ataattaaag gaaacanggg 180
 ggtgtagtaa gaaaccgcta ataaatgggt cgggctctag tgtattagtt gacaatagtt 240
 gagtgaatag agatattcct tgctcttgaa ttgaagtttc ttttgtttcg 290

<210> 2462
 <211> 562
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(562)

<223> n = A,T,C or G

<400> 2462

aaatcantca	agaatgactc	attccaacga	ccagaagatt	gccgagactc	aggccaacct	60
tnctctcccc	gaccagcccc	ccactgcctc	tgactggcaa	gtccgctgac	gcccgtaacg	120
tcaacgttgg	cgccggcaag	gtcgagggtc	cagttggcac	tgatgcccac	gcccagtcgt	180
gtctccgtga	gcccgtacc	aagggcgagg	aggctgactt	gagcaatgtc	ggccgcgagg	240
gtgttcanaa	naaccagcaa	taagtgtgt	gcctgtntgt	acgatgttga	gagaaatgaa	300
aaggaaaggg	gacggagagc	gatattcgag	gagggttaatg	atacctacgt	ataatcaatg	360
aagcgaacta	taagcattga	aaaaaagcca	agacaccaat	gactgccgtg	tcaaccgggt	420
accncattc	nccngaagt	ttttgtgtt	ttgtttgccc	aaccttggt	ttcctttgat	480
accttacc	cgngaatcc	gcgcttaca	atttggacnc	ccgatttttn	tgaacaggct	540
tggaacncca	atggcgatcc	ct				562

<210> 2463

<211> 112

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(112)

<223> n = A,T,C or G

<400> 2463

nccacacng	cataaagccc	gnagccaata	caanggccac	cgacagcatn	caagaccccn	60
gcggnccag	caannagcg	cgacnncgac	cgcaangaca	cacaagcccc	cg	112

<210> 2464

<211> 620

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 2464

ttaaaagaca	ccaagaatca	aggggcgacc	tgtaccacca	gcaatgcaac	acgcgagcgc	60
gcacacagag	gggactggat	cgatatcaag	gggacttctt	tttcttccaa	ttcgagatac	120
ccattgttta	tttccatttg	gaatgacgcg	agcaagcgaa	gccaaagcta	tacggcgaga	180
agaaaggata	gcaacgaacg	aggagaggga	tcgacaggac	acggcgatta	ttattttatc	240
gttctggaat	ttttgtttcg	gagcttggat	atctttttga	cacttttact	ttttctttgt	300
cttctttttt	tgttactttt	gattgggacc	aagcgcgtta	ggataacaaa	aagtgattcg	360
cacttagaac	ggaacagttt	tactacacgg	taattggagg	atctaacgtc	tttaacgttc	420
ctcattgatg	gatgttttgg	aaagcaacgc	ccctcatgca	ctttttat	anatgggtat	480
gaaganggta	ngaagtggg	ggagccaggg	aatatggctg	ggctattggg	tatccatacc	540
actttcaagt	tggtatattat	tttggatcng	ggttttattt	taaatatttt	ggcaaaaaaa	600
atcgcaactt	tatttnccaa					620

<210> 2465

<211> 264

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 2465
 ncgctaanaa catacctaaa atatcacaca gtgtcaccag gaggcctcgc aaggatagtg 60
 cgaacgggat agagcccgga gcgtctcgga ctctgggtag tgtaaactag taattatttc 120
 tttcttcaag catgatgaat ggaaactata cggcaagatg cgtggcgtgc gctcgaatgt 180
 tattaggttg agtctcgagt ggggtgaagag caaacaatga tagaattgtc nctaccctaa 240
 aaaaagaaaa aattcaaaaa aaaa 264

<210> 2466
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 2466
 cgccagcgtn ttaaccgaac ccacctaatac attccgcata cattctcaca cactacacct 60
 gtctcactac caccaccttt aacagcatct tcccatcctc gtctgtctca tcaggtggca 120
 ttgacgtcac cgccggctac tggaccgact acgattcatg attgtgacct tgcaagctga 180
 agaagcacca tcaaagtcgt gcggaaacga ggggtagcac cacattatcc cggggtagga 240
 gaagctagag gcgcatcgat gcatcacctg ctgcggctta tttcacttac tggttcaaac 300
 tgcaactcac acccagcacc cttgggctgg caccatcaa gtcattcttc aaccccgcta 360
 ttatggatcc caaccagcga ttctaccata cttcttgaag agtgnaacgg ttcttcaaga 420
 cctnatcgat ggggtaccgct attgccagtg ttggcggaga gcgccaggag gccattgatc 480
 acatctcggc tagcatcgna aagctacaga acgaggtgcg gatgctgaaa tatactcctt 540
 cctatgatcg aaaccatact cagagctatc aaacttacia gnaaagtgga cgagatntac 600
 tngatgcnc c aagtcgaatt taattcgccg gca 633

<210> 2467
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 2467
 accaagcatc aagcttcctt tctcccgtcg tcaactcgacc tcctcgagct cggcagaatc 60
 tgccacatca tcagcagtga caacgccagc aagttcacc cccaacgatg gcctttaact 120
 aagaaccggc gaaggtcgaa ttaattcgac cttaccaaca cgntgcgtgc ttaacatgct 180
 tcgcaaatct cgcctttgct ccaagtnatc ttcaaaggct tnactggccc atccgnncgg 240
 cgtttnttgg tgcgcgcg cc ntntcctgcc cttaaaacttt gaatacattc ggattggcna 300
 aagtgaataat cgacacttgt acaaggtggc atgggtggtgc anaaattaac tgnngggcat 360
 gcttcancaa acttnggtgg aaatatgtng atgcaaggag caagggcaga aataccaaag 420
 tcggcaaat attctggaaa tggagcnggt cgtgatatat cgaacttgga agacncatcg 480
 atgaacatga agagganaat cccgcgacct ccaanaaagg tggatgaatga aggaaggtga 540
 atttgantct taccatgatg atgaatngg aaggattttt tttgcggcnn ttgggatctt 600
 naatttttgg aaggaggcna aaggaaaatg atg 633

<210> 2468

<211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

```
<400> 2468
catagctggg cctcctatth aactgccaaa aagtgtgtaa gtcgcatcac tccccactgt      60
tacataccga gtccaatccc atccattgca tttgctcttc aacggcgccg ctgtgttggc      120
gacccacttt taccgccgag gattttgtca acaacgtcag taagctctca ctagccacct      180
cgagtgagct tgctggggga gcgattttct ggacaaagtc ttggtccgac gaggatgctc      240
gaaccaggct ggtctatagc ggagacaggg tggacaacat gatagagagc agagtttgtga      300
gaggaagaga gtagtagcga gagaccgaga gaaggtcaga gaagacataa cggccgcgga      360
ggcaccggag agccaccggg caacggagct cctgggaact tgaatcgggc tgaggtgtgc      420
ggtgaacgtc cgthttctga tgggatgata cctatcatct cactggatgg tgcggcgcat      480
cgttcaacag tctcagccca ttcaacagtc ctggagggtc gtggaattct gnatacnngc      540
ccgtgactct cagctgattc gtaacggacg tcgggtctcg ccaattgaga cgcagaatgc      600
tgcaagatga attagaaaaa aaaaaa                                626
```

<210> 2469
 <211> 355
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A,T,C or G

```
<400> 2469
tgccaacgaa atcgacgttt ctaccgtgaa tggatctctc gcagccggta tggtcacttc      60
caacgtcggg gctaagtggg tgggtctcct taagggaagg tccaagggtc cactcgagat      120
gtcctctggc tctgatgggg atgttatcat ggaggagagc aagaacgaca agacgggtgg      180
agcagtgagc acttactcct ctgggggacc tacttggggag atggacntca agccccaatt      240
ggctctcccg gnggaaacat tntttcaact tatcctnttg ccaanggggg gtaccctntt      300
ttttntggaa ntaaaaaggg ttgccccttg gcgcccngta ctattgnntt tattg          355
```

<210> 2470
 <211> 501
 <212> DNA
 <213> Fusarium venenatum

```
<400> 2470
cagaggtagt ttgcctctg tggcaccaga agatatcaat gtcggcatct cattcaatgg      60
cgcaagtgtt atgcccgttc agcccaacga tgtgaacggc acaggcttgg ttggcaagaa      120
gccaagcatg agcaagagag ccgatggagg aatggagttg ctgcatcat acatgctgg      180
tggcaggatc aacgctgaca agatgacggg taatatgact atggacgagc tcgaatccca      240
tctcatgcca attcttacct tcaactgctc caacagcagt ggggctatga ttcggacaaa      300
cgtctcagtc aacgaagccg ccttccttac cgggtgtctt tcccaagaca ttgtcttggg      360
cgactttgcc atggcccaag ccgcagtcga cgaacagatt gccgctctca acaacggcac      420
tgtgccttc atcctgcctg gcgtggactc atggctcttc ccatccgatt gatcatcaca      480
acatatggct gtcctcttg t                                501
```

<210> 2471
 <211> 539
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(539)
 <223> n = A,T,C or G

<400> 2471
 ggtaccaata gacttgtcca tcgcaaagtc atatggagag ctaactgcaa caacaatcag 60
 ttgcttcttc tggcctctag ttgcgagcat ggtacgctcc ctggcacggt gcggaagagc 120
 aaaaaagtgg tcaagtctag gcagcactgg ctggctcgagg agtacagctc cggacgtgac 180
 gcatcgggat tgaatgacct tcttcgggct gtccaccgag caagtgcacc agatctacaa 240
 ttcttacgtg caacaacggc cgctcggtt cagctgaaca accccagcat tgccgagtc 300
 cactttgttg tcagaaacag tagcacaaat gctttgtatg gatcgctgcc atttattatg 360
 ttcattggcgt cggcgctcatg ggtggtgtgt ttgtcaancc accaancgtg attgtctatc 420
 ngaagtctct cncgcagggc aatgaagaac tcctgccact caaagctcaa caagtcanaa 480
 tgnccgcttt ccggaatttc ctnggtaccc ctgaattcag gtaaccata aaaaaggtc 539

<210> 2472
 <211> 522
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(522)
 <223> n = A,T,C or G

<400> 2472
 tagacatttc ctttctcacg agattcccga ttgcacattg actttcacta ttcgactata 60
 cttttctcac ggcgttaaga ttcccacggc tcctcacttt tcttcacacc aggcgacgag 120
 acnaccacca cacgcttggt tcagcctgtg caacgcatgg gtattgtttg atggagtaat 180
 ttgggacagg gtccccggc attcgcattg acagcctcac tttcgggggt tggtttggc 240
 tttgacggag tatcacaaga catggcaaag cattcatcac cttcgcaccc ggcacatacg 300
 ggggatcggc ctttttgaat tggatgggac aagacaagac aaggcctgga ttcgctggca 360
 ctgggggttta tttcatttca ggggggtttt tatgcaaaat ttggtttttt ttgttggcac 420
 agattttatt gctgttgtat ttgactttct ggcgatgat ggcgtttaag gatgaatgaa 480
 tgtttgttgt taattgcctc tctcaattca tattatcact tg 522

<210> 2473
 <211> 104
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(104)
 <223> n = A,T,C or G

<400> 2473
 nctttgggag gatgtatcan ccaaaacaca tccnatggtg agggacanan agccttgggg 60
 aaccaccnctn ttgggggggac ttctgatgng gtgaanagag gttt 104

<210> 2474
 <211> 571
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(571)

<223> n = A, T, C or G

<400>	2474						
cagcttcgac	tccatcaatt	gaccacccgc	agccggtctt	tccaccccgga	ggagctccga		60
tttcgattct	acgaggcatc	tggctctatt	ttcacagtct	caaccgcgcg	aatgtcttct		120
ctcactcgtc	ccatgctccg	ctcacccggt	ctacgtgtcg	ccgcccgaag	cttcgagagc		180
accactgctc	agaagctgct	gagaacgcta	agcaggctgc	caccagagcc	caagaggggtc		240
tatcgcggtg	cacatctact	gctggctctg	ctattgctgg	ttacgcaaa	gggtgtgtcta		300
gcactttggg	caaggtttggc	ggacgaacgg	gcaagatcat	cggctttgtt	gancgacagt		360
cccttcgctc	ctactactcc	aaggtcggct	caactcggca	atttatttcc	agaaccaaaa		420
anganctctc	ccatnngcca	tttccaanca	ctacaaacct	ctcantctca	aaacgcactt		480
atcatctcta	aactctcaca	atnaaantgg	ctccactngt	cggngtnttg	cgtnagtcnc		540
gttctcncgt	gggaatatgg	caatcacttt	g				571

<210> 2475

<211> 475

<212> DNA

<213> Fusarium venenatum

<220>

```
<221> misc_feature
```

$\langle 222 \rangle$ (1) ... (475)

<223> n = A, T, C or G

<400> 2475							
ctcgaaaaga	caagacaatc	agaaccatcg	attaaaattg	caaacatggc	ggccaagact		60
ccactttctc	aggcttccta	tcagcctgtc	ccaagagacg	accctactgc	tgatttgctc		120
ganccctccg	agagagacga	cagagaggat	ggcaagccag	ctctcttgag	ggtcaaattc		180
tccttcattc	tgttgttgag	gttgttgatt	gccccgctcg	tcatcgccga	tattgttttc		240
atgtgcaatc	cctattactc	tcccgctca	gccggnattt	ttgctaccgg	aggcatcttg		300
ttagccttct	ggcatggatt	ccggtgtctng	aagagctgct	tcctagtgg	aagccgcgac		360
aacttcaacc	tcaagatcgg	aagcctgttc	tgcattgtcg	gcacaaccgt	cnaattctcc		420
caccanaccc	tccaaggngn	gggcgtatct	cgtcagcctt	gncgactttt	tctttt		475

<210> 2476

<211> 461

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (461)$

<223> n = A, T, C or G

<400>	2476						
caaagtctct	aaacaacttt	ccaactacta	ccaaatcaca	catttttcgag	taattcctcg		60
tcttcacaac	cgacaacatg	cctttcaccg	ctaggttaca	ttcccggat	tatccacgct		120
ctatacatca	tcctgaagta	ctaagcctta	cgcacttga	cttctcaggg	ctacagcgca		180
tcccaaatgg	cttaatgagt	accccgttc	ccaacaaccg	acaacaactg	gtcagccatc		240
ggttgctctg	gaccaatgca	cattctgtct	gacagccaag	acaccaatga	ctgcggtgtc		300
aaccgggtac	gcgcatcgcg	cggaaatttg	ngtttctgtt	gcgcaacctt	ggcttcgttt		360
gataccttac	gcggttgatn	cgcgcttacg	agtttggaag	cgcattttat	tacangnatt		420
ggacccangc	naaccagttc	ttnttttttt	ggtatattgag	g			461

<210> 2477

<211> 567

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 2477
 attaattctg tcaaacgaag ggaattctcg cgcattgatct cgaactttac agtacttttaa 60
 taatttcac gaaatcttca aatctgctat tgccgtttgga aacgcaaaaa agtgtcgacg 120
 tgcacgattt caactcagag accatcttcg gcactctagc ctctaaacca aggcaaccgt 180
 gattcatgtt gctcgttcat tgaaaacctg ccattctcac acttcaacaa ctaccatctc 240
 taatctcctt gctcatttcc accaggcgca tgacaacgat ataaattatt cagcacgcgc 300
 ctcttcaac catggcagtc caagatgcgg gcggctcaga aaaccaggaa gttgacaagg 360
 cggcgcttct tgatcaaatg gtagctgcgg cttaggaaag cgtgacgcaa agcgaagacc 420
 aagaggagcn gccaaacacc gaaggactca acgaagaaga cccctgcgga atttgactgg 480
 cactgtccga gaccagaatg atctggaacg tgacatcaca ctacaagcca acgctgcctt 540
 gaatgaanct gaagatnaaa aaggacc 567

<210> 2478
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 2478
 cttctaaaca gatggagcag gtttccaaca tcagcaagca atacgtcggc gactacagcg 60
 acaaggtcca gggactcctc caaggcaaga ctcttctcg ccagaagatc gacatgcctc 120
 agaactccaa ctctgctctc cctgccagc agcctcagtt cccctccct cctactgatg 180
 agcccattac gtctgccaac cctcccaaaa ttctactcc cgccggtttg agagaggaga 240
 ttaacgagcc cactggtatt gacactgcag ctctgagct tccccacnaa anatgttggt 300
 cccgccaaag agcccagct tggtttttaa gtgatggaag cagtgcagtt gccacatgta 360
 cttgagctga aaaggggcat agattgcctg aacaataaat atgttttacg gcattttggg 420
 gcgcacgtct ttctttaa atcgggagcaaa ggattttcag attggacagg gcggaatcg 480
 gtttttggga tcattgctca acacgcaata caaacagact ctaattgacg tatgatgaac 540
 gatggtttaa atatggatgg actggacgga tactcntctc ttgaagaggg tctgaaaatt 600
 agcacctcgt cttaatgcgt ttgtggaggg att 633

<210> 2479
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 2479
 cttttcgtc caatggttct ggccgtttga ctgtcgccga tatcgccagc ttgaagatct 60
 agtccgctcc caggaagtac agcccgccat catgcctctt tgccgactca tacnaagccg 120
 cagcgcaaag ggtgacaagc cccggcgcg gcgcaccatg tccatctttg gcaactcgaa 180
 tatccacgcc atagatgctc ttaagggcat ggttcgtttc accaccgccc cgtntccagc 240
 tcacatgcac ggttgggatt cggatacaac gcataaacct ccccgaccg atnaatgctc 300
 cagccagaac tcgaatccac aagcaccaat caccaacatc cccgatattc ataccaccaa 360
 tgagatgggg gaaacctcgc accgtacata tgacgacttg cgaggcttaa aacctcgact 420
 ntaaaaggca aattggtgga atttnttcna aatgttcagg gcgagagtga nagtgcnatc 480
 agcgaacttg tccaagngg attattcact agngnaatta aatacccatg ggattctgac 540
 ttntaatggg aagnttttgc ccntttgccc naaaaaanact tttaaagccc tta 593

<210> 2480
 <211> 376
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 2480
 ggagaacctn gggggttggt caccgaggag catacagaga acatacatca tgaaccata 60
 gatttttttga taaatcgcgga ngggggaaga gtctttgtcg tcacagccac tcctgagacc 120
 cgccattctt tcgatttctt gatgttctcg nggccttggt aggcggttgt agtgggggtg 180
 gctcgctcat attgacgttt aagcggggggg tttgatnttt tggagactgg agatcttcat 240
 aaaaacaccga agtgaggcaa ccataagtgg gtttgggggg agttaactgn gaaaaagttg 300
 gaattggtga atatcttgct tcgctnttgg tcagttgaat cgtgacgtct tcctttctna 360
 gcaattgtgt ctncct 376

<210> 2481
 <211> 546
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2481
 agccgctcta ataccggtgt ctagatgagg tccatacgca tcacgggtgc cgaatttccc 60
 ggtaggcagt gtcaatgtta ttccatgact tccgtgatgg tgctattgcc gtcacattga 120
 ctttcaccct caccctcagc tgcataaggc ttcaattcac tacgactaca agctgaggtc 180
 tttttcttct tccaagtcgg tcagcgacag cagcttccgt ctacaccccc caaataggct 240
 accaataaga caaaaccgct gtatctaacc tgaaataaac aattgtgcc gacgggctac 300
 agccccgatg tcataacgca ccccatcgcc gtacggaagg accttttagc tcgccgaatg 360
 gatgacgttg gctcatgctg caagggttct cttctgcttg tcttaatgct gctgccttga 420
 tgtcacaaa gggttgggtg acaggaacca caccgaaaa tagaacaaga aatgggaaat 480
 gaaggggaag gagggaaaac aaataaaaaa tagaaaagaaa ttaatgacaa gaatcattga 540
 ccaccg 546

<210> 2482
 <211> 509
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = A,T,C or G

<400> 2482
 ctgcatcgca tcctgaagcc ttccanaaat ctctcatcta cgcgtatggc ttgcgcaaca 60
 tcggctcggg actcaacacg cttggtctgt ttgctttttg gcaattctcg cctatctgcc 120
 aagtcagccc gttagctgct gnggtggtcc aaagatgtat ggggaatttg ttcatctgtg 180
 gatccctggg tgcagctggc gatgcagttg ttgcaaggcg ttttgcaaac caagaacaca 240
 tccagggaga ggccgaggat aaagctacca aagctagcat cagtcacgcc gttactggcg 300
 tggttatcct cgcgacaggt ctgtttctat atctttgagc tagtgtgttt tgnngnggac 360
 attcggatct tgtaacaaca tcttcgcctc tctggtcttt atgaatcatt actgtatatt 420
 gcaggccgat tgccttgatc ttcngaaatg tatgaacaaa tcgctctctc aaattgaatg 480
 ccgataaatt ctnttttnaa aaaaaaaaaa 509

<210> 2483
 <211> 494

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 2483
caacaaagac cattggaaga tgcattctga tgcctgccatc acaatgtttc aacagatcct 60
tcctcagccc gagcattgga aggaaacgct agaagctctc tacagttacc gttggccacc 120
tcctgagatg ggcgtccgcc gacccttttag cacaaaccaa gccgcgcttc gtttcttcac 180
agctaacgtt ctttacatcg atgtcatgtc cagcataacg ctcgagcagg cgctcgcct 240
tcagaagtac caggaaatca tcatgcccag ctgcaaggca cagtcgcac cggaagaagt 300
tcgtatctca ggatcactct tcatggaaga gtatgtcggc cttcataatt gggtcgtcca 360
gatcatcggg gatatttctg cattggacgc ctggaaaaag gatcaaaaga natcaaactc 420
cctatccatc aacgagcttg ttcaacgaag taagggtgctg gaagggtgcta tcaggggaag 480
attgagtgtc attg 494

<210> 2484
<211> 541
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 2484
cgatatcatt cctcaatcca ttctctgtgc ttctcgagcg tgggcagtc caggetcaac 60
caacatcatc ccagccaaat tcccctctgc ctaccccaa cccacaactt ccgaccgna 120
agaaattgcc accagcgtag tcaacgcgtt caacanggcc ctacagagca aagactacc 180
cgctcatcg caactcttcg ccgaagacgg tttctggcga gatcatcttg cgctcacttg 240
gtccttttaga acagtccaag gaccanataa tnttttatnt tttttgaagc aatctttctca 300
atcaaaaaat ggggtttcgn nggccaaaat cgggtctgat accagctccg cagnngcгаа 360
gcctcaatcc atccctatcg atggcanggg tgaaatacaa ggggtcaatt tttttcactn 420
ttganccgtc taagtaccgg actggtcttg ccnatggng gaggcaatgg ccagnngaan 480
attncttt ctaccnccn ttaatgatct caanggtatg aaaaaactgn caaccacctt 540
c 541

<210> 2485
<211> 1008
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1008)
<223> n = A,T,C or G

<400> 2485
ggcgtaccct ctttctgttg tcaactctgc caaacgcgca caaccggac atagcaaac 60
atcatgaagt tttccacgt agtcgccggc ttcgctgcc cggcgcatgc ttttagtccc 120
aagttcaaca ttttcggcga caacgataat gccgacacca acgctcctca taggatccct 180
acggcccatg agtctgttgt catggcgcgt cgcaccttg ctctcaccaa ggtcgccact 240
ctctcgactg ttttcccttc tggccacccc aacgggtgatc ttgccatcga tgaaaaacgc 300
ccgaacggac tcgaaggtgt gcctattggc atgatggaa atgtggcaga atgcgaagat 360
gaaggtaac ctaccattct cgaataaag atcgcaaca cgttcaagaa aatccggcgc 420
tggatcgaaa cttacactct ccatgaactg gggtcggccc tatccgccc ccaagcgcac 480

ctccttctct	ctcgtctctc	ggcatatat	cccttcctcc	ctagctacaa	ctacaacaat	540
cgtgtcaagg	aatcttccac	cccggaacac	cgttccttac	tcagcggcca	atctggcccc	600
gttcgccctt	ttggatacct	ggagcccatt	gaaaccactc	ccgtatnggc	tgtcaagctt	660
gcagcatgct	ttacgcgcaa	gcataaagac	gctaagtact	ggctgcangt	aatgncattc	720
atgagagctc	atgggcgcgc	ctggntgtga	ccaaaaaata	ttgggttggc	ggntttggcg	780
aacgggcgcg	aantggctgg	ctgcctgttg	acnaatggga	agagcgtcac	cagagataaa	840
tgggagaagc	atcaaacttn	cccggtgagg	aaanaagggt	ggagccantg	gtnaatnaac	900
tnttggggga	gagctngaaa	aggnggggat	acctgncctt	nttggaaaaa	gcttaacttt	960
tantggtggg	tttgggggga	nnttcggcgg	gnnaaacttt	tgctatgg		1008

<210> 2486

<211> 527

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(527)

<223> n = A,T,C or G

<400> 2486

ggcagcccct	ccaaacaccg	cctgacgaaa	acacttcaag	caagatcaaa	actgtacctg	60
attttaggtg	gtcttgtcca	tacctctttt	actgccacct	cttttactac	tacctccttt	120
agccttgaaa	cgacacgana	gccgcttaca	cacattacgg	ctccttggtc	ttgaacttga	180
ccaaatcttc	aaaaccggct	atcgtcattg	tgcacttttg	tcaatttata	ccccgctccc	240
gcgacaacaa	ttgaatntcc	agggacctga	acttggccgg	agacnaanaa	cacgatggcg	300
cttccgtcca	ggaaaatctt	gntcgaagct	tgccgnccgc	nacaccnttg	agcttctcga	360
cnantgccta	gagtcgaaga	ccgacccgaa	atctcaaagc	tentctccaa	accaagaacc	420
gttttnggca	acactctaca	tgaaactgcc	tctgcgcgaa	attacnaatc	tccaaccctc	480
cttnaacacc	cggaattcca	attggntcct	gttaacttct	gggaagg		527

<210> 2487

<211> 834

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(834)

<223> n = A,T,C or G

<400> 2487

ctctaggtgc	ttcgttcgac	aatgttcaac	aaactgctcc	ttctgggtct	ggcatctttc	60
acctttggcc	aggatgatgc	acctacaaat	tccagtgtca	tcgatgagga	gatgggcccc	120
gccgctttca	tgtggccccc	agaccgtgtt	tggtcgggag	acatggataa	tagagctcct	180
tgtggctcac	gggctcctgc	aggcaacaga	accgagtttc	cactgactgg	tggtgctggt	240
tcccttgctg	cgcaagatga	ttactacaat	accaagatta	gtatttcata	ctcaaataac	300
ccatcatcaa	acgacgattt	cgatactctc	atccaagaga	agagtatttg	agacctcaac	360
ccaggtcata	gctgtgtaaa	agtctccgac	gcgccatcga	gcgtttcagc	aggcgataat	420
gcaacgcttc	agattattta	ccgcgccgac	tgggacgctc	cccacaacca	aacattctac	480
gcgtgtgcgg	acatcacatt	cgtctcaaag	gctgacttcg	actttgccat	tccatgcttc	540
aacgttactg	accaggagac	gatgacaaag	cccgccgggtg	caacggctga	tcctagtcca	600
agtgcgacac	atcttcatac	ctctgatgac	ggctctgatg	atgaggatga	gcaagccaag	660
cgggtgccaag	aaaattaagg	gggggggcta	ttgcttgcca	ttgggtgngg	gctnttgngg	720
cgggtgtagt	ctttgattgg	ttggccccgg	ntnttggtat	tgtgggcggc	gaaanggagc	780
aggccaagaa	aaaacttacg	gattgnccgt	ttggaggata	atgttcgtaa	gcat	834

<210> 2488

<211> 522

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 2488

cctgttttagc	gatttttatgc	tgctcgacaag	aagcccgagc	tcgatcctnt	taagcaacca	60
gtattgccaa	cttcccaaac	tgctacatcc	ganagaatcc	acganaccac	tatcgacgat	120
gtcggcgana	ccaaggctgt	tattggagag	gttcnnaaaa	cacccccctc	ccctccccct	180
cctcctcccg	cacctaataaa	gaagggtttc	ttccnaagac	tgaanaactt	tgtctttacc	240
cttctcgtcc	ttggtgctgt	tggtctcgct	ggaggtgtct	ggtactctcg	tattagcgac	300
aacttccacg	acttttttac	tgcatatcgt	ccatttcgag	agcaggctgt	ctttacctgg	360
aggagatgga	ttacaagaag	cgattcccaa	cgccaccggc	cgatccaaaa	accaactacg	420
ggggatgctg	taaaantccc	nttnaaagcg	gtcttttatgg	aaagttgttg	aggccaactt	480
actcgagngt	ggcctgttgn	ttgcnccaan	aggtaaggaa	ca		522

<210> 2489

<211> 631

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 2489

caattgcctc	gatttgcttg	gttgattgag	gaagacgaag	agtaaccggt	ccaccgacca	60
gccgctgtgc	tcaacatcgc	acgcgtattc	tactaaatcc	cgaaccccgga	gctgctgctt	120
gaagctcgta	cgaagcttga	agcaaatact	caatcattat	tgcagagccc	gtccacgttc	180
ttcctacatc	atgccggaca	gcattttcta	taccttttac	gcctatgccca	ccctgattgg	240
cgctggctat	gtcatttatc	atgtgtccac	ccaaaagggt	cgggctcagg	ccaaagggtca	300
aatcaaacct	gccaagaccg	tacagccaga	gacacgtaaa	gaagatcgaa	agaagaacag	360
ccgccaggag	gccttcgcaa	cagaggccaa	ggatcctcta	agaagccaaag	gctgagccag	420
acactatgct	ggtcgaatag	tgncnaaggag	aaagatgaaa	catcgccacc	gcnagtcgcc	480
aggagtttca	aaggccaagg	agggaccaag	ttgntncaag	ttgatgctgg	naacagcgag	540
aaagctggga	agcatnttgg	gccacaaggt	tgccagtgtt	ccgaaanaag	gagtcagccc	600
agnattttacc	atgggngccg	acccgcaatn	n			631

<210> 2490

<211> 404

<212> DNA

<213> Fusarium venenatum

<400> 2490

cgttccacct	caaagacctc	cgacaccaca	aataccaggt	cgacgcgcaa	acaatcgcca	60
ttcaaaaagg	ccagagacac	tgttccaccc	ggccctcttg	acgtccctgc	cactttcatt	120
gatcaagatc	gccccactgc	gccccactgg	cccgatggca	caacactcgc	tgacacatta	180
gttgagcgtg	aaccaacaag	ggctgctcag	ccacctgacg	aattcgacga	tgagttgata	240
ttacaagaag	ttgccgatga	gcatcacaag	ctgcgaaaga	aattcatcca	gcgggaagggt	300
gggttcctca	aagaagatga	gtctcctatc	cagcctcttg	aagagcaaga	tggtggacgg	360
gagcgcgtca	agtcgcttca	aggcggcgaa	gctctcgaaa	tatt		404

<210> 2491

<211> 464

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

<400> 2491
 ntatatcacc atggtggtaa acacattctc aatggcccaa gttgctgtcc cgatccgcc 60
 tgttggcaaa aaaatgggtc cgactgcgtc gaagtgtcac gggatgaacag ggagaagtca 120
 ccctttgaaa gaaaagctac cgaaaatgat ttttgccctg caagaagtgc aanaaaatgc 180
 tccccgaaag ggaccgttac aagaagtcc gagggagggc ttgaccgaag ttctgcccc 240
 actggtgaca accactttgt tatcgatgcg aagacacccc aggcggggcc ttgttcangt 300
 ccgaggagcc gaaaaaccgt ggccgaatgg gaccaacaaa aatgcttcag gggacccgac 360
 aggacaaana agacccaaga cttnaggggg ccttcaaggg tcccntnttt tggacccccg 420
 tcaaatggat ggccttgaca aagctagggg ttaaattggg aagc 464

<210> 2492
 <211> 354
 <212> DNA
 <213> Fusarium venenatum

<400> 2492
 ttcggttata aaagacactg gaagacccaa aaatccttct tccttctttt ttcttttctc 60
 cttccccctt ttcgaatcaa ggcacatttt cgtgggtagc ataaagaaac tgggctgggt 120
 taggttggga caaaggcagt gggcaaacgg gacaaggcac gataccgcac aatggcggtg 180
 aggaaaggct gggcagttct tctttggttc ttttgtttta ttttttctc tgcttttcca 240
 gcagcatggc gatgatgtt catgatgttg gcctatttac ccttttttct tatatttttag 300
 tttacgtaaa gcaacccgca gcattgcgtg aattgataat tcttttgaac tggt 354

<210> 2493
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 2493
 ctgcttgccg gtcataaaa gtgtggccgg aggtataata gtcggcagcg gcattgactg 60
 ggtccaagac gatgaactgc gggatgttgt actcgaccct gagactgatg aatgatccca 120
 cacacccttt ccgaagtcca gaattaccaa ctatcagttg tctacctgtg cttcactaag 180
 atgacctctt ccttgctgat gatccacca cacggcacga aagtcacac ccgtcccgtc 240
 ccgtcgggaa ggatacgtac cgtcttgacc aggcagggat tgcaagatct tccgacgtgg 300
 agacaatggg tgtctttgag agaattgcaag caagcaagac tccataactca tcagctaggc 360
 tttgcaacta gcgatgcacc tttgcggctg tccctggaag aacatgcang tgccaggcct 420
 cgagcctctc tagccttcat cctcgtttca aggtctaaca attcacgaac aaccgaatca 480
 tgatctcatt catcaganca tcccgttagg gtttantaga ancaagganc tatgaccatc 540
 agtctgttgg gatataccgt gatattctct ggc 573

<210> 2494
 <211> 768
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(768)
 <223> n = A,T,C or G

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<400> 2494
attttaaacag ttaggttata ttgagatata attaaatatt atcagctcta ttacgcccac      60
gacggtgtat acgagcattc taagtatgac aaccgggaca atcccagcaa gacggctcat      120
cccaaacatg gttaatatcc ggtctagtga caattgcctc tggagtaaga gcattatcag      180
cagtgtaaaca ttgaccgttt atgtaactag atccaatgca ccgactgttc gcccggaaca      240
tagcagcgca cttcgcagcc gagctttgat cagggtacca ctcagaactc ataccgtgat      300
atccggttga caaccatcct gaagtgttgc aaacgcgggt cgcagtgggc gaacgtgtgc      360
atacgtcgct tgcttgtagt tgcacgtggg actccttggga agaggactgt tattggggac      420
gcaagctggg cacgttcagc aggatttatg actccaccgg cgcttttggg gtcgaagctg      480
ggatcatcat agcttggatc ggcttctgaa gatcaaaagc tggatatctg gtgatgtaaa      540
gatacagtgg gtttcggacc ccagaatgcg gaggtttaca atntttaagg gtgtccaaat      600
gnttggcatt gttccggctt tctgnntgga tttttgnaac agggttntcc acttggaccc      660
anaaaaaccc ttggatggca acctaagnngn ttttcgaccc cggtgagntt ttttnccctt      720
ttcngggggt ttttngaaac cccnggggng ggggggttaa aaaggggg      768

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<210> 2495

<211> 577

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(577)

<223> n = A,T,C or G

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<400> 2495
gtacgagcta gacatgatca gtgtcttgca agctgcccggt tcacgatggc aaacgttggt      60
caactgccct atcgggcgctt gttaagttaa acccggtgac acggcaacga agacgtcaac      120
gcaatgtgaa acaaccatag ggcgatatat cgaggaatga gtggctttgc tacatattac      180
tggtatatga tgttcaagaa cggcaatcga ttgtatcgat tgctgttttc ctattctgga      240
ctcattgatg gctatggaaa ggtgcgccta tcaatgtatg aggttcaaaa ggagatgata      300
aggatgggga cctggaaaaa ccatgcctgg ggctggtttg aagangtcac tttgtccaag      360
tgcattggac acgtttaatg acttgatgta ccgatcgtga tggcaagcag tggactgctt      420
antggatctg tgtttcttgc gtaactggag ttcttacacg gatacggaga ccaacggagg      480
caacctgttg gttgggagat tggagttgtg atccctcatt aatcctatct tgcacggag      540
ttgggggtgt tttggtaaat aacatttgct taattnt      577

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<210> 2496

<211> 526

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

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<400> 2496
ccagaacttc ataatcagca aaaactaact tggatcatatt tacttgaata ttggccatca      60
tggcgattcc ttgggactca ctccgttccc tcgtcatctt cttcggaccc atactcttac      120
caaaagctat atcatactac cgatcagtcga agaataaacc ccacggccgt catgtacca      180
tagtaccgct cccgtttcga atcggagtgt cgctcgcgct tctcgctatc cttatcatca      240
cctacatcgc cagacgctcc cgcttttca cccgagaacc tnttctcgcc acgcagagcc      300
gtctgcagat cccgtcgatg tcctcttcaa ccgagttgct gtggaagatc ggacaatatn      360
cttaciaaagc aggatgaggc gctgaggggc aaattcgcaa cttggagagc gattgtctac      420
ctccaatttg gncccgatgg ctggctaact gccgttctga cctcgganga acaaanacct      480
ttttaantat gccctccaca gttttgnggc ctacatngna accctt      526

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<210> 2497

<211> 611

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 2497
gtgttatctc aaaatttoga cctcgatttt tggaaaagag acgggctggt ctacaatact 60
ttctcaattg catattactg aatccagagt tttctgggtc gcctgtactc aaggagttcc 120
tctttgcata acgctgccat tgttccagca tctttctcttc gttacaaatg tttaccttct 180
gaccttgaat atgaggcctc tttgtacaaa ccatatatat agcttcggcc tgggtgtcacg 240
cacatacata tgcgccggtc aggtgtccat gttaatgata atgagttgga tgacttacgt 300
gttaatgtct tacagttggt cctttatgct gctacgaagt cngagttgca ttaccccggc 360
tttggttgat tgggaggcca agacagtcca agatttggca aagatgggga aagagcaaga 420
ctcttcaaata catncagttg tttgcaaggc ggagctgtga ctnantggca tgccatcctt 480
ggcgttgaga ttcgnacaga anggcggcat accnccnagg cggatgatgt tcggcaatca 540
aggntgncaa tttaggcnat tccgggggta agtggttttc ttggnccact ttnttaaggt 600
tganaatggt t 611

<210> 2498
<211> 105
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(105)
<223> n = A,T,C or G

<400> 2498
ntggnctggt tactggggtg annatgccct tggccacctt gctgggtatgg aacnaantcc 60
tctacgaggn atatnattat nacatntgag nttactgcac tgact 105

<210> 2499
<211> 362
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 2499
tnggcatata gaaaaggatg tcaatgacca ccccggtggaa gtcaagcgct atgcagatgc 60
tgttgctcga ctaactgagc tcagcgacca gcgcaagcga ttaagaacgc aagtggcacg 120
cttaaatcat ctgaaaacca tcgtcgagcc tcttcagacg acagataatg gcgctggtat 180
ccaggaaaac ctcttactc gcaatgggcc tgggtgaaaag gaacttgaga agatgcgctt 240
nttgctggcg agagtcggtg gtngtgtcca tgcgctacca naacgaactt ccaatgacgt 300
ttctaaggag ataaagtctt tttgagacag gctctcatgg tccggaagcg acntggtgat 360
ca 362

<210> 2500
<211> 292
<212> DNA
<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

<400> 2500
 ggaccgtcca tgcaggggtgc tatctcgaag accctgaacg tggctacggn gaaccgcatg 60
 aaattgctga aatattcgcg ggttacctga atggcatcaa tggtagattg aactgggagc 120
 ctgaggggaat accacgcgat gtctttaata ttttcgaggc ccctatgtcc caaaaccaac 180
 ttntctttnc agtgaaccag ttgcatggga atggccataa ncgaaagttt atcgacggcg 240
 aggttggtga tgcccaaacn aacgcnaaca cttttttttt tganaccac ca 292

<210> 2501
 <211> 576
 <212> DNA
 <213> Fusarium venenatum

<400> 2501
 acacaccaat ccaccaacat gtttaataac gccatcatct ccttcctcca gctatggctc 60
 gcgacgctgg cctttgctgc tcccatcgct gatgatgcca tcagcgcgac ctctgctaag 120
 ccctggcact acggtactgg ggggggaatc attggaatta atggtttaag tgcttggaac 180
 ttctcgtctg gatcgaaggt tctcaagtc aaccgccccg tttccacag agattctctg 240
 gggctctcgtt ggcttccttt tccccatcgg ccggaatggc tcgttaatta cctattctcc 300
 aaccgccagg ctcaacattg cgaagcggag gctacgagcc cgtcacctaa acatcgctcg 360
 attcacgcga caagaataac acgaatggct gggatggaca agaattgtgac agaacggaag 420
 gattggcatg cccgagatgg caaatggatg gaggagcata cgatcttgag ccagcgatta 480
 tctttttatt catgaattaa ccggagtaat aacatcgagc caacaaccta tcgtttttaa 540
 caattatcga ccttggtact ttttgataaa gcattg 576

<210> 2502
 <211> 328
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 2502
 caaccagtcc tcctccgcc a cctccaccga gttggggagc tggctgggga cggatagacc 60
 gaggaggacc acctccattg ttgaactctg ttcagttaca ggatgtcggc agccttctta 120
 caaaatgatg ttttgatga tcaaaactgg tgaacgattg gcatatcaca ggcgttggtg 180
 gaataatgaa atttagacta tgatacctta gatgtttgat ttgggaaata tgcgaattt 240
 aatgtcggca acaggagaat tgcaggcagg aatgactgca aattgtacga atgaataacg 300
 aataaaaaat cccctccnna aaaaaaaaa 328

<210> 2503
 <211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 2503
 aataattcca aaaaagcttc aacgaactcc acaaattgcc aggttaactct tttgggtcat 60
 aaccgtctcg agagagttta tacacaaaaa tgagccagga taatcgacaa cttccaaaaa 120
 cccaaataga gggcaacact ccttggattt aaaaggcaaa ggaaaacaaa ccaagaaaga 180

gaataactatt	cccatcgtcg	acagacttca	atcttccggg	agactagttc	tcgatgcttt	240
tggaagcggc	ccagagctga	gtggccaaca	gccagcgaga	aaagctgacc	caagtggcag	300
caacagcaac	agcattgaca	agatctcgtc	aagtacggga	gaagcatcct	cacacagatt	360
acgctcatca	attcaggcgg	aaaccttgcg	ctcaaaaaca	aatctggatt	ctggaccttc	420
cgcgcaggca	ttcaacgatt	ttgttagtgc	cgacgtcacg	ctggacgttg	acaatgacaa	480
tgacaatgcc	caccttgatg	aggaagcacg	aaagcaaata	tccactcgaa	atctacacat	540
gcatnacacg	atgntagtgn	acaaganaaa	cttggat			577

<210> 2504
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 2504						
gttactccta	tccaaagcgg	attggccacc	gaacacgaac	ccgaaacaaa	tgggctacgg	60
cactcgtctt	cacatgaggg	cattgaccaa	aacacaccac	tatccaatca	cagttttacat	120
tagacatggg	aacatctcat	cattctagaa	agcggctagc	atcttcagga	gttttccgtc	180
attcacgtta	tttcatttat	ttattcccct	ttcttatcac	cgagcgggtg	agaaaaagc	240
acgcgattat	cagaacaaag	acatggattt	acttcttgta	cacaacaaaa	ttttcgtctt	300
ttctctacac	agattggtct	cctcggcatt	tgacccccgc	ccacgcggga	ttggccagag	360
ttgagcgaaa	tttcggctca	ctttcgggtga	tctggagttg	gtgagacgaa	gttcggagaa	420
cactcccgg	ggaggagtca	ttgtatttgt	tgcaggagtt	ggctggcact	caagaccggc	480
aggaacagag	cattgangtc	ggcgaatttt	ggnanggatt	ttttattttt	attgagcaag	540
gacttggtta	ttttactggt	acatatcaca	cagattacna	ccgccntttg	agatggcgag	600
accaatgggc	gcagacacac	ngaaggnatt	gggc			634

<210> 2505
 <211> 597
 <212> DNA
 <213> Fusarium venenatum

<400> 2505						
atgcaccaca	agggacagcc	ggctcaaaaa	tggaggatgt	tcaggtagag	ccgtctccgg	60
aggcaaagtc	tgttcaacag	gaggaaggg	ctgagactgt	tacagaagac	aatatggaag	120
tcgactcttc	tcaacctaat	gatccactgg	cacctgtcaa	cgtcttctct	gcaccttcag	180
ggtcaacacc	cgcagcagct	ttggctcctg	ctcccagacac	agacttcgct	cccaccatcg	240
cgcattgcga	actccaccaa	gctcgattac	aagaaaactc	aagaaacaaa	cgattgcttt	300
cggataagga	gttagaggaa	aaagctgctg	cagaaaccgc	caagatcaac	tctatcaaat	360
ccattctcat	caaggctcag	ttcccagata	acaccagtag	cgattggcag	gtgaaccctg	420
tgcatactgg	aaggctcctg	acgacgctgt	ccgacacgtc	atggctcata	acgacaaacc	480
ttccatctag	tcctccccgg	aaccaaatt	gtgatcaagg	acgacctagc	tccaacaatg	540
gactaataaa	agcctataaa	atgtcgggaa	gaactcttat	caacttggtg	tggggac	597

<210> 2506
 <211> 549
 <212> DNA
 <213> Fusarium venenatum

<400> 2506						
actaaccctg	aagatagatt	tgtaactccg	tccattgcc	agaaatttga	ctttgaagtt	60
ccggagtata	aagggtgcga	tcaggctcgt	gaggttgaag	tacccgagca	gaaactctaa	120
gagaatggtc	gaattggccg	tgattcgaaa	ataggggggt	ttgggtcacca	ccctttgtct	180
cttctggata	gcaaacgtat	cacataattc	gacaacctcc	cctcaaaacta	tttgacagaga	240
ctggacttgg	gactgcccc	tctcgcatca	tagtccggag	aaatatgacg	ccttgtggac	300
atacaagtaa	tggcggacgg	aataattgac	aaaattcgac	atagacgaga	tactctttcc	360

cgcagacgtg	gcacgcagcc	gaatgctgcg	tgcacattta	tctgtgagct	cgagctttgt	420
ccttagattt	cgaatagggtg	atgatcgagc	cgctcgattga	gaaagggtag	acctgcacca	480
acgacatgga	caatgacgtg	gaagaatggc	gtacaggtag	aggggaagaaa	atgcaagctg	540
acaattctc						549

<210> 2507

<211> 267

<212> DNA

<213> *Fusarium venenatum*

<400> 2507

gatgaatatt	gaaatgtacg	acaaataccc	ctgaagtcaa	agttgacagg	cctaaaaacc	60
cttggataat	cttaatcttg	gagcccgcgg	acgccttttg	tgttccacat	tgtggagatc	120
cccttgtttt	ctagaggggtc	tgtacgaagc	attgacacga	tgatttggaa	gacgtttgga	180
gaaacagaaa	ctgtaaagtc	taaaaggaca	agcttaaact	tttatacgaa	gaattcatat	240
atatagagta	ctattaaaaa	aaaaaaaa				267

<210> 2508

<211> 620

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 2508

ctccttgcc	acgacaagac	cgactttgtc	aagtacattc	acgatgtccc	catgattggc	60
agcaccgtct	tcgccccatc	aaacgaagcc	tgggcacgtn	tcggcccacg	cgccaacgct	120
tttntgttca	acaccgagac	aggcaagaag	tatcttcgtg	cgcttctcaa	gtaccagatc	180
gtgcccaaca	tcacactcta	cagcgatgag	atctactacg	gtgatgagaa	gcanaccctc	240
aanaagacgg	atctcgggtca	cggnggtgac	ttccacattg	agctgcctac	gctacttgag	300
aggggcgttg	gtgttgatgt	gcacactttc	aagagttgga	ctaccattgt	gctgaacgga	360
cacgtcgttg	ttggtttcaa	cgacgctggt	ggtaagaatg	gtgttatcca	cgttcccagg	420
accattccta	tcccttctca	cagaaggggac	gagcattctt	ntgagatcga	cggnganatc	480
aagtgtcgag	gagctcaagg	aaagactgga	ggattatgtg	gngggcgaat	gatactgant	540
ctgactggca	ggngngngag	ctgngangtt	tctcaaacc	ttattggcat	aacaatattg	600
gngggttngg	ttgaatggaa					620

<210> 2509

<211> 912

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(912)

<223> n = A,T,C or G

<400> 2509

gatgatatga	gcttcagcat	gcgccatcgc	aatgatagcg	attggctatt	gcgaacaggc	60
gcgctcatga	gctccgaagc	tcgtgaattc	aagggtcaga	cttggcttgt	ttcgcgtcag	120
agctcaacta	gccttggggg	aatggacccc	gacgaagatg	cctttgagaa	tgagcttgcc	180
cgtgaacgcg	agctcacgag	tcgccatgct	agccgacgtg	gtagcgttgc	tccaattgcc	240
gaggatgcat	ctccatacgc	tagccgcttc	cccagccgca	ctcatagtcg	ctcccatagc	300
ttgacccgac	ctcggagcat	acttcattct	cctctagagc	tatcaacagc	tgcagaaggg	360
tcttacttcc	cccatcaaga	agtcaacaat	gaccttccc	gccctgaatt	tgtcaatctc	420
gacnaaaaag	ctggaagagc	ttgagcaaga	tgtgttgcaa	gatgatgagg	ccactgtgcg	480
acggccttgtt	cgaaagggcc	aagcaggcac	aggcacctgg	tttggtagcg	tctggtctct	540

tttctcagta	gaagaagacg	acgaaaattc	ggacgaggac	agtgatgaaa	caccacgaga	600
caaccaatcc	gaactcggcc	agtctcgtag	ttggtcggtc	ccgcaaatta	gcaggcatat	660
caacagttcc	agaanaacgc	gtnccccctc	aaaggctgat	gaaggtggct	ggaangatnc	720
ccttggttgt	gaccgtggcc	nccaagggtga	tgttctanac	agaatgagtt	ttgccacca	780
aacnataacc	gtgtccacat	ttttcaagtg	gtaaaagaac	cggtttggtg	aatnaaaaaa	840
aatggccaaa	agcgtatatg	taaanattgg	ttncngatt	atagcctcga	cctcgtttca	900
nanagaaaat	tt					912

<210> 2510
 <211> 604
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

<400> 2510						
tccaactcag	cacacaactt	cacaatggcg	tccttacagg	cgctgtgggg	tccaatggcc	60
cgacggctcc	tgcgagtcgc	cgtggccaaa	accacaaacg	tggtgcggac	caaatttgct	120
gtcatgacgc	ggccccctga	aaaccaactt	acactgagaa	ccgccagagt	tgctcgtcaa	180
cctattcacc	ctgttgctgc	tcttcgacag	cagaaacgcc	atactagccg	atgggttctcg	240
agctccgcag	ctcagaacgt	caaccgagtt	attaggagat	tcgttagctc	cgagcccaag	300
gctgctcggt	tcgaccgatc	caagttcccc	agctccaaca	cctcacaacg	tggtgcgcag	360
ttctctggcc	gagctccatt	tgcgaacgcc	ctccgtccca	acttgatggg	cgggtgctttc	420
cctcgaagtg	ctgggtggata	tagtctcggc	ggtagtgctc	gatacttctt	ccacgggtccg	480
gcagcttcng	gctcaggtcg	tgcagaatgt	ctctnaagcc	atganagcat	tcttcttttn	540
tgcccagaan	cttccggtat	gacggcctcn	ggccctcgaa	ggtgacccca	aagtaatcaa	600
cggg						604

<210> 2511
 <211> 483
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(483)
 <223> n = A,T,C or G

<400> 2511						
aagaatcctc	taatagaact	taaattcaac	atcattttctt	ccaaatgtct	ctttattagtt	60
aactatttac	tgcgtcaact	gaatggcccg	tgctcgatttt	ctgaaaccat	catgggcatg	120
tcaagagact	gctctatcta	ctatcaagga	tcccagtagc	ttaattaaac	cttaataaac	180
atcaaagttt	attgcgctcc	gctagagatc	tttgggttct	agaaaacgtt	tcaggtgcta	240
tttctgaagg	aagagatact	aattcctcca	atagaagaaa	tagttcggaa	ggtggaatcc	300
gaaatccaac	atccgaaagt	gggatattac	aaagagcagt	atatgtattt	aataaggagc	360
cggctcataa	aagggttggtc	ttggnatctc	ttggtttcaa	ctcattcact	actggctagn	420
antcactttc	ctgcggtcat	actttntgct	atcactgggt	cacaccctta	ccatgccgct	480
gtt						483

<210> 2512
 <211> 619
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(619)

<223> n = A,T,C or G

<400> 2512

ctntctcaac	gcacatacac	tccctcacia	gacgttcaac	gtccatttat	ccagctactn	60
ttttttgagc	agattcattc	ctgtggaaag	aatctcctag	ccttccttaa	ccaatcgcg	120
tgagataccc	attcgtctac	acaacagacg	taccacagtt	acaaccactc	cttggttgat	180
atacagaact	cgaacaaaaa	acaaacatac	aaaatgaagt	ctttcactct	tgcttctgcc	240
ttcctcgccg	ctgcggccgt	tgcccagcct	catggcagcc	cccacggaaa	ccaccaccgc	300
cgtcaccacc	anaacgacaa	gcgtgatgtc	gtcaccgagg	ttgagtgggt	tactgagatc	360
gagtacgtta	ccaagatggg	cgatgcccc	ccaccgtctg	ggttcgtcct	gaggtcgcca	420
cctctgctcc	cgttgtagag	ganacccccg	agtctgacct	accttntgct	gctcccaaa	480
ngagganaaa	aaacctgctn	ccgttctaca	ctaccttggt	caacagcggt	tanacttccc	540
ttcttcccct	tccaacaang	anggttgagg	gtgggttccc	acctancttn	tgaggncctt	600
gttctttag	anantacct					619

<210> 2513

<211> 1342

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1342)

<223> n = A,T,C or G

<400> 2513

cgaatggttt	tctcaagccg	ccgcacaata	cgccaatcga	tatcctcaac	ctcctgctca	60
tagcaccttc	taccccaact	cgcgccataa	ctcctacagt	ggacactacc	actattcaca	120
aaacatgtgg	gagcatggtc	ttgctgagtg	tagttgcact	ggctgtgttg	atcccatgaa	180
gcagcagggt	ccctatttcc	tgccctcacg	ctacagccaa	cccgtcatgg	gttaaagtct	240
tacccaaatg	cttcatttaa	tgccctccgat	cgagggcggt	tcgatcttgg	aaagaagaaa	300
aaagttttta	aaggtttcat	tttcacggcc	acgattttcc	ttattatacg	catcccagaa	360
acgataaatt	cgcatcaga	tacccagggc	acgacaaaaa	ttgttcataa	gatgaccttt	420
tcggcggtat	attctcagga	tttctactac	agccatgaat	ggatgacgag	acccgggttag	480
cctttgcaac	gctcttcag	agcaaacaa	gcttattggt	tcctgggtcat	gtccgggacac	540
tatggcattc	tccttattgt	ttttttattt	ttatttttta	cgttctgtta	tggttacact	600
cggtgttcgg	ctttctcatc	ttacactaca	cggttctggt	cgatagactt	gcagtttaca	660
gtttccaccg	gcactcgcgc	ccagcagcat	tcacccattt	tgacacgtca	cgattcaaag	720
cctgtcactc	ctttgcgcgg	cactggcttt	gattctgacg	ctgacggcaa	aacgacgaaa	780
acttcaacac	aacatatact	actatagatg	gcgattcggt	agcgttgcat	tcctgccact	840
cgcttgga	ctacgttctg	tggtaaacac	aggatgtcac	aaacgggtcac	aatctacttc	900
gaccatttct	tcctcatggt	cccattgtcta	tgacaaaatc	aatgcaaat	gattcggaagc	960
aaagatgatt	cggttactgt	cgatgaactc	cgcgcatag	actttttgag	gatgggtatat	1020
acgttcactt	tttttccctt	cacttttttc	gtttggtatt	gcaagtggca	catggatttt	1080
gaccacaggg	aacgggctta	catgacgggg	tttatgcatt	gcaaccagcg	ggtaaaacaa	1140
gggatttgga	ttgatcggct	gatcatcggt	ttgatattgt	attattgttt	cttcattttt	1200
tttttaaaact	tcctgggttg	tcgggtgctga	catggattgt	caatgtcagc	gtgcctaccg	1260
ccagaagaac	nggctgttgc	gctcttgact	ttgctttgca	canggtttgg	tgtcngcctg	1320
tggcaaat	cttcaacgcc	at				1342

<210> 2514

<211> 227

<212> DNA

<213> *Fusarium venenatum*

<400> 2514

atcctcgaca	aacgggtttg	gaggccatct	tgcggtatcg	cgcgagggtt	ctttggggga	60
ctctgttgaa	tgttcttcag	aagactcgtc	caaaagatcc	tctggaatct	cttctttaac	120
ttcgtcttgc	ggctcagggt	gatgctcaac	aggttttgat	tttacgcgtg	accgaggaat	180
tcgctttggg	cgttcccga	ccagaagctc	attttcttcc	tgacgtg		227

<210> 2515
 <211> 389
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 2515	
aattgcctat atatgcgctt tgatctcccc gaggccactc aaaggatttg ctgtcctcct	60
ccgtccctgc aaagtctcga gtattgggtg agctcagtac gacgccagga anggtgtccc	120
gcattctaaa atccccataa acgacgacat ccattcgactt aattttttgcg gcgcatgttt	180
acgcgcgtgc aattggattc tgcgtatct tcccccaacc cattccttca cctatgaagg	240
ctcaattggg acgaacttat gctcgtatag cccgtctatc cattcatccc aatcactggc	300
acgccatatc agttgcggtc atctgtcctt tcttcgggct tactgaggct tctcttacca	360
agtccgaaca accctgtctt gacaagaat	389

<210> 2516
 <211> 529
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(529)
 <223> n = A,T,C or G

<400> 2516	
gaacatcttg atgaagctgg cacttctgag actccctaaa ggtgtactca gtgcttctga	60
tttgataggc cggggatact ggcactggaa ctagccgaga gcagcgtagg cgcagtggaa	120
tttctatact tggactatgc atctctacgg acgatcaatc agcaatagtc cattgcgaca	180
ttctatcctt tcagcaatga tcagatcaca accctcactt gatcaataaa agggcctata	240
caatggctct gagctcaatg tgggcgcgcc ttcgaagtaa tgggcagccc agcctggcca	300
gatcgacgct ttgagagttt ttggtttcgc aacttgatc cccgtcatcg ccatgttcaa	360
cctgcacgct gcagaattga cctttgtgga cgcgcaccca tgtaccctct gataaacgac	420
gacaaaantc aactctgcng cgggatgtga tttcactgga aatggtcgcc ccccgaaaat	480
tggaaaaggn ntgggtgtga cattacctac aaaggantca ctactcca	529

<210> 2517
 <211> 403
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 2517	
nntctttact tttttttggt ttgttttttg acgtcacctt ccaaacctaa ggcagccaaa	60
atcgatagct gcctagaggg aagcttcaca tgttttaatc ttagtaccta tatctaact	120
tgatcattct gcctgtatct acggcatcgt tctcgtaca atccactatt tttcttctta	180
ctctctattc acttccatta tttttttctt tcatactata caccattcgt aatgactccc	240
aacagcgaga acgccatggc tcggttactc ttggccatgt tgaatnagaa gaacctcaag	300
gatatcgact ggaatgcagt tgcctcagac ccattacttc tagagccatc acaaatggcc	360
acgctgcaan gatgcgatca ctcgnnttcc gtgatactgg caa	403

<210> 2518
 <211> 634
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

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<400> 2518
gctggttctt gacgtttctg atgaattaga gcaaggtttc tgtgcactcg tccggaggcg      60
cagcgcanct ttgagcgctg atgaagttgt acagcaagtc gttcttgctc tcgaaagact      120
gaagaaacaa gccaacgacg aagtagagac tcaacctttg cctggaagcc cgccattcag      180
ccgccctggg accgnttcta cctaataac gaatcacccc ctagctcgaa tgccaaagac      240
gacaacggat tcaaacagtt ctaaacgctg atcaactgtc agtgacgcga gaaccagaac      300
aaacagtcta tcgatgtctc aacctgttag ccagcctctt cgatcaccaa cacctttcgg      360
aagtctgggg gcgctcgcg gaagctcgag cttgatgatg gaatatctgg caagccattt      420
gtacgcgtag gaagtcccga gacacaatca gaaccaggat cccttcttta tctggcatta      480
gtggcccggc accccgatgt ctcttgaaac gcaanaacag ttccaggcac tgggtgggcaa      540
caaaattcac acaaaccgac nattnaaaaa cgancaangg ttgtggacct ctccattttg      600
ctgaggggtg aagnanggtg tataaaaaat annt                                     634
```

<210> 2519
 <211> 203
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(203)
 <223> n = A,T,C or G

```
<400> 2519
ntacactcat nataacntac ccanaanatac actccnccgt ttenacattc gtgctnattt      60
natgccanta tggcntagtc tcncnacatg acgctctact aaggcgctcn tantcttcga      120
gagngagaac tgnntctacc cgagaagctg naaggtgcat gaccngntgg gtganctcat      180
tgacgaganc ttttcanaac atc                                              203
```

<210> 2520
 <211> 137
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(137)
 <223> n = A,T,C or G

```
<400> 2520
ntttggtttt tttttttggc ttaaaataag ttcgntggcc aagggttaca ttgggtacac      60
ccggaggaaac aagaaaccaa actccatcta tgccctggcta taccgcgcgg atatggcatt      120
aactaatttt gccctc                                              137
```

<210> 2521
 <211> 553
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

<400> 2521
 cattcgcata cgattattca catcatttgt acaactccat attttgcttg cttccaaaaa 60
 cccaagtcc atcacatttg cttcctgatt ccccgacgtc attccctca ccgttacaat 120
 ggcgcgatc ctccgcgtta ccgccaccac attggcttca acgcttctct tctctctatc 180
 ttcagcccag gattgcaaat tccaaacctt naaagacatc ataccatcc cccgtcactg 240
 ccgagaattg gagctatggc cttgttgcca acgagcttag acggccccga ggcattctgt 300
 ttgacagcaa aggggccctc atgncataga ttctggaaat ggtttcttca tttcgactcg 360
 aggatggagg anggacatgc ctgcagggtc ggaagaagac accctgctcg aacangacac 420
 ttggaatatg gnctcgccat ttccaaagat ggccgaactt tttttgctnt ttgnccaatg 480
 aaggntttgc atgggcctcc accccncaaa ggtnccttaa caattttcag tccanacctt 540
 ggtnacaaac tgg 553

<210> 2522
 <211> 729
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(729)
 <223> n = A,T,C or G

<400> 2522
 ccatgattca acatgcgatg cttacaaaag acacaaacca tcagtctcta gtcattggtga 60
 ttcaacgcga caagtttatt ccagtcaatc taccctagat cattcactca ctgataacta 120
 cggggctcca atttattagt gcgctcactc cagcatccaa aactccatac cccagaattt 180
 gcgtcaagcg agagacgatc catatcatgg accaccgaca gggacgggac tccagtaaaa 240
 taataaacacc gagatctttc acagaacctt ttttttaatc agatctctga catgtctgac 300
 ccgacagttt gttcatccac cgagatcatg ccgaacgtct gtggttttta aagttgacga 360
 gccccgcgtt gatcaatcaa tgggtctgag atgggacgag atgagatggg tttatctggg 420
 gagatgtgag ttgatcaaga gataacagat aacgattgag ataataggcc gagtaggacg 480
 atagccattc agttatgcta aaccgaccat ccgtatcgct ctctcgaaaa tacacctacc 540
 tcgaagccat cggcaggcgt ncaattgctn aaccaaactg nccgcgcctt ggacgcgtct 600
 acaattaaag tactgcagcc gaattgacgc gacaacggng aatcatacnc gcgacaactt 660
 cngggcgac gaaatctact tgcaagtgtc aactnaatat tcttcaatca cggcgcaacc 720
 tnttttgga 729

<210> 2523
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 2523
 cagtctatgc tggagagcct gaaggctcgg gtcaaggctg ttgatagatt tgtcagtttc 60
 ttcgagtcca tggacaaggc gaaggaatcg atcgtagccg agtcagtgag cctgaaggaa 120
 gttaccttct cttacggacc tctggcatcg gaggttagta ataaggacca nccctctcga 180
 ctttgaggga tcacactcaa cctatcccaa aacgatattg accttgatc gggcgaaaca 240
 aaccctnatc ttccggtcac caatttgatg caaaaacttg ttaatgggtg caatggcatc 300
 ggggctctga tgaactggct tcccgggtcc ctaccagcac tagaagcggg caagaaaata 360
 agagaaacat ggagggatgt tgaatcacnc catcagggac ggttcaggtt catgatggat 420
 tctgtggatg anatgtcaat tcagtacttn tgttacagga actggtcccn gaaacctacc 480

gatccattgc	gacatcacgt	ttctccccac	atcaaacatc	gccgangcga	nccgnggtgg	540
catatnatgc	ncaagccttt	taacgggctt	tcgtgtnaaa	cgatgagttt	taaaaacgct	600
taaacccgtn	tgggaaacaa	cngggga				627

<210> 2524
 <211> 524
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

<400> 2524						
gcaacattcg	ctcttggtca	tccttcaacg	cttctgccat	tctctctctc	cctgggtgcct	60
tggcccttct	taccaaccct	gttcccgcg	ctctgcttct	tcaacctacc	tttacttctc	120
gtcaccctga	naacgaggct	caactccact	ccatctatgc	ttcatactac	ctacccaagc	180
tgaactcagc	cctagccata	tcttctactc	gtccccctga	cctttnggtg	cctcctaaga	240
ctaattggcat	gaacgatctt	ctcttcggtg	ccaacgcctn	tggggaatct	accactgcgg	300
ctgctatggt	tgggtggcaag	cccactgccc	gtgtcgctcg	tctgggtcgc	agcttcgatc	360
gtttcaacac	tgggtatgctg	gttgagggca	acatcaagcg	tgctcgagta	ctccgngggc	420
tctcagctat	ccatcatgct	atgcgcnanc	atgggtgccc	ctacngcttc	atccttacaa	480
aatgagctc	gttcttggtc	naaacggcac	tggaaacacc	cctt		524

<210> 2525
 <211> 611
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 2525						
cttcaccata	catttgaaaa	taggaaagag	tgatctagaa	tggacagaag	tttgatattg	60
tctagacggt	aaagattcaa	gttcctagta	cctgggttctg	gtcgtggtgc	tagtaattctt	120
gattgattgc	taaactaagc	gctagccgct	tcgtagcccg	atagcgatcg	gcatttcgga	180
tcccagtcga	caaaacacgg	tcaattcaac	ttcaaccacc	aaatcaaccc	caagttcacc	240
ctgcaattca	tccgtagccg	gcacctccat	cataaacctc	actcgctcag	taactcacgt	300
taagtcaact	tccctggctt	cgtgacctcc	gtatggccct	actcgacaca	cggaaacagag	360
ccgacaggg	cccgaatct	gtatttgcc	tnattagagg	cacctaacct	ttcaacgatt	420
cgtttcagag	tagcctgaac	cacatntag	cgacgcattg	nagngggctc	gtttgncatc	480
attcanggca	tacactacac	gtgaatgccc	tgatgggcga	cctgggacac	ttattctttt	540
ttaaagangn	cgagacgttc	ctgaatatcg	gctggcnttg	ggctanttta	tcgaatgntt	600
ggaaaaaccc	n					611

<210> 2526
 <211> 568
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 2526						
ctacgcattc	cgaatcagct	ctctttgggt	tctcgccctt	tctttttgat	tgagccatt	60

cgttttatac	attatcctac	gagtcggatt	cgctcattta	tagtgtgcgc	agatgacacc	120
gccaagcct	atttgcgggg	aggaaaagcc	tcaagcacgt	gaaagaacct	cggtcagcta	180
cgantttgtg	cttgaggatg	agtttgatgc	gctgtgcgtt	gaggtgaaga	ngaacgacgg	240
tgactctagc	ggtaaaagca	gcagcggtaa	caagtatcct	gcaaaacttc	catgcgcgca	300
aggttgccaa	ggancttggc	gtttccgaat	gcctcatcta	tcttccctgg	ttgagcccta	360
cgcgctccta	caaagactcc	aattcaatcg	cccccttttc	cagccacgga	naaactttct	420
actatatgan	ccgcgcccac	tttccgactg	tgtttcccc	tttaaganat	cctacgattc	480
ncctcactct	cctgaatccc	ctaccccgac	cngccagttt	tttntcatn	ggcccactcc	540
cnaccccncc	gaagccctgc	aaaataca				568

<210> 2527

<211> 240

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(240)

<223> n = A,T,C or G

<400> 2527

ngcacgctat	gatacgttgt	attngagctt	caatcgaccg	tnactctca	atttggtcgt	60
gtaccagac	gtcaagaacc	cggcaaat	ccgcatnaga	tatcggccta	ctggacaaag	120
ctttaacagn	attaaatcat	gggctttgcc	accggcttta	ccggcgngt	cacgctnacc	180
ctctccctcg	gctacctctc	agnctcgcgt	caccagcgca	ctcgtgagca	acaaggctca	240

<210> 2528

<211> 589

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 2528

gcgagcatgt	atcatggtac	tggagccaag	ttcgtcagcc	ttgccgat	at	cccgcaaata	60
ccgcaaattc	ccgacgcgcc	tccatcctat	tgcgacagcg	aaccaccgcc	gcctcctcct		120
cccatcaacg	agaagaagcg	tcgccgagtc	gatagcgaaa	gcaaaggcaa	agacagcgac		180
gcgattttctg	agattttggc	tgagctcaaa	gcacgagacg	aacgcgaccg	aaccgtacaa		240
ctcgagctgt	cagattttaa	gcaggagaat	aaatccctgc	gagaagcgct	cgagcagatc		300
cgtcnccaag	ttgccacgtt	ccaccngaac	ctggatgact	tgaaacagga	tgtntggcac		360
cttcaaggtc	tagataagtn	caatacagac	acggttgaag	ggttcgatac	aaggctggtc		420
gagttgcgtg	atgatctgga	agatcttgat	gcccaggctg	attcaatcca	agancatcgc		480
gacganaacg	gtgtggctcg	cgactttctt	gataaagtcc	gcagcgacgt	gtncgatgat		540
attatcaccg	tctcacnggc	tgagcaccat	taccanctga	gantcantc			589

<210> 2529

<211> 545

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(545)

<223> n = A,T,C or G

<400> 2529

aaaccctgct	gccttcttcg	ccgcagcccc	tcataccatt	atcgaggtgc	aaagcatgcc	60
------------	------------	------------	------------	------------	------------	----

tagcacagaa	gcgctacggg	gcatactaca	atgccgccgc	acatcttcgc	cgagcgcatt	120
tccggccgca	tcgggtnggc	aaggccagtg	gcgattggcc	atccatgagt	gttttgaagg	180
attggatgcg	ggaagtacgc	caatcagttg	acgtaccgca	tgagcatttt	tccagcggcg	240
aagacgatat	ggacgaattt	ccttcaccag	ccaactacag	ggactcgatg	tcgcatcaag	300
ctcccatgat	tcctgaagcc	caaccgcctg	ccgctgtact	ggggccactt	ctctcttcaa	360
gtntctgttg	acagtcgata	ccgattgaac	gaaccagccc	atctcgacaa	ccgccgaaaa	420
ccgaacgaag	tgtcccntcc	agacntgggc	naaattccgt	gactgggctc	tcccatgctc	480
ccccccncaa	gaaaagccga	aaagtgccga	tgttacgtgn	gaatacatac	aaagggttggg	540
ccaat						545

<210> 2530

<211> 598

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(598)

<223> n = A,T,C or G

<400> 2530

gctgcgactg	tcattccgatc	caaaagtaan	ggggaaataa	taaaactcgc	tcccgtctct	60
tgctngaac	gatctgtggc	ataccaaacg	atctcgagct	ttggtttggc	ttgacaaaca	120
aagcgggctg	tcctttgttc	ataacgctac	ctgtaagtgc	ctacctgcct	agatgaattg	180
caacttttga	tgtcgtgtcg	tgctgtatcg	tttctttatc	tcattttatt	ctgcctatcc	240
catccctctc	gacatgtcta	tccaaacttt	tctatatatt	gattctttca	cataacttat	300
ctgcctgggtg	tcgtcatgcg	tcagacgcct	gctttattcc	aggggtccagt	caatcagaca	360
ggcgttttct	aggattctct	ttaaaatttt	tgntcctcga	ttacaattaa	gtctagtatt	420
acgctttgtt	tcttcggggg	gaaagcttgc	agggaaagac	catntactta	aaacagaaaa	480
tctcccctac	gatctcgact	cgaacaaccc	gaaattttca	atatctgntt	tatggccttt	540
tggagtgggt	tccctcatga	aatcaacggt	atcaaaccgc	ccntntttat	ccaattca	598

<210> 2531

<211> 702

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(702)

<223> n = A,T,C or G

<400> 2531

caccacaata	taccacacaca	agtcactccg	aattccctca	aatcaaaatg	gtctatacta	60
tcgttgttca	cctctacgcc	aaggacgatg	aggagtccct	caagaagctc	accgccaagc	120
tgattgaggc	tagccgcgtc	tactctcagg	acaaggagac	cctgtcgtgg	cacgttatgc	180
agtccacctc	tgacaagcgc	gcttttacca	ttgtcgagcg	atacgagcaa	gagagcagcc	240
naaagtatca	cctcgagaac	ccttactgga	agactttcga	cccttacgct	attccccctc	300
tggagaagcc	catggacttg	cgacgatatt	aggagcttga	cactagcaag	gacgtcgagg	360
ttccccnata	aattatcaac	aaggtcaatt	gactatcaaa	tgaaagattc	aatactaagt	420
gccagtcac	gtgtttccaa	acgagaaaag	acccatgaac	cgactcttga	tagatgtatc	480
ctctgctttc	cctccgttct	ttagacaatc	actcttcctg	gggtgaaccc	tagtgctaac	540
catcgatccc	ttaaactggg	ctttgtcaac	agccgatctc	caagttctgc	tccattccga	600
ctgggggaat	atgaagcaat	ttctcacact	cagccgggtc	tatctcttcc	aaaatgctta	660
ctctgttctg	acagtctgtt	aaactcctat	attctctgtt	ca		702

<210> 2532

<211> 292

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

```
<400> 2532
tgtggagcag aggcgttgaa gaagaagggtg gacgacgatt tagacgatga agacgatncc      60
ccgtcgggtcc agaaaagggtac atcatagaag atgaagggcg aacagaactc agggacacat      120
gataagcaag ggaatagtgg agatgaagggt ctcgaacaca tcggcaaagt ttcacaccaa      180
caagtcaagc gatcaactac taagcatcct ctggagagga' tctccaggat acccatttcg      240
tgcaactcta gctacgaccc tactcggcgt ccggtgtcag ttgtcacaat gc                292
```

<210> 2533
 <211> 577
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

```
<400> 2533
ctcatcggcc caatcgatgt ctactatttg cccaccacca ccatctgcag cgcgataaac      60
gtggaatatc cattttaagg gacttggatt ttatgcaagg ctgaaaagggt ccactcggcc      120
tatttccccg agctgcgcaa caganttgag agctcgccctc gaatcaaaat caaatcattg      180
tactacgccg catccacatc gatctcgtcc gattacctct ctctttcttc acccttttct      240
agtcgagcgg tcaaaactgga accgagtcgt atcataaaat cgacagaaca tgtctccgtc      300
atccacatca gcatcagcat cggcgtcggg anctggccca caccactggc tctgccgcct      360
actctctctc ccgatactct cgangcccta tccganctct ccctcgtgct cgcacgcgct      420
cgcgccggca ttcaatcatc agctggggan taccaccgaa cctgcgcctg gaaacacngg      480
aaacaacncg cctggaacta cactgtcttt caaggatgtt gccaggaaca actgaanggc      540
taaagcataa nctgcaacaa ctcgtgcaca aattcgc                577
```

<210> 2534
 <211> 573
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

```
<400> 2534
cacgctatta gcttcttgac ttgacttttt catcatcggt ctgcatcttt acactttcat      60
ccgtcaggaa ggccctcataa ctgccggcct atcttggtgcc cagtcacgt aacactgata      120
cagatagggtg tacggcgagc aggcgccag tcagtcacgt ctgtctttaa caaccacctt      180
gcgggcgcaa ctgagcgctc tttctcgtca tcgctatcac cggaccgaat catcgcaagc      240
tcagaggatg ataacacagc aaccctcgac cccgaaatct acaagagtct gaccgcgaaa      300
gagaacaacg cgtgatggga aaccaacca aagagcgaag tcccaaanc aatagcaaac      360
ctgcttttga ctcntccgtc aagaanttga atcntcaagg ccaagcgaac acaaccgaga      420
gaagaaaaag agctctacat cnaaggcctg ggaagatgaa atttctccgc ctcaaaggag      480
ggtttcaaac aatggtttcc cttggntaag ggagaanatg gcttgattga gaaacaaacg      540
ccttgccgga naacctttgg aaaaagctgg ggc                573
```

<210> 2535
 <211> 250
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(250)

<223> n = A,T,C or G

<400> 2535

ggtttctcaag	gctaattgatg	agaccgtgcc	acaaaaggac	gagagcagtt	tagctgagggc	60
tgaggctgaa	cagacggctg	accagaactc	tgagaaggca	agggagatgg	ccgnagggat	120
tgtcccagag	tcagtgaaga	agaggtcgca	ataaaagaac	tcgtcattga	aacgaggtgt	180
accatattat	gaggagggcc	aagctctgca	caaaaactgt	atcaattact	gtatcaaana	240
aaaaaataaa						250

<210> 2536

<211> 137

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(137)

<223> n = A,T,C or G

<400> 2536

ngccccagaa	gngttcnaag	gatgggcaac	atgagcaagc	ggcccccnna	ggcgaganga	60
agctgnctgg	agccgaanag	gagangaggg	ccaaagagga	gaagccgtta	gacgcgcaca	120
ngccaagggg	gccccaa					137

<210> 2537

<211> 514

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(514)

<223> n = A,T,C or G

<400> 2537

cgcaggaatt	tttttttttt	tttttttgcg	attttcagtc	gattcaaattg	tacaattatt	60
cgtgtacaaa	caaatgcatg	agaattttct	atcacacata	agtctaagat	aagccatgat	120
tgagatacaa	ggatatcgaa	aaactcagca	cgaaaaagggt	tagccgctga	taaaactcaa	180
tacacatatg	acccgtttcg	ttgagtgacg	gcatgcaata	atcactccaa	taattcaaac	240
atgaaaactg	aagtcgttgt	gttgaagatg	tgtttttttg	ttattttgcg	atccgccgag	300
aatgggcgat	gtcggagatc	ccgacctttc	ccgacgagca	atttacagct	tccgataaac	360
ccatttgaac	ataatggacc	caaatctcga	aaaaagggca	cagacccaat	cagctatcca	420
gcagtcaaac	aatctagggg	cttgattgac	ttctttggct	aatgcacagg	tgttgataag	480
gggccttacg	gggccacagg	gcgggtggtt	tttt			514

<210> 2538

<211> 594

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(594)

<223> n = A,T,C or G

```

<400> 2538
ggacaacccc gcctcatcac atcaccaact ctacgaaagg tcccccgcg aacnaacggt      60
ggtgttactc tactgggact ggggtgcagg ctgctagggt ccatgattat tgtcactgcc      120
tctatgctgt ttctgccatc gtgcacagaa aantcagctc aaacgcccgc aggtgggtggt      180
gcaccatgga caatgctgga gcgccgcaaa ttcattgggt tcatgggtgt ctgggggtgct      240
cttggcagtg tcttgacag tttcttggga ngctgtttc aacgttcagt tcgtgacgta      300
cgttctggta aaatcgttga aggtgaaagt ggcaaccggg tgctgggtccc gaatctactg      360
anggtcctgc agcgcatttg aaaaagaana ctcaaaaaaa atcggaaggc tccccattgc      420
agatgatcac aatctcacc gaagtttacn acccaaggac aacaccgcaa ttcattttgg      480
aattcaaca ccacgcnga acattgaaaa cggttggatc ttctgganaa caatnangtc      540
aattcctcat gcactatana aacttcgcgc atgcgctgca attggtactg gant          594

```

```

<210> 2539
<211> 340
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

```

```

<400> 2539
ngtatntttg acgatctttc caagcagntg tcnttaccgc aaatgtttnt gnttttccgt      60
gncccccg acgngagggt taccggggga cgtttttact tcaattttgt ttctttgacg      120
gctgccaaan gaacnaaaag ttnggggggg tntatgaccg tttaccggg atgaaaacag      180
gngggacggt tccgttacat ttacancttt ttcatatgng ggaaaanttt tggggtnngt      240
ntttaanggt tccactgcn taanggggtt ttcgttttng gnggtccntt gccaattagg      300
caanaaaaag ttgtggttcc tnaatttttt tgccaaaccg          340

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<210> 2540
<211> 613
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

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<400> 2540
atttcagga gctgtttctc tcactctcgt acgtacaaag aaaggtagca cgctgggcgt      60
gtaaacacca tggatttcga ccaatctcct gaccgtcgag cctcacaggc aagcttctta      120
tctctacaac agcttgaccc ttccccgata gattctccgc cagcagatcc cactattgac      180
cgccgtgatc ttgggcgact acctcgagga agcgatgatg ggtacgagat ggtgaacgct      240
gaggaaatgg agaacagcac ctcatccatc agggcccctt cgaccggtgc tccaggtttg      300
agtgaagcg cgaacctcaa ccagtctgga gctgggtcctg gtcctatctt ctaccttatg      360
cggattcaga agttctcaag ttacgcaatg ggtatcttca catcccttca tcttgccaac      420
gtttccctca tcccgtatc actcgtcggg ttcccggctc cgaaacctac cttcttatga      480
ctcgtgaaat ttaccaaacc tactnaccga acccatactg gtcgctctac tatcatcggc      540
catatcggat cangaattgc cttcgattac tgaggangtc gcaagaacat gcagcggtac      600
cgtgcaacgg ann          613

```

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<210> 2541
<211> 530
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature

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<222> (1)...(530)

<223> n = A,T,C or G

<400> 2541

cagagaaacg	cccagaccct	ctctcggctc	ttctagcgaa	gactgcaaga	cagacaagct	60
cttgggtcaac	agcttggcct	ggctagcact	gccgccttca	tcgtattttt	cctttcgggtg	120
accaactagg	aaatgtgtcg	tgcttcaccc	tcttagtcgc	ccctgttatt	cccttcgagt	180
gtcgcgtgct	ccatatacctc	aaacgggtcat	cgatcaaccc	accgtcgcctc	ccttgtgccca	240
ctgagaacag	cccaacagaa	aacgtgatcg	acagcccccg	agttacagag	ctgcgacgct	300
tagtctatgt	ggctctagcc	gtggagaacg	gaaacaaggt	taacttgact	taggttttta	360
ggcggagcaa	taacaagctt	aatccgtttt	ctggtatccg	cttgtgaacg	acgttttcgc	420
cgaggcgaga	catggcgaga	acgcatcgag	atgatagtaa	acaagcttta	ccgacaatta	480
gaacaacatc	aagacngcca	tgattttatcc	tatactctat	aanaaaaaaa		530

<210> 2542

<211> 230

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(230)

<223> n = A,T,C or G

<400> 2542

gactcagaca	tttgtcgc	at	tggccaaaga	gcagcgaccc	gaactgggtg	agaagctgac	60
agttttctgc	gctctcgc	ctc	cagcagccta	cgctggctct	ctcattggca	agatgtactt	120
caagttcatg	cgcatacat	at	caccgggtct	gnttcggctt	atgtttggna	ttcatgcatt	180
cattccttca	tgaangcana	at	tgcacccaat	ntgggcgcac	gttatccggt		230

<210> 2543

<211> 113

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(113)

<223> n = A,T,C or G

<400> 2543

ncgcttgang	atncggatac	caggatggaa	cncctattaa	gaagtganac	tcagcngggg	60
ggggaatatt	tcaaggnaan	aacgtcactt	ttgnaacncg	gatgtgagcc	gaa	113

<210> 2544

<211> 249

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(249)

<223> n = A,T,C or G

<400> 2544

ntatacacgg	agcattcatc	gttatcgcca	actcanaaca	ctcgcctgccg	naccacataa	60
cattaaaaact	taaactttat	tcacgatgcc	ttcaattctc	aaccttggtta	cccgatccga	120
tatgcctgcg	gattccaatg	gtcacaanga	cagcatgaca	acctgatgct	tggccttctt	180
ggccttgtct	tcctcggctt	attctggggg	gcattctggt	ncttttncgn	cgcgcctcgn	240
ttaaaaaca						249

<210> 2545
 <211> 587
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 2545
 aacaaaagcc cttttggcga cgtttggtca tgcagcata ctctacattg tattaactca 60
 ttgtcccacg cttcaccgct attcttggag accgtttttg ctctgtctca gccctcccgg 120
 tgcattgcgc aaatcagctc cgtcgcata ttccttggct tgaaaccgct ctctgccatt 180
 gtcgataaga gctacactac tactgtctctg cgatcatctg tctatttaca atcgagcatt 240
 gtacccacgt gccgcgtcgc ctgtctctgt taggattacc tttgttgaga aaaacaaccg 300
 agggctattt attgtttgcg ggccctgagtt cctattcagt actgtaccct gctgctgcac 360
 gagatacttt tccgcgtgca cacttctgca ggtccgatct ttgggggggt ttgccgataa 420
 cttttttttc tccttatcct gtttaaaaga ttcttgggtg cccctcctcc tccggcccct 480
 ctctttccat catgtctaca aagcgagaca ctcccgtct acaaccctac ggccactgaa 540
 ccngangtac caacatggcg ccaacacgaa aaaaaaagtt gccgaat 587

<210> 2546
 <211> 222
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(222)
 <223> n = A,T,C or G

<400> 2546
 nttgcacctc gaaaaggcta tnantcttgc ntatacnccc actatccnc atgaccaacc 60
 tgtcgccatg gattntttgc gtcactggga aattatgaca attaaaaact gcctggggaa 120
 aaaaaaaaaa aaaaaaaatt cttgcggccg atctaacctn cttgtagagg gcccaattcg 180
 acctnttggg gagtgatann caatttattg gcccgggggt ta 222

<210> 2547
 <211> 634
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 2547
 cttggaggcc gcacngggtc tttgcaccag gcgattgtgc caaggtcaca cagaagctca 60
 cccacgtcgt cgacaacatc cttcttggcg acgacaagga agagaagaag caactcaaga 120
 ttgcttttgg tctcctcggn cttcgagatg atgatttgcg cacggccatc tctcaaggta 180
 tcggagccct acagagcaac aactgggatc ctgcatccga ctcttccagc ttcgggtctgt 240
 actgcggnag tgtctcttcc gacgacattc tcttcgagag cactcgacac ctgcgcctt 300
 atgtcaaaaa gtggctcatc tccgctggnt acaagaaaca gctcaagnat atgacaaatc 360
 gnttntctca ctacattggc tacataaggg ncaacgggtg gagtgacaag tctggggcgc 420
 tgnaacggaa gaacgctaga acaagngcta ctctatccgn ggggcaatgg acgaaataag 480
 cttgacccaa aacatgntgc gccaggggga atataaantt gcnacaatgg ggggaactggg 540
 gaaatnggaa ntggnggccg aggacaactt ccaaggggct cgcnatgggg gcgaaacaaa 600

acattcctgc ggganaaata aaatnctacc cncc

634

<210> 2548

<211> 571

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(571)

<223> n = A,T,C or G

<400> 2548

gcagatagca	atgaagctgt	ctagagttac	gctctacatg	ctcttgacag	ctggctgtcg	60
aggtgcatac	gttcagttcc	aagactgctc	tgaggggtcat	gactcttctt	cactcattcc	120
tgagagtttc	cgcgcacogg	ttgagagggg	aagggtatcc	ttcgactgga	agttcgatct	180
cattgctgga	ctgatggatc	gtaactcctg	cgaagttaac	ctttctaata	ttattcctcg	240
attctcaatt	gtcgattatg	gaaacgccac	tccttacgtc	tccggtcaga	ttgtcaataa	300
ctcctgcttc	acaacccaaa	ggattggctc	aagggtcgaaa	ttcaccatta	ttacttcatt	360
taaccggtca	aagctactcg	acacgtacaa	gactaccttt	gagttaacca	gccccgacaa	420
caccacacta	tcttgcgctc	ganctgtttt	aactcccgca	gttcccgagg	cgatacgcct	480
cccttggtct	ctgggtttcc	aatcgttgtt	tttcgccttg	ggcttgtttc	acagccatgt	540
tggccagtc	gacnaaanca	cgaaggccca	a			571

<210> 2549

<211> 590

<212> DNA

<213> *Fusarium venenatum*

<400> 2549

taggactaga	catttttcta	ctattttgcg	tctgcggaaa	ttacgactgg	atttgatcaa	60
tcatgctcca	tggccgggta	cctctacgcc	atccactcat	tacctcetta	ctttttttta	120
acaatacgcc	ttgatcgaa	cgactggaga	agatgggaat	aatgccgcaa	gtgccctact	180
agaagtcata	cttccctctg	tccatatcat	ggacgtcgtc	ttggcataag	ggcattttag	240
cggcactcat	acccgcgtgt	aattcgcacg	tttgttttct	tttcttcacg	actgggagtt	300
ttgtctcctg	tgtacaaaatt	ctcttcgtcc	ttttagaaga	cggggataaa	cccaaaaaga	360
ggaggacgat	aggtcctttt	gggacatggg	ggatagtgtg	atacagagca	aggtgtcaca	420
ggtgcactcg	gacgcgggga	cggacgtcaa	cccctgagag	atattacgaa	ttcagtgggg	480
tgactggaag	tacgggatgt	tctctcgtcg	ctttatttat	ttttcaactt	ggttggttat	540
ttcgcctact	atcatggttg	tgggtccccct	gtatgttagg	aattcgcata		590

<210> 2550

<211> 560

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(560)

<223> n = A,T,C or G

<400> 2550

cgcttgctgt	gctatcggtg	ctttcatcgt	cttggttttca	ccgaaccttg	cagccgccat	60
cattggattt	atcatttcga	ttttaggata	cgtcatgcct	gtctctttgc	ggtcgttcct	120
tgcttcacaa	ttagagaagg	acttttctgg	acgactatcc	gccggcattg	ccataatgga	180
gacnaccggt	ggtctcgtcg	gacagccctt	tatgacagtc	acctactaca	ctgagagtgt	240
accttttgtc	atatcgctgg	tgacgtattt	gatcatgctt	ttcttgctta	tcgggctagc	300
aatcagactt	tgatgtggcg	aggaacagta	tacgaacacg	aaatctcagt	gaccggcatc	360
caagtcttgc	atccgggtcg	agacttgtcc	taatatctta	atcttgggtt	aatttatcaa	420
gcnaaaggaa	tgggttantt	tcccttgtca	tctttccatat	cgtctgctca	acgaagtcaa	480

cccatcggtca ctaataattg aaaatcttgg ctctacntca atcttccaca gaacatgaat 540
ataagatcaa tgcataattct 560

<210> 2551
<211> 832
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(832)
<223> n = A,T,C or G

<400> 2551
gaagacgaag agcctgttgg ctttttcagc ctccagccacc gccgcgccaa ctaccgcaca 60
acaaaaatgg cacctgctgc ccaaggaatg gaacgctccc cccgaagagc tcttgaggca 120
ttccccgact ttggatttac ccatctctgg aacatggctc ctctctggga ctccaaggct 180
aacgctgctg ctgtcaagct gcagcgtgaa atcgattcac tggctcttga gggcctattc 240
agcctgaatc atgcgcgcaa caccttccgc actacctccg caagccccgc agcgcttgac 300
acacggccca agcaacgcat ctccagcaca tctctgccgg tgetcacctc agatagcctc 360
tggctcgtgc acacgctcgt caaggatgtt agcgaagtca actggctcgc tctcttcaca 420
gtcaggccga gagcaacctc gggtgcatcc ttctctgatg acgaatatat catgtctgta 480
cctgctctta ccagaacctc tttcatcaaa gtccgagagg tcccaccctg ccgcgactcc 540
tgcaagagtg gctcgtctgt cttcgacgag ggcacaaagc tgggatctgg caagaccttg 600
gaaatcgata ccgaaggctt ctaccagctc tgggtcaaagc ctgaggctga tgacgagcct 660
gttatcgctt cggatgaact cttggaacc atgaacaacc gcttccttga attgaccctt 720
acaaaagagg cgaatttcgn ncaagtgtat tccgagctcg gnactttcca agcgtggccg 780
caccananaa gggcccgctc ccccatgcc tatgtaccct ggctttttct ng 832

<210> 2552
<211> 301
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 2552
ttatcaacct cattattcat gcgattnacc aagagaccaa tatcattccc acgtttacct 60
tcacgcncaa tatcctgcca gattaggatg gcatgatcta agtaagctcc anaagcccg 120
acccaaaatg cctactcaaa tccgtttgaa gtccgggagc taactacata tccctgcatc 180
ttggcgaaag gcattttcac atgtnaacat gagagcttgt tctntnattc cggagcgccg 240
attatcgatt gctgtgcagc catccnctc atcattttcc gtggcancat agagttgctg 300
t 301

<210> 2553
<211> 292
<212> DNA
<213> *Fusarium venenatum*

<400> 2553
gctgctagca tcaccagcaa cgacgccagc gagcttgccg gccagatccg agccatgcgc 60
gacaaggctg agcgtctcgc catctaagat acccaacgaa cccgaggagga aagcaaaaga 120
tggaacacct ttctgtctgt gggcagccgg cttcaaaagt ctgtttgttg ctgctgagat 180
ctgtcgccga actttgatga ttccggtcca atcatatggt gcaataattg gtgtatgaaa 240
ttaggccctt gggtagaata gtaatatcat caactgtctt gacgaaagcc ca 292

<210> 2554

<211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 2554
 cccgattgca atacactact gtcaacaacg cttggattca tgaacaccac tacatcgccc 60
 atttctcgac atttgcttgc aattctgggc atcaaaaacg ctctacgaaa ccccggtctt 120
 gggcttaccc cgaacccttt cgttcgccct tgggggctca cccagccgcc cctcccgttg 180
 ccgctccact tcatcgccgt catctcccca ctggaacacc atcgctctaa ggtaccgact 240
 gcaactgtact caatcangac ctgggtctta tagtacttcg caaagtaaaa gcacaatcat 300
 ggcagctcct gcgaatgtna aggtctcggg gccccaaata gtanctttct cgtgggctat 360
 cctgggtattt cagcgactct gccgcgcac gaaggggaaag tcnaaatatn tctggccagg 420
 cttttctatg cccgtaccgg tctctctcgt ccgaatatgt ctacagcgcc gaaaaacaat 480
 acatcctgat gccgacagca ttgcgaaacg acatttaagc gtcctcgcgc gcgaaacaac 540
 ggactggtcg gcaaggaaca ctctctcttc nangttcttc tggaaaanaa 590

<210> 2555
 <211> 150
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(150)
 <223> n = A,T,C or G

<400> 2555
 ngccantggt tnccccccng ggggggggggn gggccttnaa caaggtggcc cttggtgggg 60
 gccnngggg gcggngtgc nccccctcgg nggcttggan gggtttaana tgggggagg 120
 gggttnaggg gtaanggggt tggttaagttg 150

<210> 2556
 <211> 565
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(565)
 <223> n = A,T,C or G

<400> 2556
 gtcggctatt ttgaattctg tggccgacag ctgcatectc cctaccatct tcacctgttt 60
 gtctccccag ggggttagaa aatgcccaat gaggggtgagt tgccatatcg ccacggctgc 120
 actggttttag tcggcggttat tgtggtgcaa ctttgtacac tgcagagcat gatgacgacg 180
 gttgtctatg gaatcctggc attatgcctg cgctcacgct cgatgttctg ggcatttacg 240
 gaaaccacaca ttgccttgac ggcgctaccg ataccttcga ttttcagaac aatcacgtcg 300
 ttgtgttttg attctgagtt gagggaaacc caaggcaggt ggcgggagtg gccagattg 360
 catctctgac agttaagaca gatcanggta aagttccggg atctgttccg tgatgtctgc 420
 caagtcagca aatttgagcc cgctttgacc ttgtcaagtt acctcttggg cacgtttngn 480
 tgaagtcctt cngtctctcg gtgcgggggt ctgtagtaaa tgccgttanc gatgggggct 540
 tgaacgtctt gncctgaaac tttgc 565

<210> 2557
 <211> 162

<212> DNA
 <213> *Fusarium venenatum*

 <220>
 <221> misc_feature
 <222> (1)...(162)
 <223> n = A,T,C or G

 <400> 2557
 ntaacanaac ctcaactgagg gctgncnaca tgaagntaga tcnttcaggc taaaaaagca 60
 tctagntatt gnacaatgag aaccanttaa cccatggtaa agctttgcag gngntaaacg 120
 gnatcatgga aatatcttct tgcggtngtt ngagcatgca tc 162

 <210> 2558
 <211> 627
 <212> DNA
 <213> *Fusarium venenatum*

 <220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

 <400> 2558
 atctngccca caaggtagca tagcactctt caggacacct tctcccgagt cacatccgtt 60
 cttcaactttt gcaactcatc gacggtaactt tgcgaagcgc accacttctt tacgtacgaa 120
 atctttacgc cagatcttctg aaatggccga ttctttccctt gccgncaacg gcaactctct 180
 tcttgagacc accaagacca acgcgcgcnt gcgtaccaat cggttgcaa cggggccgtt 240
 gctcaaaatg tctatggcca cactcagaaa gcttccaccg agctctctaa ccttgctgnt 300
 tntcgacgca ctctgcgac tccggctggc actggccagc ctcttactca ctatcactcc 360
 ttcttttctg agctcctgtc atggaacaac cctngcgcct ctgntatcgn ttatgccacc 420
 attggttctg gcatcttcgc tgnacganac ttaaattggtc tccgatgggg ncttaagana 480
 tnctggatgg nccttgnggg gaacattctn cgctgagggg cttggnaagg gtaatcttaa 540
 caatgggctg ggntactnaa gggtcgncct cgacgaaact acacaagttc ctngngagaa 600
 ccttgacgc cggatatttg ngaacgt 627

 <210> 2559
 <211> 337
 <212> DNA
 <213> *Fusarium venenatum*

 <220>
 <221> misc_feature
 <222> (1)...(337)
 <223> n = A,T,C or G

 <400> 2559
 cttgattata ttttctcttc cccagccct gtcaaggcat ctaancagaa gaaggtnntt 60
 gaggccgatg ctaacgccaa cattgtccac atcgagcctg catctgcttc tcacgctgcg 120
 gcttaagccg acgccttgat ttgcattgca catgcttgac aggggggccc gccggctcact 180
 cccttttttag tttctataac agcttgagtt caaattgggt gatggagtat gttancacat 240
 tatgacgaga ttgcgcgctc anatgttggg tcctaatact acattctttg nggataataa 300
 tacaatctca atacttgccct ttcnnaaaaa aaaaann 337

 <210> 2560
 <211> 751
 <212> DNA
 <213> *Fusarium venenatum*

 <220>

<221> misc_feature
 <222> (1)...(751)
 <223> n = A,T,C or G

<400> 2560
 gcgggtcacg aaaccaccca cgtgtcggcc accggcggag cctcacgctt nccttccccg 60
 cctccgtcct catcgctgc tgctgctacc ggtcctgctt atgccgatga tgcaaagaag 120
 ctcgcttatg ggcatcttga cgcgaaggga ctnttggtcc cttagggtcac gctttcgcgg 180
 gtccccggctc agtttcacat acccccactg ctcagcaacc atcccccgca tccgacgatt 240
 tccaaatata caaccagct tatccttctc tggcgcaccc tcgcaaccgc cagagcagac 300
 agttatacat atacgtgact tggcacatat tcagagtctg gccagcgccg acctgctatn 360
 tggcaatggc ggatccggca ttctaaacga cccctcttcc acaaataaag tatgaaatca 420
 gtggcatgcc ataggggaca ttatcgagat ggtgggtgcg ctattaacaa agatcactac 480
 cacaaatgat ctacagcacg atgcgatgca gcgtaatggt gntnaccaac agcagggcaa 540
 ccaatntggg gatgcgagcg ggggntngaa ctcgntttga atnatctggt cttgcctttn 600
 tggnaagaat gtncctggcat taccatcctt aagtatttgg cgaggaacac aaaactggcc 660
 taccacttac naagattcct tancctttgg atantttgac nctgaaaaac gagtaacnat 720
 ttggnacnaa aacaaaaaaa ttnaagggna a 751

<210> 2561
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 2561
 accagctcct gacttacacc agagccgcag gcaaaaaatt aacttgacgg gatccatagg 60
 tttgcgtttg cgccaanaaa aaaaaagcat cccagccttc ttgacttcat cttgcattct 120
 agcctctgca cttccacttt acaaccacag atattcatac taagtttctc tatactctgc 180
 acctgcgtgc cccagctntt tccccatagt cttttgaaaa tcaatgacgc tgaggtagca 240
 atnngggaag ctctagagat agtgagagga tctctaggag caagcaatgc tcgttacaaa 300
 acacgctgca gagctttgtg ctctcctagt caatgacctc catggtgaac ttccttcgcg 360
 aatcttgaat gcgctactga ccaaaggccg ctgcagcatt gcgcaactga tccaatatac 420
 ctntcttact ccacgatata tgcgaaatgg cctcgctgtc ttaatccagc aaaaccttat 480
 ttaccaccac acagatcca ataccaacat caccagctac caagcaaatt ccgatgcctg 540
 ctacaatctt ggtcgggcgg gcaaaattct ggtgtgataa aaacacaata tggcactggc 600
 gaacgggaac ttacccaaac ttttgatcca gn 632

<210> 2562
 <211> 337
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(337)
 <223> n = A,T,C or G

<400> 2562
 cctcgggtcat acttaattaa atcagttaca atgggctcta tctggaacgc tttcactggc 60
 ggcaacaagt ccggccacca gcagcaacag cagcagtcgc agtcatacca gccacaaca 120
 caagaacccg cgcactactc ctccctacgac cccacggaag gccagggcgt cgagtccttc 180
 ctccagagct ctacctttgc cgaccctcg caattacatc ctctcgccgg cctcaacaga 240
 natagctcg aatatatttc cctcgaggac tcaccttgtc cgagttgcct ggnnggaatc 300
 agtctgcct ntcgtggctt caaaatgatt gtgttac 337

<210> 2563
 <211> 120
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(120)
 <223> n = A,T,C or G

<400> 2563
 nccactnacc cttttttttan ggggggtatng ccagaagac cggtccttgt ctttttctaaa 60
 gacggacccc tngtcaactt ggggtttcacg atcaccccggt ggnagaaaaa acccgttttt 120

<210> 2564
 <211> 154
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(154)
 <223> n = A,T,C or G

<400> 2564
 nttaaaaaag gnanngggttt tttcnctngg gaaaaaggac ccnaaccgna cttaacantg 60
 tcccaanaaa atgggcttaa aaggcaacaa anaagganaa aggggaagcn gaaaaaantg 120
 naataattnc caatcanttt ttgtactttt ggac 154

<210> 2565
 <211> 571
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

<400> 2565
 aaacaaccaa tcctgggacc ttggcgagcc cgaattaaac gatcgcggcc aacccgtaat 60
 ccacaacatc gcccaaaagc tcggatgtat ccgccccaac agcgacatcg atcttcccgt 120
 gcactcggtta ttccctgagg acgaggccgg catggctgag ctggctcgac agctcgagga 180
 tcagcagaag gaacacgagc ctgcgaagga agccatcaag gacacagact cttcagtgtg 240
 taaccgaacc gagagagcgt catcatcgga actcgatcat tccgacgtcg acatcgaata 300
 tgactaccga aaagctgcat ttggcaacac caacgccatg acctttcacc gaagagctta 360
 actggctctc ccgacttcga ctttgccctc caccacccga aatcgatgct tcaacactgt 420
 ccctcacaat ctccttcaat gaacaattcc cgcctggcat gataagctca atcacgattt 480
 atatgcaatt ctacacagca acacaacgna gatgcacatg anagtgatcn gggttctggat 540
 cgategacat aacctcctct tcttctaccg a 571

<210> 2566
 <211> 447
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 2569
 tttttttttt tttttttttt tgagagagag agacggaaat tttctaagag tgaacccaaa 60
 accctgaccc gttgatttga accatatata ctctagttgc aaaggcaagc aaaacgtgaa 120
 agcaaagcaa agcaaggatc caagctgtac atagtactgt actgtgcgtg ccacttgcaa 180
 cggagaattt aacaaaaaga ggggtgctcat tcgcacatgg catagcatag cccgtgtcct 240
 gtccgtcctg tcgtatcctg tctgtgtctg ccctatcccc gacccaaatc gccttgtgcc 300
 cctgtagcct cgcgaaacca ttttatcatc taggtgggtca taaatganaa gcatggcgaa 360
 gggatcggc atgtactcat aaaaatggag ggcaatttct accatgggtt tcgctcatgt 420
 gacaggggtt gcgtggggga tccgtgggag tttgaggggt ttaaaacctc ggaatcattt 480
 gcatcaaggt caatgtttgc ccgccgtcaa aacgagataa ttgctcnggg aaat 534

<210> 2570
 <211> 493
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

<400> 2570
 gccgacctat tgaggaaagtc gagcaagaag ccttgagcaa tgtcttggaa accatggcca 60
 agtctcaaga caagctatga aaggaaactg tgcccattat atcatcttga tacacacgac 120
 ctctaccaat actcatcgac ctaccacaca acaaccacac acagcacatc cgcccaccat 180
 taacattatg tgaaaattat cattgagcag ggagtcacag cgttatatgg ctatttgcac 240
 tatggattta ggagtttaat atttgttcat acctctatct ttacacggcg ttaaaaaatct 300
 tgcatttgcc ttggtactca tcttcggaca gctccccggc gcagcgcgat aaagacaagg 360
 tcgggcaggg caaggataag caactcaacc agttgtcttg ggcaagcttg gnccttgggt 420
 catgccccat cgttggccct cccccgaaa tgtcanantt gcaatcgctg ggtnccgaaa 480
 cgcgggggtg agg 493

<210> 2571
 <211> 416
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 2571
 aggaaggatg agcccacgtg ggagcccaag tctcttgcgtg acattggcgg caccaatgta 60
 gccaagccct tcttcgaata cgactcggcc aaggagctcg agctcttcac cgaccatact 120
 tacaacgagt acccttacca ggggctcggc gtgcctacag agaaggagat tgaaaagggt 180
 ctttcaaagg gcacttgac tcgggaagag ctaaccaaca agattgttgac atcgcgcaac 240
 ggtcgccaag gcatctntga agttgttacg gagatcatng accggaagac agtgatggac 300
 gacaagggca aggctgtgtg ggtganggat gaggttgccg ccggaagcaa actgnattct 360
 acatatgctg caattctttt tgaataatct gtaaaaataga agtnactacg agatgt 416

<210> 2572
 <211> 594
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 2572
 gtggttagcgc tgcttcgagc ggccaagtga caccgcgcga taacacgcaa ggccaaatcc 60
 ctctgcgggc tactcaactct cggggtctct ctggaaaatg ttcctatgct tcagggaat 120
 gttattcctc ccagtgggtcc catgcccact atgcgacaaa acgtgtctgt ctatcctcct 180
 aaccagtcat gaatggacag gccccttcta ctggcgaccc tgttcaacaa ccagtatgg 240
 acatgcccc ggcaacttta ccccaaccc tgcttccaac ggcgctgcta anggtagcgc 300
 cnggcctacg antcctgcca acggcagcac gggcaacgcc ggggaanctc agtgggttta 360
 gacttacaag tcttgcaatt gaccgcttgt atagtactt catnacngtt tccgtggcac 420
 cgccgtattg acaccgtac aatcacaatt tctttgatct gtctcanaac ttggccaaaa 480
 ggggcaggcc gatccatga atganacaan actccanact ggtctgtttc ntatcatcaa 540
 aaggcctaca gganaccnct atcctggggg ctnggtcaat ttcttcttgg gaaa 594

<210> 2573
 <211> 406
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 2573
 taattctggc ttctacttgg aaacaagtct gaatagcttc acttgatcgc nggggtatag 60
 acccacttac accaggacat acctatacaa cgaacctcat cctcgctccc anaagagtat 120
 caatcnccca ctgcccgaag gaanaaggaa gcgnggggat tcnaatacat acaaacacc 180
 ttgaagtgcg catcgattca aaataaccat acgatatcga acgacgatgc atcgctccgc 240
 tgttctactt gcccttgggg ttctcagctc accagccgcg cggttggctc aagtcanaacc 300
 aagaagtgtc atgggaacct ctgcgcagac aggcntctac ggcctgaagc tggcgaacaa 360
 gctaatatcg ccttgggatg gagtnctgtc caacagagcc ccccg 406

<210> 2574
 <211> 558
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 2574
 acgacgaaga acaggcgaag aaactgaagg gaagactgag aatgccgcc accacaaagt 60
 ggagggagtg gtatagcatc ctgttcaatg tcaaaccoga tccccctgaa attccttcac 120
 catattatga ttcttctcgt cctggcgcca aaacccctg cattaaactt gatgaagtag 180
 aacactggcg cgaatactgg gaccaagcaa aaccggcagt ccgtcaccac gtcacaaaaa 240
 cggtagatga ggcattcgtt gactttgtac ctcaaatacaa gggcgagggtg atgcagcgtc 300
 tacaagagtt acctcgcata cttgcagagc tgctcccttt cccaggtctt aactccgagg 360
 aaacctcttc agcaaccgat accattgggc tcttcgactg tttcaactct ttttgacccc 420
 aatgtctatg atggggaaaa tttcgacttc agcgtacttg ataacgaaat tggcatccag 480
 aatcacttca ctgggggtcac tgagtcttaa aatcttnaga tcatatntgg ttggcgacag 540
 tnaggccctn tgnngaga 558

<210> 2575
 <211> 563
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(563)
 <223> n = A,T,C or G

```
<400> 2575
ctaaaacaag cgcttcaact tgctacatat cacaggcata tgatctaggt acaattaata      60
atgtgctcag cctgttttga tgccctggct gctatattct tggctcacta ctattctgca      120
ggttattatg acttcctacc cagaagcgac accccaagac ccttgacat ggtgatgatt      180
cncaggggta tcatcgcaagg gggcacgggc cctttcgaac angaccatga gatgcatatt      240
ctaatagangt gctcgtcaaa catgcancta tctccatatt ggtgactgga tcaaagtatt      300
tcatcttggc atgcatctac acactaccta tctacagccg caccagacga ccaatctcca      360
gaatccaaga acnacacggg ctgggcccgt ctctactatt tggggtttct ctatctcaaa      420
aacctcggcc tacttggtga gatatatccc tggtccaaag gattcgggtc gcagtcctac      480
tccngctaag ggtgacacat nnataaatct nggtggggtg aacgtgaatt acaacctccc      540
ctcgggccct atcactttgg ggc                                         563
```

<210> 2576
 <211> 359
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

```
<400> 2576
natataaggc ctgagagggt tgtctgcaaa cagttggnac aggatcttga tcatttatna      60
aaacatgcgc cagttccaag aacaaanctg tgggctctgc aatatatacc anaaacgaac      120
ttactcccaa tcaactctgt gctggncnng tgttaccaag tcctngactt acgaattgnt      180
gactnggaaa cnactaaaan ctnacaaaag cnagcggaca gctatgtcga ttntggattt      240
gganacaacc nactgcttcg gtgggtgtaac aggttcnctg ttgngaaaac aaaacaaact      300
gtacagnana aggcaaaang gttaaatacn ttccaaaaca tnnctgtgat ccaacngcaa      359
```

<210> 2577
 <211> 490
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(490)
 <223> n = A,T,C or G

```
<400> 2577
ctttcatttt ttttacccaa cctgtatagg caactaccta caaacgatct atacacttga      60
cctgatcaca agacctgtcg ctatctctgt tcgaccgcaa gcgcttacat ccgtacatcc      120
cgtcttctat gcgcgggcca tgtcagcaac aatgggtcatg acaatggcac cgccgactct      180
ctctgccgat tccacgccgt gctgcccagg atgcggctac tccttacctc tcgatcacag      240
tcaagttcaa ctgctagaag cacaagcccg tatcgaagac tcgaaaacca ggtccgacta      300
ctcaacgaaa agctacagcc gccgtggatc gatgggccga ctacnaaaac aaatctctat      360
tctaaggggn cagcttcttc ttcgacaaca cacaaaaact caacccagc aactcctaca      420
aatgtcccat gtnntttttc aaaacggacc agccgggtctc tcttctctcn cagcgaact      480
cnnacttctc                                         490
```

<210> 2578
 <211> 509
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = A,T,C or G

<400> 2578
 ctctagttct aatttatcta gtcctggcga tcggacatcg tgggattaag cttattcttg 60
 gttattttcc ctcatcggt cattcatttc gttgttattc gttttgttct tatttccatt 120
 cattctttat cagccaataa tctcggatac gcgtgctaga gtttgattca ttaatcttca 180
 ggacgacata gtattcgagt caccaagggt tcagtttata acagccctgt tcgttggtcaa 240
 ttgaaaccag gatcatgctg acttttacta ttctcgcttc tcttactata ggagcttctg 300
 ctggcacagt ctctgctcct ttcgtgaaca tggctttcac atggcgcttc catcgacaag 360
 cgcaatactc taaatctaga agctctgaat aacatcacgg gaggaggata ctatgcagaa 420
 ttccagatgg aacgccnctc naaacatcag cttccttctt ganactggta tatganactt 480
 ggtcactcaa caacaccgat ctctgccta 509

<210> 2579
 <211> 541
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(541)
 <223> n = A,T,C or G

<400> 2579
 ttcttgagat cgaatctgag gaagaagaga gcccaacatc tcccgtttcc ccatcgcaag 60
 agcttgccaa tgtccaggac gctagaagcg ttaatctggg cagaggatcat gtacgcaact 120
 tcagcgctgg gagcgcaaaa ctactcgata tcaactcccc agcatctggt gatgccagag 180
 ggagctcaga aaggcgagga agccacgtcc taccagctat ttgaaagccg agctaagggt 240
 taaccgttcc agaagaaaag tccccgcagc attaatcacc gtcaattcga cacatcacac 300
 tcctttcatt tccttattgn ctcaactgac tcagtcactc cttaccatt ttcttatcac 360
 ttgncaagca aaaccaagaa actcttaagc atgggggaaac acaaaaaagc gatgcggact 420
 ttttttttgt taacgaaaac atttaaaact gtttctatat ggntgggttn ggcgtnccgac 480
 tcgttttgtt nattacacga ccttgtgacc cggggcattc cgngtcttac taggattttt 540
 t 541

<210> 2580
 <211> 262
 <212> DNA
 <213> Fusarium venenatum

<400> 2580
 agaagtactc caagggtgga tatgtgcagc gagaccctga ctggctggag aaggagaagc 60
 ccaagaagct ttgcgaccag gcccagaaga gtaggaagac cagaaagatt cctcaaagca 120
 agcagtaaat tacggcacta tcacaacaat atggacaatt tttttccatt ttttttttta 180
 aaaaaaagat ttgattagca tgtatcgtag tgttgagga ttcaaggga taccttctgt 240
 cctggcacga attgaaataa at 262

<210> 2581
 <211> 165
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(165)
 <223> n = A,T,C or G

<400> 2581
 nacnaaaaag ttgggtntcc ggaaacggat cttaccctta accttggcgc cggtgccggc 60
 ggnccaaaac cagggnttgg ggatttggng gacaacnccg gggtcgtcgg gggnaaaaaan 120
 gaancggtnt tttnaaaccc ttgacctang ggacttgtgg ganct 165

<210> 2582
 <211> 190
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(190)
 <223> n = A,T,C or G

<400> 2582
 nccccctggc ngngcactta tactgtcaaa aaaggganac ccnactttta cccggnggggn 60
 ttttttngga anaaaaaccc gctntttgaa naccnnaat tggccaaaag gcccgnctcc 120
 ttttttngga aaaantgggt tttnttatcc ccccggaat tnaagnttaa acccctntaa 180
 cccgaagttt 190

<210> 2583
 <211> 116
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(116)
 <223> n = A,T,C or G

<400> 2583
 nttaatacnc ttggacngag aaaactttgc gagctnnctt attcgaatag ggcnnatccg 60
 atnttcttac caagagtnt caagactata ccnccgcgat tacnttcaca ttttaa 116

<210> 2584
 <211> 258
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(258)
 <223> n = A,T,C or G

<400> 2584
 ngctctcgca atcaacagga cagtnatcaa ccaagtacct aaccaaattc ancaagttgc 60
 tttgctggtg tgnggacaac cagactgaat ctgcaaagag ggctttggaa aggggcgcg 120
 aaagtccctg gaagccataa aactggcggt ccaagcggnt catgcaanan atgattgcat 180
 acccagtttc ctaacaaagc gcaccgatcc acnaatagtt gacgcgangc ccttcacatcg 240
 gttcttttta tccatgan 258

<210> 2585
 <211> 131
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(131)

<223> n = A,T,C or G

<400> 2585

naaaanacaaa	tgccgntgac	caagatgatg	gcccnctgaa	tgntattgat	gcccgggtggn	60
acacaacnat	tttgggtgttt	cantggaccc	caaaaaaccc	tggtggggcn	agtgctgggg	120
aaaaaaaaata	n					131

<210> 2586

<211> 364

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(364)

<223> n = A,T,C or G

<400> 2586

cgcaattggg	agcatggctg	gtcagagaat	caagcaggcc	tttgattcat	gaaactggcg	60
ccagggcagg	tgcgaaggga	aacctgtct	ggaagcagaa	tgaaaaggaa	taagcgggca	120
tgcattcaac	aggttgggag	aggtgtttg	ttttgtacg	tataggattg	gaagctggca	180
gncaaaaggc	gcaatgagaa	taccaagtca	attgacagca	tattgaaaaa	tgacgacttg	240
ctaggattaa	gaatgttata	tgcgatattt	tagatttaaa	tgggaaactg	cttggaatcc	300
cgttttggct	gggtttatcc	cgctccatg	gttcogaggg	ctgttttgcg	tagggngtgc	360
ttcc						364

<210> 2587

<211> 323

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(323)

<223> n = A,T,C or G

<400> 2587

cgcgaaatcgt	caacgaacca	acaaccaggc	tctgggtaag	cgactnttta	ggacacagca	60
catattatcc	cttgacggga	agatcgagct	atagtataca	gtacggccga	tgcntattca	120
aactacgagc	nggggcctca	gccatctccg	atggcttgca	tacaaccaat	atatgtcccg	180
aaatccaaaa	ctctgggaac	cggagggacg	acnaccaacc	gccgggatac	tgtgttacat	240
ttaggatgct	ttcgttctcg	ctcactcaan	aaaaaagcaa	tgaatagtta	aatgtatta	300
cgtttgtttc	ctcctgtctc	ttt				323

<210> 2588

<211> 120

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(120)

<223> n = A,T,C or G

<400> 2588

natttaanat	agcctctann	tccgaaggna	tnggttanac	atntaaaaga	cagagcncat	60
tngacactna	ggggtggtcn	gaaagggntt	tttgctancg	gtntacatga	ttggggatta	120

<210> 2589

<211> 259

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 2589
ctggcgatga agtatcgenn cggtaaggag tggacccgat ataatagaaga tgcggaagtg 60
agggcgtcag agcgatttgg caaggtcttg gaacaggttg atgaaatggg tgaaggactg 120
aanaaagaca agagtatcga tagaatgggn ccccagagaat ttgagatggt gagaaactaa 180
aacgaggata tagagcncgc acagtataat gagactgtan actacgaatt gcttgaatta 240
aaataaaaagc ttagatggt 259

<210> 2590
<211> 413
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 2590
natgcgcaat ggtgacggcc agatgacgat gatcctgaga gganggaaac actttgcaaa 60
gcgagacggc agacagcggg ggaagaaaga aggctaagga gacggnggan ggataggaca 120
gcgacaaacc agtcggaaga aaatgcngag gagcanaaag aaaacctaac caaagtccaa 180
gggcgagaa aaaaagcagt taaaaanccg tnatgangct gaagcgctc cagaanatga 240
tgtaccacac caaggcaaat cccaagtga tgggtgaggta aaggaanaac aaggaaaaaa 300
gcttgagggt aaattggcgc accgggggtg gaattcatgc ctaccaangg ggtgggaact 360
ggtttaggaa aaanaaggaa ggaaaanccc cgnttgcatn tattnaaccc cct 413

<210> 2591
<211> 358
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 2591
tttttttttt tttttttttt ttngattgat acactctata caaattctta tacacaattt 60
atcatacaac catccccaat gccggaattc atttatggct tcttctgtcc gagaatcctg 120
gcatgttgct ttccagccgg ctttccagtc tgactggccc gtgaccgtag agtatatctc 180
tcctttcttc aggcaaacac catctgggtc acactgccc a tgctgtgctt gggtttgccg 240
atgtatgtga gacgagcacg tcgtgcctc ttgggtcgtc gccagataat atcgataccc 300
gtcactgntg ggctgtgat cttgaaccac atctnacgcc caccttcatc atctgaat 358

<210> 2592
<211> 583
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(583)

<223> n = A,T,C or G

<400> 2592

aagggcatgg	catatcttca	tcttgcgcat	acgttggcag	atgctttcaa	cgcccttgct	60
gatgaagttc	agaccttgac	agatcgaaa	actgtcttgg	agcacaagtt	acgctttgct	120
catgaacagt	tccaatatct	ggctgacaaa	tatgctccgg	ccgcgcctga	aatagccgat	180
accctggcta	agctccagat	acctccaaat	acacctcttg	ataattcatt	gcctgttcct	240
ctacctttgc	caagctcgta	cagctccggc	tcccaacatc	agcttgccct	cgatcatccgt	300
gacggacgtc	gagtagctaa	tcagcttgcc	tcgctgggcg	aagcgagtaa	aaccactgcc	360
tctagccgcg	agactgagtc	gcaactttcc	cacgtagcca	cctccatgtc	gaccgcgcta	420
gaacaagact	tcacggtcca	aggaaagaan	ggccatcttc	aatgcccgtt	ctccaagccc	480
gccacggnca	gcggctctgg	ggcccacgat	gatgatgcgc	agganaccac	tccgcaccac	540
tcgggggacc	catctgcgca	gccatgttcg	aanaatctac	atc		583

<210> 2593

<211> 597

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 2593

tgaagaccgt	gtgcttgctg	cctacggcgc	aatcaagcga	ggccaagact	cgaagctcat	60
tgggaaatgg	aagcaactgg	ctctagaggc	tgaagagagc	cagagagttg	aaaagagtga	120
tggtgatcaa	ccagttgcta	ccgcgccccaa	agacgacctc	agatcgggtg	cacgagaaga	180
cttgaagcct	tatatggctg	aaagtgaactt	tgcaaccgct	accaaccttt	ctgcaaagca	240
gatcacatgg	ctggcttctc	ggccgttgat	cctgcgcata	aagttaccaaa	gggaagctac	300
agagtgcgcg	tggaatgctg	gtactctcat	cgttgcgcac	ggcggcttgg	tccctcaagt	360
ccctctcgaa	gaacaagatc	catgggcagt	catgaacatg	cgcagccttg	tttaccctga	420
tgcccgaagg	cagtacatcc	gaagcccgtc	aaggctgata	tgatcaaggg	ggccaagaac	480
ccgctgtcga	cgattcgcag	ctttncaaaga	ngcttcagac	gaagagggttc	aagtcgagct	540
ggccaagttc	gctgatatcg	tcaagaacng	gaaaagggtt	cagcgaagaa	caaaaaa	597

<210> 2594

<211> 451

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 2594

gtaactttca	tgagcgggat	tttcataatg	catggtgcgg	ctatggactt	ggcccatcaa	60
cgatgagacg	atacaagacc	acagacatgg	acatatccga	tccaaacaca	ttttttcttt	120
cctttgttcg	cccgtttctat	atatcaactt	cttttttgg	accaacgggt	agcagatata	180
caacgacaac	aaatctggca	ttcgaggcct	ctctggtagg	gctgaagggtc	ctgggttctag	240
tcaggcttga	ggataacggc	gtttttcttt	tgtaacctct	tccttttttc	ttgacaatat	300
ccggatatct	tgatacatgg	gggagggatt	tgcatcacia	gggatcgagc	agtgggctgg	360
tactcccgag	acagcgtaca	actctttttt	tctttgcata	tttaatgaac	tcggctgaat	420
atattggctc	ttttgaatta	naaaaaaaaa	a			451

<210> 2595

<211> 124

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(124)
 <223> n = A,T,C or G

<400> 2595
 nccccggagac ancccgtagaaa gacnngggccn ttataaatct tnggtgctca ccaaaccnnt 60
 tagcggttatt tntactgggt accntancga tggganaaat accgcntatn taacaanggg 120
 gatt 124

<210> 2596
 <211> 189
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(189)
 <223> n = A,T,C or G

<400> 2596
 gaaagacctc tgagtcattg atgtatatgc aagataagaa aaaaagagag agatacgaat 60
 gacgcattttt ggggttgatta gaggacggca tctaagttag ggagggggac ctgggtgcaat 120
 cggcagtgcga gtatctatca tgactagacg aaacaagatt aacnaaaaaa taacggggtta 180
 cctagtttc 189

<210> 2597
 <211> 596
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 2597
 agctagagtt gcaccaaaca aatccgaagg cgcaggaaag gctgtagctg ttgacccaaa 60
 aagcaatgcc aatggtatga caagttcatc tacagcgcct gccaatcgc ctccgcggcc 120
 agattccaac tagcaaaacg aacggaacca gctgtcggga actgatgagg atggaatcgg 180
 attgcagcag gtagacgggt gccaaagacca catgaccgga cctcctgaaa gtgaccgggt 240
 acgagatttc gattctcctg agcatagtcc taaatcggac agagatttca tggaatcggga 300
 gacggcgaat ggtgtgataa aggacgacaa caacgttaaa gataagctcg cagatggatc 360
 ttccggtcag gataccaaca caacgaacaa cttactggga agtgagaatc gtcttccagc 420
 gttccgcggg caccgggacaa agtctagcat ctatttggaa gcgcaagatc aacctggccg 480
 cgacctagaa gtggaattga gtgactagaa caatgacaca atgcccattg caatgcanat 540
 gctgcatttg aagacctanc agcatgcacc gcaatttctt cngaattctaa tcaatt 596

<210> 2598
 <211> 138
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(138)
 <223> n = A,T,C or G

<400> 2598

nccaccacaa nccgagacgc nccncacgan cacaagaagc cggangcgcac gaacccaagc	60
cagcggggann acccgacgag nccgancacg aagacnacac cacacccac gnccccaagg	120
ngaccaacnc caccacga	138

<210> 2599
 <211> 945
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(945)
 <223> n = A,T,C or G

<400> 2599		
caagcaacca gaatactcgt tcattattca caacagtcac cacatcacac aacagacaga	60	
cattccttga catcttttag attgcaccag gagtgccttg actcgactta acttgactta	120	
aactacctcg aaggcctatt atacaaacga taccctaaacc acaataactc ttcttaatca	180	
actctacaaa ctccaatctt caaaatgggt ttccggatctc gcaacaacag agcctctgag	240	
gaggagcagc gtggtcgcag ccgtgagcca gtcccgttta tggagagcaa gcaacgtacc	300	
aactcatagc caagcgaact ctctacctcc accacaaaat cttcggcttc ttccacagcc	360	
aaggcgtcac gctcttggtt caaaccgcga ccacaaccgc ccaacgtcaa cgttcacacc	420	
tactgnggaa ggcactcaag ccagttccta tttgngggac catccctggg tgacctcgct	480	
cganccatgt tgggcaagga ttaatttcca gcatgagcat aatgagcata aacaacaaac	540	
aaaggctgna acatcatcac cagattatta gcagaccgct aatcaccgga cccacccaaa	600	
cgacctttac ttttattatt cttggatcac ctttattcat ccacaacttt naacgtnact	660	
ggntgggtacc gggacgggca ctntcattgg caagcgtggc gtctttttgta tggtaaagaa	720	
aagaagacat ttcaaccatt cattcgaaag agaccaacta cagcaatag ataccctttt	780	
tttggggggg gggagagtgg gggatacgan agatcagtgg gaagactgta ccacgagaga	840	
cgacttgatg gattacattc tgtgtagcaa tattccgtaa cgaaccccat gaatccgaac	900	
cgatacatcc aaatgcatta gtatacatag aacaactttt ttatt	945	

<210> 2600
 <211> 737
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(737)
 <223> n = A,T,C or G

<400> 2600		
gttcggggaan atgggtcaagn ttgnccttgc caaangccca aaanagtcgg ggacccntgt	60	
gcttgggtgg anaagttgnt gtaaaccggg ncnatgccct tgcaatgaag nacnccagtt	120	
tggaanaagt canccgcgac gtatgttgtt gacganagaa gctttttgaa gctttttcgt	180	
ttgaaagtaa tgtggtnaac cattttgagt gttgtctggt tggattgat ctgcgagggg	240	
tcggcgagagg ttgattcaat agtatagatt ctacactaca ctactcaatt ctactttgaa	300	
tcaaactact ctacgtcatc ctctcttcac ctcgatcatc gttcgatctt cccagttatt	360	
caagatgccc gctgccatgg aaccaccca gcaagcccct atgacctctg acaacggaga	420	
tattgtcacg cagcaaccca ccgctgagcc tcagcctgat atgtccatgc gaggtggtga	480	
agaagctgga tgcgagatct gctgtggtct ctgcgcctgt gacgagggat gctgctaagc	540	
tttttgtctc caacttcgaa catcttgtct atgaaacagg atatagacta aattgaaccg	600	
ggaaggagtt ttggcagcct tgatattgta acttagtaac tttggtgtgg attggatggt	660	
ggtcaattta agctataaag tatatcaact aaaaaaaaaa ttgcatatca aaaaaaaaaa	720	
aaaaaaaaaa attcttg	737	

<210> 2601
 <211> 530
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 2601

gcgcatgtgt	tcaatttgtg	tgggagcggc	cttacgtgaa	gatgactttg	aaaccgctta	60
ctcctatgta	gtcagccgtc	taggcgttga	cgagactgag	cgtaggaaac	aacatatcag	120
tatttctgac	gaatgggtcat	ggaaggcagc	actggatgcc	ggcaaatatg	tgcgtacaga	180
gaggtctcag	aaaccaaacac	atttaggcac	ggcgagtggg	aaccagaga	ttcgtcatct	240
cgaacagcgt	attgagtgcc	tggcaacttc	tctgcgcatt	gcaccgnctt	ctcaacttca	300
ggaagtattg	aagactttcc	gtcgtgcga	agaacaatta	gacgctgcag	tcaaggagga	360
aacttgccgc	gaggccgctt	gggatgcttg	caagcganct	ctccggactt	cctggctcgg	420
tcgatgcacc	aaatccagac	aaggnatatt	caccacgcaa	cattactgnt	agtgaaccgc	480
ctcgccaaac	ttgaagaaga	ccgatgtntt	tgttgacctg	tncagggcac		530

<210> 2602

<211> 636

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 2602

cactttttcca	tctacgagga	ggcgttttct	ctcattgatg	agattgatcc	tgccgtggta	60
gtgatcgata	ctctgttcag	accaggactt	gatgcaacaa	gagacaagaa	tcgacagcat	120
gcgttcatca	ctcccaacca	ggctattgac	aactttctcg	gagaacagcc	gtatggaagc	180
atgttttggg	aatatccatc	gatgagttcg	ggttttccat	ttccagtgcc	atggaacaag	240
attcccagaa	atatttacct	caatatccgg	tttatctaca	gtgttttgag	aatgccagat	300
cttgctgcca	aacgaaaagg	actccgcgag	agaggactca	aagatcctct	caactttctt	360
ggcatgtncc	gagatgatgt	gccgtggatt	actgtcacag	ccgatggcgc	ttccatccca	420
gtagaataca	ttccgtcgaa	cgtatctacc	acaaaccgga	ttgggtcttt	tgttgccccg	480
gctgctgaac	aagatcctgt	gcttggtgac	tgggtgaaga	aaaaaccaac	agtcttggat	540
aacctcggn	gcaccgcgag	ctattctgaa	tctcaagttn	aattatgaac	agcatggcaa	600
cgcttggnaa	ggtggnatta	agtcttttga	agtcaa			636

<210> 2603

<211> 168

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(168)

<223> n = A,T,C or G

<400> 2603

ntggcntttg	tncaacacaa	tgggactgtt	ttagtttagt	aatgagcaaa	tnntcgctgg	60
agcgccgant	gaaatgaaat	gatttgan	ttaatctgcn	aaaaaanccc	cttttccan	120
ttggcgnaan	aacaaaaagg	ccccaccgat	cgcctttcca	aaaagttg		168

<210> 2604

<211> 158

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(158)
 <223> n = A,T,C or G

<400> 2604
 gccgcgtcct cgctccaag agcaagctcg ccaaggaggg cgatatcgtc gctgctaccc 60
 ccggctggac cgagttcgcc atcggtcccg agggccggtt tgagcctgcc tcttactacc 120
 ctgggtgtcaa gaccccaagg gcattgctntt tgccttgg 158

<210> 2605
 <211> 489
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

<400> 2605
 cccttcgaag gctagtaagt cggtctctcaa ggctcatgag aaaggctcag ctcgacacta 60
 ccattgcgag taagcctctg gcctccaagg tcgatgctcc tgcgaagga ctttgcaagc 120
 aantacgacg atctccacct atatggacct gttcgctgga acgaaaccgg atggctctccg 180
 aaaagctcac cccgaagaa gctgtcaaaag aaactatgac naccttcacc tgtatgggtgc 240
 tgtttagatgg aacgagccta acggcctaag gcgtccacc gccgangaaa atccaagact 300
 acaaggatac agagctctat gcaattcggg acttatctcc cccaatctca cgcgttcac 360
 ccgaagaagc ttccaaggcg tncaaggatc tccangata ccgtcctatt cnaatgctga 420
 cactgctccc cgcattccacc cnaagaancc tcnaaacaat acccgaattg aatgcttatg 480
 ctcttttga 489

<210> 2606
 <211> 468
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 2606
 gtcacgtcct agaatagaac caagaatgac cccgagaaaa ttgctgagaa ttcaatcatt 60
 aaatacagag cccgttggtt tcgtgccgac cacggattct gccggccaac ggcaatccca 120
 gcagcgaagg gccaccattg caccagatct atgcccttcc ggcaccgatc cgcacgtttc 180
 ctctgccggc cttttaccgg aacaacccca tatccttctt ccatgttgcg tatgcgtggg 240
 taggcgaact gtggtctcca ccaaaggcgg aacctcagtt gtgcacattg gaacctgggc 300
 tgccgctaca tcgtctgttc acattacgga tgangtntct accnaaccct gttggacnag 360
 gctctatgga aaaggatatc aatcgatatna agccaattgg ttaagcttaa cangtcnaac 420
 aagantgctg atccattntn caaatctgac cgtgccgaaa cttaaaac 468

<210> 2607
 <211> 616
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(616)

<223> n = A,T,C or G

<400> 2607

gcttctgggtg	tattacgaag	tgttagtcca	aaaagggtcgg	tctaacattg	tcgatgggtca	60
tctcaaggggt	gcaatgacta	tcatgagcaa	caacggggact	gccaccgacc	cgacggggcgt	120
ctttttgggag	cgtgcattcc	gcttctatga	tgtgatcgca	gcgctgtctt	ttgggtactgc	180
tcctctttct	agtgtccag	gcaccaacta	cctggcacca	tttcctcccc	tcgactctgg	240
tggtgcgaca	tctccgctca	atagtgttga	tactctgctt	ggcatggcaa	cttctctatg	300
gcccataatt	caccggctct	ctaacccttt	agccttgaaa	gaccagcttg	acgttgacgt	360
tgcgaaacgaa	gagggtttcca	aggtggcagt	cctcagaacg	gaatttgaaa	cctcggcaac	420
agccatcgaa	gocgctctgg	aggattggca	ccctgtgctc	cctgaaaact	cgatcctgaa	480
ccagaatccc	gaggaactga	gcctgaaca	atcgactgaa	aggagcccga	ctncaaagta	540
ttctgagtaa	cgccttgctc	taccgncatt	ctgcattcgn	ctatctttac	cgnaccattt	600
atagctaccc	acgccg					616

<210> 2608

<211> 360

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(360)

<223> n = A,T,C or G

<400> 2608

ncaacatnac	cgacacaatt	ggtgtgtcga	aatgctatca	accnagtng	tccgggcgcct	60
tcnaaaccgn	ggatactggg	gagatcggn	ccancctcca	nganattgga	cnaaaatggg	120
aaacatccac	tggcccccac	acangtacng	atggctcgac	ctcgttatcc	cnaanatagg	180
gcttccatct	tttttctcat	cgtgacctca	caaaactcga	tgtntgggtcc	ttttgagaca	240
ataaagattg	cattcctcaa	gggcgcggng	aagaactnna	cactaccg	tggttnact	300
tctggacccc	ncnaaatatg	tntacnaaat	gctgggtggg	aaaaccaca	ctgggggcaaa	360

<210> 2609

<211> 678

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 2609

attaatttca	tcattaaatc	ttcttcgatt	cattttctta	ttctgtttgt	cgtgggtgcga	60
cacagaagtt	gtctggctct	gagcgagttg	atgagctagt	atcacgtgat	cgaagaccca	120
catatcgtgt	cttcacggtc	attctctctt	cccagccttg	tattatcatc	atcaccctca	180
ttcaatcacc	gacacggcgc	cgcacacga	gaagcgatct	gattgctctt	gcagagttct	240
ggagtgcaaa	aaggccattt	ctcctgattc	aagcgtgcga	tcgaagacac	cggccgactc	300
gcgctacagc	catttaaaat	tccgacctgt	acccatcgaa	cgagagcgcg	cgcgcgcgct	360
tccccttcgt	tggaacattc	ggggcttgta	gaagggatcc	ccttggtttc	gcagcgtgct	420
ggaaatcatt	ggagtgtct	tgacgcgtgc	tgganactac	tanattgcct	gtcagcgaac	480
ctgggtgtnt	ttgtacgtgc	cgtaccgtgt	cnacaactac	cggccatacc	cgaacgatac	540
aggcccatca	catacgcgct	caaatatccg	gatnctcgnc	ggtggggg	ttataattgc	600
cgacttctac	ccaacaaaac	gangccttgt	tgcccttttt	gttggaagga	ccgggttttc	660
aaaaaggaat	ntacttga					678

<210> 2610

<211> 549

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)... (549)

<223> n = A,T,C or G

<400> 2610

gcacccccgc	aagagccgca	ggatcatccag	ctgaacggct	ttcccaactc	tgcgaacccg	60
aacaacaact	cgagagcacc	ccctgggcct	caggctgcct	cttctaattg	gagcaatcgg	120
cctttctagaa	taatcaccga	actccctccc	cccacacaac	ttgacattga	atggtcgcct	180
gtgttgacta	agaacaacga	gcgcattctc	aagctagggt	acctcatggt	ggctctcgacg	240
cctttgcatc	aagccccccac	ggaaaggaac	caggagaagg	acataagaag	ttgtctcggt	300
tcttcattgg	aagcacaaca	aagaagcgcc	agcgcctggt	catgattacc	tcaagcggtc	360
gaattgtgct	tgtttcaccg	gtggtgagga	gaaacggcaa	agcaagagct	ggccttctag	420
gtcagattgt	tcttgaagac	tcaggctcgat	gcaaaaagggc	aaaccgatng	tgcgtaatac	480
cgggtggnccac	cattatcatt	tgagaggcca	atnctatcaa	ctccccggaa	gggggttaacc	540
ccntttattg						549

<210> 2611

<211> 104

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)... (104)

<223> n = A,T,C or G

<400> 2611

nngatcaatt	cgctnttatg	cgncaaacttg	caaattngcat	acccctgant	ttngttcgat	60
ngccttttatt	caaagtnnat	gtggctcnnn	ccgtgcagga	ntga		104

<210> 2612

<211> 600

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)... (600)

<223> n = A,T,C or G

<400> 2612

ccaaggctct	cgatcgccctg	tcaagaccac	atttgccgac	agtaatgagt	ctctacccgc	60
caacctggcc	cctacgaccg	acccaaacga	gtaccctctc	gagccgccta	cccaggagtc	120
tgagcagctg	gatcatattt	atggctccta	catctcgccct	ctgtgcatta	cctctttcct	180
tcacctcatg	tcgtcgttcc	ctctacccca	agacgccgag	gagcctcact	cctctcacag	240
gtgcttggac	aaccaggagc	aaccgcgcat	cgnggagcta	acgctctcac	ccacaccatc	300
tcctgactat	cttagcctga	atgatctgag	aaagcatgag	atgatttacc	gctttgagca	360
ngaatggaat	gtggacgtgg	tcctccanan	agacagtgtt	tggagacncc	ccctcgactg	420
gtggtctttt	acatggacag	cactntnatt	actcaggaag	taattgacct	tttggtgat	480
catgtcaagg	atcccccaaa	tctggctgcc	nggttgccca	aaacacacat	tgtgcganga	540
tgggtgagct	aaantttgag	gccttttttc	cgngaagcga	agtcgctctt	cttaangggg	600

<210> 2613

<211> 265

<212> DNA

<213> Fusarium venenatum

<400> 2613
atccactatg gcgtagggccc acatgcttgt cttggaagag acatcagcca ggttgcgctg 60
acggagttgt tcagggctct gtccaggaag aagggcctta ggaggggtggc gggtgcgag 120
ggagagctca agaaggtgcc ccgacctggt ggtttctttg tctacatgac agaagattgg 180
ggcagcattt ggccgttccc cacaagtatg aaggtgactt gggatgaata ggatgaagta 240
tgaatgatat catggatgga attat 265

<210> 2614
<211> 443
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 2614
cttnttcgcc atgtcctctc cctacgacct gcacnccgac tatcgaggct cctcttccctt 60
aatttgnaca tatncatgaa nccgacctna gatgccnttt taccctcctn acnagccgaa 120
ccgcctcctc cnaaacgcgt cccaagagca gtcggngaag cgcgctacag gccatcataa 180
attccgtttc gcacccttca aacgagcgtn ttttggcgac ctactccttt gctggaacga 240
gcgggggtctg tagagggggac tgttcgagtc ttgcagctca attctggagc tcnaatagtn 300
gcccggcaga gaaactgact tctcttgncc aaaacctgnt ggtcttttcgg ccgtaaaaaa 360
anaaacctc actctcagtc ttgcagctna attcttggag acggagggta aggttntttg 420
cangaatcnt taattcngcg gtt 443

<210> 2615
<211> 423
<212> DNA
<213> *Fusarium venenatum*

<400> 2615
cagaacggat gttgagctca tgtacagaag gctgagcgca gtagaagcca agtggtttac 60
aaggttgatt ctcaaaaagct atcaaccact agtattagac ccgcatctca tataccgtct 120
ttgcgaccct cttcttccct gcgttctcaa ggttcaagac gactttgcta ctgcgacac 180
tactgcacaa actttgcgaa ggggattact cccaaattct ggacagcaga cgcgcgctga 240
gcaaactcatg agcacggtaa aacctcaact gggatcaag attgggagac agccttggat 300
taaaggccgc agtattaagc attgcttggg tatgggacac gggcgatga atgtggaaga 360
aaagatcgat ggcgaatact gccaaatcca tatagacca agttaagga gatcgatgca 420
tcc 423

<210> 2616
<211> 614
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 2616
cactattggt gataggacgc ttcacaatgt cctcgacgaa gccgaacttt ccacgtaat 60
aacgctcgac aaactacata tgcgatttgc gtcctttatt ttgccttgac gattccttct 120
ctcccgacag tttcgcgctc gataacctcc tgaaggccat gtccggagac ttcacgcat 180
cggcaccaac acccctcacc agcttcacaa cagataccgg cctgaatacc gccagcgcg 240
acgtttcgtg gtacaaccct acggcctgga gttttaatgt gacacgctat gcacctaaat 300
tagaggacct tgtgcgggct ggtccacgac ttgtcaagaa acttggatct tttgcatcca 360
tcttcgactt cctcgatagc actttcaata attcngatta tctaccngcn ggagctgggtg 420

cnagtntctat	acttgccgaa	ggctgggtcca	cgatcaaaca	tatgggaactg	ggctgggaca	480
ttgaganacc	cgtactgtca	gccgcatatc	cgatggacgt	gtgtgggtcga	agtnccgtac	540
ttggtanatc	ttggnttgct	caagcaagtg	gcattggggt	nattgtatgc	cgnatttttaa	600
ccgacgcaat	ttct					614

<210> 2617
 <211> 130
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(130)
 <223> n = A,T,C or G

<400> 2617		
ncatgaaatt	cgcttgatgg	gggactcatg attgctcttc gatnnggcaa cattgaaata 60
ctngccagaa	tggcgagacc	acccttctgt ttggaatttg ctgnggacgt tgagacctcc 120
ncacaatcac		130

<210> 2618
 <211> 842
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(842)
 <223> n = A,T,C or G

<400> 2618		
ctgaactaca	ctctttgcaa	ctgcaattct ttgagaagaa taaataaaca gtcttgttgt 60
cggctctgac	cagaacttga	ctactcagtc cactatatca cggcccactc tcactcactc 120
aaagacaacc	acaactccaa	gtgggtcatct caactttctc tctcacatat ccaataaaca 180
tcactttcaa	caaaatgctt	gcctctcacg gtgcgcggcg cgctggcaac atggccgact 240
cagccaccac	agaaaagaca	gaccccgaca agctccacac tctgtcctg aagagctccg 300
tcgtcactac	cggccgaggt	ggtacaggca atatggccaa gaacgacgat cctcgcgaga 360
ctcgcaagcg	tcaagacgtt	gaagctgtgc cccgacgtcc ttcttatggt actcagcact 420
ctggctcgcg	tggcgctggc	aatgtcttca aggacaagga cgtgcaactg acacgcaagg 480
ccagcaacga	aggcgccatc	accgacgacg aaggaaccca gcttctgcca cttnttctaa 540
tgccggcgaa	gtcattggct	caaaaaggca agaactggct ttttcggtaa gaaagcttaa 600
cgagcgagag	cgtnttccga	tcttttatta ttcgggtctaa gtcttcagag cgaaacaaaa 660
agtttcatgg	tctactatna	ttggggtnng ggtttctttt acagcttggn ggtttnggcn 720
ccttgaattg	gattanaaaa	aggggtctng cttntaagta tggagaccat ncncaacaaa 780
aatggggtac	cggccggcct	nggataggcg attntattnc taaaaggngg gacncgagat 840
ct		842

<210> 2619
 <211> 534
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(534)
 <223> n = A,T,C or G

<400> 2619		
caaagacaaa	gtccaagaag	cgcaagcaaa acgctcaagc gcagactcaa tcagaaagcc 60
ctcgaaagat	cgcaaagaca	acatctccct tgataccgac acctcctccc gatggcagca 120

ccacaccctt	cgagccaaag	aacctccaca	ctgtcgtttc	tgaggaagaa	cttgagatca	180
ctatcgacac	tctcacatcg	ntggcccaat	atcctggttt	gatcaagtca	aagctctgca	240
aggaccttag	agttgccgta	tacgactttc	ggcaagcttg	cacgaccggt	gtcaacaatg	300
ctgntggcgc	gaaccttaca	ggcgagggtca	ctgctgcctc	gccgatcgga	aatacactga	360
agcaagaatt	tttcttgctg	agatgaanat	tcggggcgaa	cagcccaact	tggtgcctgt	420
gccgatgggt	gcganatctc	gatgtcatna	cggnctgtcn	ctgtgccana	ccacagggtc	480
tcgtgaagcg	ctccgaangg	aagaacctg	acaaggcatc	gattccgtnt	taaa	534

<210> 2620
 <211> 142
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(142)
 <223> n = A,T,C or G

<400> 2620		
naaaacctga	cctgncgntg	gttgcattn
anggaaaaaa	aaggtnkana	gccccaaaag
aggggagggg	ntaaggaaaa	aa
		60
		120
		142

<210> 2621
 <211> 467
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 2621						
cgagaagcga	gccagtgtc	atgatctgct	aaggcacgaa	ttcatgaagg	gctgcgttga	60
tcttatccaa	ctctccccct	tggtacgagc	tgctcgagaa	caaagggcgc	aagaaaaggc	120
tcgcaagggg	cagtaggtac	accccgagcg	aaccgttctc	cccccgtaga	tgcttatcgc	180
ggtgaaacgg	gagagcatat	tctaccgatt	cccagcgtat	tttaaaccgac	ggngattgat	240
gtattgatac	cgtcaatact	gttccgtcgt	ctcgtgacga	cttggaaaca	atnaagcgga	300
ccttgatgtg	tcctgatcac	gatttttgatt	cccaactatt	ttaatgacat	ttttttgcac	360
aatcatttca	actttttata	gcagggtttt	tgcantattg	aaatttgaaa	gttnntaacc	420
attgctttng	caaaagggct	ngggggggnt	cgaatttttn	ttattgc		467

<210> 2622
 <211> 197
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(197)
 <223> n = A,T,C or G

<400> 2622						
nggcgggttc	tctcagggtg	ggccatgtct	ctccttgccg	gcctcacctg	gacaaagcaa	60
gctgggtgga	atccttggcc	tctcctcggg	gggtntcctg	nccangacct	ttggccgaca	120
tggttaagcc	tacagatgcc	aaccggcaga	ctnccgttat	gaagttccca	ngggggaaaa	180
aaccttatng	ccccttg					197

<210> 2623

<211> 579
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 2623
 cgcttttcata tacgtccgtc actatctatc catcactacc aacaaactct taacaatgga 60
 tgccccttca acctccaact ctctgggtca gcagtcctct tctgttcaga tggtccttca 120
 gccagctccc acccaaggca gcaacccatc aaccgctcct ttctctccagg actttacact 180
 cattgccgag gctgccaaag gagcccgatg ggccatcatg attcgcgatt ttgaagactg 240
 tggcctgtaa attcacaaca ggctatgcaa tccaacaaga gaaagaaagg gaaaagatga 300
 tcaaacccat acctatctcg accaaaagtc aactcgacga atcacttgag anaccttgat 360
 tggggggggg gaaaatgtgc ancantggca tntttggctt atcccacctc accaatcacg 420
 acgtccatgg gccatattca cattctttgt ctctctcata tctctcacct ccaaccacca 480
 ctttcttatg catcatcatc attgctatca tggttatggt aggaaanggc cntccanaa 540
 aaaaaaaaaa ggatatgggc atcttttctc ggctctatt 579

<210> 2624
 <211> 517
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2624
 gatttggttc tcaactgtct tgagaaacaa gaacaaaccc ttggcataat atcatccaat 60
 atgcaaccta tcctaagagc catgcctgtc gaaaagattg tccctcttct cttgacagtt 120
 ggcagcgcca cagtcgttgt tgggtggtgt cgcacaacgc tcaagccaca gacacaatca 180
 cggctcttttg atagaagact tgcttcatac agcacagcac aaagtgaana gactatgacg 240
 acaatgattt acagcacttg gctagaagat tagacaaagc cattggtaca gaaatgcagg 300
 cgtttcagac caccacatcg aaatcacgac acttaatgca cattcacgaa caaacacata 360
 cacatatcta aagtacttgc tggcaagatc aacttcttaa gcaagaccag tacactacaa 420
 ctattacact acggcctgga ttagaaaaaa ttacataaac tagcgaatga tagaattatg 480
 ggcaaggatc ccacttgaac ctttcaaaaa aaaaaaa 517

<210> 2625
 <211> 614
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 2625
 aacaaacgct tcgtgtacaa aggctacgcy agtcctaaag tttacctaca tctcaggtgt 60
 aagggttagac ttgccctgct acttacacaa ctaaatttta tttcttccgt ttcaaagcc 120
 agctttgtag cgaaccaaca atattttgtt ttcatcatga ccttctcttc gccttccaag 180
 gtcttatctt cgcccgccaa aagggaatcaa ttgctctnta gtccanaacn aaacatcgcc 240
 gcatnctttn ttctcgatac ccgaaataat gagcttagtc accgagatgc tctggcggca 300
 gcgcaactag aacacgagcy cgtgcgtcaa gcagcgatac gagtctacga gctccatgag 360
 ctgcaagaag agcacaagcy catcttgctg aanagcgcaa ggnggaggag agattaaaag 420
 ctgaggccgc tgtggttgcy gaanaaaaaac ggctttggga actcaangna aaaacggttc 480
 caagttcccc ggaccgcycc ccaccagcat tncaggcaag caagancctg ngaaaacaaa 540
 tgggggngca acttctgtna caactnaaaa naacctggag ctttcccacn ccnccccna 600
 aaaaaaaaaa ccct 614

<210> 2626
 <211> 190
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2626
 tattgagcat ggttgggtag tgtagaata gggtatggaa ggataggcgt tatggtggat 60
 aaacaacttt cttcttcatt tttctttctg tacatttcca tttattgtta cgacgaaata 120
 cttttcaaga accacactat tttttagggt taacaaatag tgtggttctt gaaaagtatt 180
 tgtaaaccct 190

<210> 2627
 <211> 293
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2627
 cgaaataggc atgccagtgg atgaatttat cgataagatg tatgaagatt tgggtcaaggg 60
 tagcgatcag ttcgcggctg gcttttgaac ggagctatct aaagaagggg gttgggaatt 120
 ccagcgcgga aaaatgtgtg atgaagtaag aagtgtttta aacgttgcatt tagtggatta 180
 tttacgggac taagtataag atattgcaga taaggaagat attgcacttt tcccctttgt 240
 atttgttaatt ttactttatt aaaattatca ataattctact attttctttt tct 293

<210> 2628
 <211> 634
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 2628
 cagttcatga tcgatagcca ggtctcaccg atggctttct caatctccaa attcatcgct 60
 tcatcgctcg ctattcttct caagttgccc attgagactg tccttcgacg tggacaggtc 120
 tctactcctgt caagtcagga atacgtgcag gcaactcagc ccgggcaacc attcaccact 180
 attatccctc ccggacgcta cgaaggcact ttcgggtacca tgttccatat tgtcaacgaa 240
 gagggaaacc acgaggcttc gctacggcac atgctgcagc aaagaagggc aaggcaaaga 300
 ataaggggtg tgccgcaacc gtctacaagg gccagggccg tgaggggctg tggagaggct 360
 ggaaggtcaa ctggtggggt cttgtttggtc tctggactgc gaatgtggta ngccatggtg 420
 gagagggcca attttaagac ggctcaatca tcaatatttg aggtctgcatt gtactgaggn 480
 gcattttctg gcacnccgtt gcgggtggga tgtatntntt atctaccagc ttgacnaaaa 540
 aaccgcatta tatccncccc cattttntga aaatgaaatg gnganaaaac naaaaanggg 600
 gctggtttct tantanttca aaattttatt tcnt 634

<210> 2629
 <211> 621
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 2629
 tttttttttg cattaattga acctcttcat tcatgaataa gatttgatct tttggcaaac 60
 ctataagtat acaaaaaaac aatgcgccga aagggtggctg cagaaagttt catcccaagc 120
 caacgccttg gttttctcac ttggatttca caagcttctg gtcttctctg tcaactgtcat 180

<400> 2632
gagcgcaagg cccaggagtc taaccnttac caccgaggga aggagaactc ccacgacaac 60
ctcganttta aggatgagcg atccnttgcc aaccgactcg ctgctgagga gcanaagtca 120
gagtcctggtg acnatactga nactgccccaa ttaaagaagg accttacctt gcttggttct 180
tttacggtaa cnaaccttcc aagggcncca aggtcnntgc aaagttgcaa gctgaggagg 240
aaaaggactt gaacccaag ggcaaggntt attggttaaca atacttanat caccggccgt 300
ttnnttgacg ggcaaatgat gcggaaggga tgaattaatg aacaataatt gaag 354

<210> 2633
<211> 285
<212> DNA
<213> *Fusarium venenatum*

<400> 2633
agcccatcga gactcctcag cctgttgaga ctccccacac aactgcttcc gagaagccag 60
ctgctcctta ctaccctcct cctccttact aagggcagta aaattagcat tccatgagtc 120
tgggaccagg atgctacctt gcatacattt agaatgacat cttatcacga tcttcacgac 180
ttgttttgta tttagatttc tgttatattt tgtacatgag aagcatttag cttagatagc 240
aatagcgtca atacgacata catctttcct tattaataaaa aaaaa 285

<210> 2634
<211> 495
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 2634
tgaaactaga cgcgcagacg tgaggggcatg tgagtctaga tccctgccga gctcttgaca 60
tcgctgaagc ttgccaaactc aaccccggtc ctgtcaaccc ggctgaactc gctgaagcaa 120
ctcgtcgttc aagctcgaca actcggcaca ctgtgctatg aagatcgtgg ccaaggcaca 180
tgcttcaact tctctcccg agaaaaaata ccgcctgtca acaccttact cttacgacg 240
tacgactggc agcacacagc tgatgacgtc gcaaagcatt gggacttctc tgggatacaa 300
tactcgaat tgatttcggt gcccattttc aattttctga agtcggtatg cctccganac 360
ttttcacagc tccatactct acatgcggag gattacagtg cccatctatc ggataagaaa 420
aaaaaccng cattgctttg aacgtnttga taangacaca tcaaggcctc gaaggtgtta 480
atattacttg tctac 495

<210> 2635
<211> 343
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 2635
nggggatgct tcccangtct ccgaaggagg aagagcctac agctacngca nccgatgatg 60
atgacgacaa caaggcccca acggcagctg agggaaacggc gactgcagat gctactgcta 120
ccgacgacna tgccacngct nctgcgaccg aaacngacga cgacgatgag actgacacag 180
ccccctgacg ggcaccgaga gcgcagctcc cacaagcacc ggtgccgtng ttgaagtcga 240
tctccagaac gcgactatcg gcgaaaatgc ngaactgatt aaagtacacg gaaagactgc 300
ntnaaactca gcgctccgcc nacgggcagg caacgtttta cgt 343

<210> 2636

<211> 492
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(492)
 <223> n = A,T,C or G

<400> 2636
 aaactccagc tacaaaccca ggggaatgga aattgaccat tatgaaggctc acaggcccgg 60
 tggatattcg gcggtataat ttttttttct gctcctgtct ttcctttgtg gcaagggctt 120
 tttttcttca tgatatccca taagcaagtg ggtactacgg atcacaaggc ggcaccgggc 180
 ggctacggac ggatcaggaa tggcaaaggc aaaggtatat ggggtcaatt gatttttnag 240
 cgactacggc gactctacgg tattggcaaa gccatggaaa gaacggatca aagaanaaag 300
 gaacaagggc acaaacggca aatggcgaca ggaccggatc ttcaaggcgt tattgnattt 360
 cgttggacat aaaagggcag cggtnggatc acgacgtaca natgccggac ccggactgaa 420
 atnnagacat gttggaaaaa acccaacaca aaaaaccatg nttaagaaaa caataatact 480
 ancgttttnc tc 492

<210> 2637
 <211> 596
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 2637
 ggggtctttc atggggcaat ggaccgggtga aatctcgatg acggatctat ccttccagtt 60
 ctgtttgcta gatctggttt ccatcttctt gatctatggg gaaaccatta tcatgccaca 120
 gggatttgat tgcgactttc catcttgggtc tacgggcatg cttccaattt cacccaagct 180
 tcgacgggtt aaaccccgcca acggcccgggt tagcctttgg aaacccttaa ctacatccat 240
 gacatgcata aacagaccac accaacagcc gaccctcatt taagccaacg aatcagtggg 300
 caatatattac ttggcaatgc tacagtccgg tctcccgaac tggcgctcact cataggtgat 360
 gctgaatcac atctcatagc tgtggcaaga ntgaggctct gcttcgaaag attggcgccc 420
 acaacttcac cggattccgg gtctcagaac gttattcacc atactcgcca taagactttt 480
 acttgtcggg ccctcagtggt tggaaatgtt atccaagtag ggcagctgan caaagatctc 540
 atactgcatt gactccctgt gcccggcatt gagcaagatc agaactatag aagggg 596

<210> 2638
 <211> 381
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

<400> 2638
 cctgcccttt cggagttcga tctcgatatt ttcaacgact cacgatcgct cgtagtcctg 60
 cgatatcttg aaaagtctta ctccaacact cccaaaacgc atgccacggc atcacgcagg 120
 catctcacat tgctgogatg cttgacccat cacacaaaca cgcaacacac cacaaccccg 180
 ccacaacact atattccccc cagtacgggt ttttaagatgg atagatagag attcctaagg 240
 acagaggttt nttgaggtga actgttcgag tttagcctcg aggcggatca gtggatggat 300
 ggacggatgg ttagtttagca tcataggaac atcagatcac atagcaccct ttnttaaaga 360
 agtaaaagaa aaaaatttca t 381

<210> 2639
 <211> 455
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2639
 cggggttctt tccgtgtctc aggttttcat gagatcactt agtcaataac ccggtcatgt 60
 cgcgacatga atacgtccgc cgagcggttac gaaaagtata ctccgctgta tcgtcagata 120
 tcgggatacg tccctttttg gcgcttttac aagcatcacg ccggtgcaag tattgcatat 180
 gaccatttaa cgccacacgt tcgtcttgta tggagtcttc aaggtcgcga cgaccatttt 240
 gtatcagcac agtggatttg agttttgatt cgcttgcgat tgcaaattac aagacccgac 300
 aaggtctaca ggttctgttt ggcgataccg gttttttgac aacttcattg cgtgatctgc 360
 ttgactggc tctgtttatt cattgctttc acataggctt tcaggccctg cagctatacc 420
 ccccttcatt ttgtttcatt ttctctggcg tttcc 455

<210> 2640
 <211> 676
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

<400> 2640
 gctgttactg tttgtatcta gtgcacctct ctctataaat caatactcta acctatatca 60
 gtatttcatt actgagtcaa ttctgtgttcg gcgggtcaaca attccaacat caattggagc 120
 ccctcgcgcc gtcgcggcag ttcttagatt gtccgtatcc tctgacccat cgggcacatt 180
 ggtcacgacc gaccatatcg gcgaccgcac ttcttacgca ctgcatttat ccctcctcgc 240
 gttttaactc atcgccactt tcttttctgt cggttctctc ggcttctgtc ttgtttatta 300
 aaccagaagt ccacatcggt gcgttgtctg tcacaattac acaccaactg tcatagtcag 360
 gtctgcggag cctcaaccaa gcggcacatg tgacaaccac ttgacacctg cttcacacta 420
 agctaccttc gcctcttgcc tgcgttttgc cgaattgctt gagctccacg atttgggtct 480
 tcttgggtct caagaagttg tctcgttgtg cactccctgt caatcccaca cccttgaccg 540
 gtgctcttca acgcctgtta cagcccatc atcancacca agttgtgatg agcgctgttg 600
 cacatcgncc ggccaaagtc accttgccagg tacattaaat gccgttacgt cgcccatna 660
 tgagaaaccc gactgt 676

<210> 2641
 <211> 463
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2641
 cttctcaaac accttaatta ccattcctac ataaatccct catccaatac aatggctacc 60
 gtcattcatt agtaccocag cggtcacgac ttcgatctcg actactacct caagacacac 120
 atgcctcttg ccgataagac atggaaggac aagggtctga agagcgctaa agttatcaag 180
 ctgggtgggtg acagccctta ccaaatctac accgtccttc gatgggagag cctggctgct 240
 ttccaagctg ccgccactgc cgaggacgcc aaggctgttc atgaggatgt gaagaacttt 300
 actacagcca aggcgacgt ccgcgttggc gagaccattg ctgagtctaa gctttgaatt 360
 attgtcaatc ccaataccca atactgttg taaccaattaa tatatcaca ctccatatct 420
 gactacaata ttatcccttt catcgtcaag aagttatatc ttc 463

<210> 2642
 <211> 512
 <212> DNA
 <213> *Fusarium venenatum*

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<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 2642
cttcgcgatc cagagggttg tgcactggtc tccgaccctc gacgggttggg cgaaacattg      60
ccgccgaatt cttgcttgaa tggagttgct ggaccagaat cgcgaaatga cgacgatgta      120
tccgaaaagc ccgatgagct agcagagcct cgtctcatac tgggaacatt gtttccctga      180
aagcctccca cgcccgtaga atcccgtcgg aatgggtgatt gggggttggga gtcattttttt      240
cctgacatgt tgcccgtagc cattcttctt ggcagctcgg gtctgttacc gtacgaactg      300
agccgaacat tttgtctctt ttgctgagag gctctctcgt tcatctcgac ggtacctgtc      360
aacttcgact gggtataccc acttgacggg ctaccactgc agatactctg tgctcgcttg      420
tattgtttgt ggtaatcgtg caacgaaatg gtancgttgc tcattgaccg angnccaagg      480
gcgggtctca tgcctttggg taaatcnttt gc                                512

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<210> 2643
<211> 1013
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(1013)
<223> n = A,T,C or G

<400> 2643
cacggttgct tactgcgcgc cggaccgata cggcctcgag gagctaaagc gtctggcctt      60
gcgcaagcag ggactgcaat ccggcatcga tgtcgggacc attattcggg cagctcagta      120
cgctacgcc catacccccg actcagacag ccgtctgcgc gctcactacc tcgccctgat      180
catccgctgc cgcaaaacct ttaagcgcag cgggactatg caggccgaga tggaggcggg      240
cggcagcaag ctgttctttg acctgtttgt ggctatgtgc aatcacctcg acgacgtcat      300
tgatgtgagc aacgctcgca cgcccaagac tgtctgaggc gattcaagcc aagctcaaca      360
cacacatata ccactaagc aggcctccag atgcctcgtg tgtttgatca tagctggagg      420
acatgtacta aaaggaatat cgccaaagcc gcgaaaaaga acaaaaacca caaaaaaaa      480
gtgatgctta caagaacagt tggaaatcgg cgttcgggtt cttttcgtgc tccatcatca      540
gattgacgtc ctaaggagct ttgttttatt acatgactcc ctttctgcga ggttggccga      600
ccgagttttg atgatacacg agctgagagg atataatccg acgcctacga agtccttcac      660
atcctctgct catttattgt gcgttctact tgatcgcgag tttcctgtta tttgtcttgt      720
catttttaca ctctgctttg ataccacaca cccaacagca ctgggacatt ttctttcctc      780
tacactctac tctggcggtt tgttatcatc caaaaaagac cagggttgtct ttgattcaac      840
accagagttt tggaaggaga gattgggaag gattggaatc cttgactgnt tttccgcacc      900
cgtgagcaaa tgcccccgaa attggcaata tgctgcattt gaccatcttg gaattttttt      960
tacggaaaaa gaagaaaaaa aggnctccctg gtttgggntg gtttttttgg ctt          1013

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<210> 2644
<211> 634
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 2644
agaaaaccaa ggtgggtttc gaagcggcaa cgcaaaggac gtcgagatgc gcccaagagc      60
gaacatgccc atcgtgaaga cgctgaatag cctcagcgag aagatcatgg ccaatgtggc      120
accgtctgac gttaacacgg acgaccctga tggcggatag aatgcctacg ttcaactggc      180
attgcgtgat ctcaagggcg atgctcaaga gcategtatc atgctcaacg tgaatgaaca      240

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gaacaagttc	ttctcgaaac	acgactcagc	ccccctgaag	caagctgcca	tcttcgaaaa	300
acaagtaccc	agcgatgtgc	ttttcgatat	tatggcaaga	tctagatata	ctcgagagt	360
atggagctgg	cggcatacaac	atccaggcag	caatgggatt	cgacgaacaa	agcgacagcg	420
acgacgacac	ccctaaaaaga	ccacatgttg	gtttctcgctc	tgccctcctg	gctgctgata	480
aggncatcat	gaagggaata	cgccagcaac	gtgtccagaa	gtacggggcat	gacacggnc	540
ctgctgagcc	tatgggtcna	ctgttgagan	ttcccgcgaag	tgcagcctca	ctcatgcgaa	600
caccantgag	ttcttacacc	aaattctggg	acgc			634

<210> 2645
 <211> 552
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

<400> 2645						
gacaactagt	gtcatgagct	tggaagtgtc	tgacaaatat	tcaccgacgt	cgcggaattg	60
atagtcanaa	accaccatga	cagcgtcgca	ncanaacaag	ctatcggaat	ccaatctcga	120
ccgatctca	nacgatggca	aagcttgagt	tgaanacctn	atgcatcaca	gaccggatgt	180
ccatacgtgc	cttgcccgcg	tcttgccgag	cctggacttc	ctctancact	tgccgccnga	240
tgcgtgcatt	acccgcgacc	ttctccattc	tganaatctg	tgttttgatc	caagcctttt	300
cgctagcgtc	ttgctcttct	acacccaaca	tcaaaagagg	ccatacatat	tgatgggaag	360
tgtgtcatca	gtatccaagg	nggccacaat	ntgccgagcg	agctttcgga	tttggtccaa	420
aacttntgac	ccctnttttn	ttaaaagcan	gctntttag	gccaccccg	nnaaaaagcc	480
ctttgctggc	gtaataattt	tgaaaagtnt	tttccggaan	gctngtgtga	naaaaaaag	540
ccaaggtgtt	tc					552

<210> 2646
 <211> 597
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 2646						
tttgactact	actttccata	agcttagctt	agctgccaaa	tataaaaaaa	agaaagaaca	60
agaacatctt	cctttgtccg	cttgccgatg	atcccgagtc	acctccgtac	aacgatatat	120
cgctcccttc	cgccacccca	accaggtatt	gcatcgagca	catcgacctg	atattcacag	180
gaaaccccaa	agaatctcct	ggagtttgat	tctgtctgct	ctgtgctctg	atatttccat	240
ctacaacaac	aaattactgt	gcccctctct	cctgactact	gctacgtcga	cactcccttt	300
taactcaacc	atcttgatac	caaagagaac	cagccatgac	attctctcag	caagacatgc	360
actcacaaga	tgagcttgct	gctctcctgg	ctcgcaactt	gacctttaac	ccgattcccc	420
agcctgcacc	tgtgcctcan	gaggcaccta	aagcagaatt	tgctgagcct	atcatatacc	480
ctccgttcat	tacacacact	ctgcccata	tgacaaagcn	gntcagcacc	aggaaattnc	540
tcgtcgatct	tcggganccn	ccccgantcc	agcaccaagt	gtngaanca	tcctgat	597

<210> 2647
 <211> 609
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(609)

<223> n = A,T,C or G

<400> 2647

tgaaaacgag	agggcgcgct	gttattagac	agccccgag	tgccgtgccg	aagactcttg	60
cgacagagac	gttgaggaa	tatcaagatt	atcagacgta	tggattcaat	caggaactat	120
tccgcgggaa	tcttgaaaac	tctagcaagg	ccatcggtgc	aacaccttga	gcaaaccag	180
ccaacggtat	tgtatcatat	aatagtagc	attgggctta	aattagacag	catgtgtgtg	240
caggtggatc	aagagttttc	ttgcggggcac	atcggttttc	taaacattcg	ctggtgccaa	300
agagttttca	acggatgcaa	gggcccttcg	cataagcacg	acgtcgttta	cacacaggac	360
atatgcccag	attgnatcag	gaaggatacc	tttctaaacc	attgggtccc	aaaattaccg	420
aaagagttta	agaggagaca	agatnctggg	aagcgccaaa	gaagcatccc	catggtcattg	480
attggagcta	gattatggcg	gctngaaanc	atcgaanccg	gtttntggaa	acatacttgg	540
ttggaataan	cctgncttga	aaatgggtcc	cgaacatntt	tgtnttgaaa	accncttggc	600
tgnaantgt						609

<210> 2648

<211> 222

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (222)

<223> n = A,T,C or G

<400> 2648

ntccaatcaa	gcgtnacatt	ngggacgagn	gcgtncgtga	tctcatggac	natgccgggn	60
ccccatcaga	naancaaaac	gacgatgaan	ctgnngcggt	gacctacctg	ttaagtcttg	120
acattgactt	ggttgatact	ggactgaac	cacanagagt	natgagagca	aaagcagtng	180
gtngngctatt	caaggcaaaa	gcaaggggag	tctttggaca	ga		222

<210> 2649

<211> 389

<212> DNA

<213> *Fusarium venenatum*

<400> 2649

aggtgcactg	gggaaattca	aggttgattc	agcaagtggc	gatacgacca	gtcacaaact	60
gcttttttaa	acacaagcct	gggaaaggct	ttgatgacgt	tgccgcctgt	ggatagcttt	120
tattgcgttt	tgtgtttctt	tggtattttt	tcactttcca	cccggaagtc	ttggccacga	180
gaagccaacc	ccctcgttc	acctttgcca	tctgctttga	tgggcaacag	accatacaga	240
tgtgtgatgt	atcaaggctc	tgactttcca	ctttcccttg	ggctttgacg	tcgtgtacag	300
catactaaga	aatctgataa	tgctactggg	gatgggaacc	gataagcatt	agcaacctag	360
aatgaagtca	gtttgattac	gtgacgtgc				389

<210> 2650

<211> 593

<212> DNA

<213> *Fusarium venenatum*

<400> 2650

caacaggcgc	gactccttcg	tagtggagtc	gagtcgaccc	aacccttggc	taacacagtc	60
tctttttttac	caccctaaca	actttatctt	tgaagtttag	cttgtgcgag	gtcccgcgcc	120
gggtccaggc	tcggcgtagc	aagcataagc	agtgaccact	atgatcatca	cttagaaacc	180
aacgacaaaag	cggcattgcc	gacttgcaat	ggcaactcga	ctttggttta	ttggggcgat	240
cgtcccaaga	acttgtctgg	cgaacaaatg	tgaagatatt	gggcacctct	ttgacgttgt	300
cgatgacctg	gggatgtgat	taccacgacg	tttattctcg	tgaggatccg	tcttttgacc	360
cgtcgcgacc	attgaagccc	attattgttc	aatcaacatc	cagacaggaa	ggctctaact	420
tatccccaac	tttccctcc	cattttcaat	agaccacttt	tgttgaaatg	ggcaaccacc	480
cgaactcttc	cctttcgata	ccccgactct	ttttcgcagg	ccactagtgc	ttatgaagca	540

gccagtcctg cagcatccag cgtgtgcaat caaacaacct cacaatccac aac

593

<210> 2651

<211> 739

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (739)

<223> n = A,T,C or G

<400> 2651

tcgtttttaa	actacaaagt	caagactatt	taatgtcgca	cagttcccag	atactcacgc	60
atctccacta	caataccaac	aaaacaaaaa	tcctctcgca	acaatgaaca	caaaaacttt	120
cttcactgcc	ctactcggct	tggcatctac	tgcctctgcc	ttcgaattca	cgggtcccaa	180
agcagaagag	ctcgacttgt	ccaaaaacat	caccatcacc	tggaaaacag	gcaacgcac	240
agagtgaag	cggtggcccg	agttcgatct	tgagtgggat	acaagaccgc	atgatctcca	300
tagcttcagc	tgggacatca	aacagagagt	caatgtatct	gatggcgaat	acataatttc	360
gcctagcgac	aatacccgct	acactctcaa	ccaatttgcc	gacgctctcg	cctccaataa	420
gagcttttca	ttcgtagctg	tcttcacaga	cgggtgataga	aaggaccctg	aaacagcgaa	480
ttatacgaat	attggtagcc	agaagtacaa	ggttactggg	ctcgacaaga	caagtgctgg	540
anctgcggtg	ggcacctatg	tggggagctt	tcctcggttg	acttgtggca	gctggattta	600
tgactctgta	aagacatggg	attggaaccg	aagtcggctg	gaagtgtctt	atttatgttg	660
atgtcccagc	atggtantca	tgggggggnc	tangggttat	atataaanga	tacntgnccc	720
atattgncac	ttctgagct					739

<210> 2652

<211> 331

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (331)

<223> n = A,T,C or G

<400> 2652

agtctctcag	catcaacttt	gacactcctg	gctctatcgc	ctctgtcaac	acatctttct	60
ctagtcagcc	tgacgactct	ctgtctgcac	ctctacttgc	atctcctgcc	aattttgcca	120
ctcacatctn	tggtctctcc	cactcacgtc	gtgcttccag	tcttgatgcc	accgcaatcg	180
accgctatgg	ttacccaacc	taccgtcaga	agccctcggt	cgccntngng	gccccaaagc	240
gnaatccgac	tatggctttg	cttccctaata	gctacagccc	tagagcccag	ccccttaaag	300
cctaattggta	ctgnggancc	aattccaaaa	a			331

<210> 2653

<211> 416

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (416)

<223> n = A,T,C or G

<400> 2653

ctctacctcc	tatcttctct	ggtgtaagag	ccgggaaaag	gttgattgac	aagttcgatc	60
gcctatatcc	attgntatt	ccctggccag	attaaccatc	gcccatcgct	tagcgtacta	120
cgcattgtta	gaacaaaaag	aagagaattg	cttagttcca	aggcttcctc	cgtttctccc	180
tcgctccctt	gacgccatca	tctttccaaa	tgacgacaaa	agatggccct	aagctgccaa	240

agcaacagct ggcgattctg gccattgcca gaatcgccga gcctatggcc tacacatnag	300
tcttcccata ccttccaacc atgggttangg agcttttcggn gttccaaccn aataaaaagtc	360
ggaagcttgg nngggggggtc anatcggggtg ttttttttnt ttnaaaanca ataaca	416

<210> 2654
 <211> 135
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(135)
 <223> n = A,T,C or G

<400> 2654	
ntcaangtca gngtgtcngg ngatgaaaat tcttntttaa aacggaggca agcangccga	60
nctaaggaaa annagagtctg gttggatnng gaaaacanga aggggatttn gggataagga	120
aaaaagnna gcggg	135

<210> 2655
 <211> 422
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 2655	
tcgtgaacaa cgagactctg ctcaatatca catcacgact ggttgacgtc cccctaacga	60
tcaccgatgg cgatgtattc agcgaagtta tgcaaaaagct actatttggt ggcgggtgata	120
tcacactcga catcaaggcc gaagtcgatg tcaagggttaa aactgtcctc ggcacattga	180
cggtaaagaa agttcccgcc ganggcaaga ttccagtaaa cggtcctgca tcgctgtggt	240
aatctcttgc actccccacg aagacgaata atccttggtt acactttgaa atattttcat	300
aacacgcctc acanccgtat cganaattat tgctgactta acttaangat cccccgggta	360
cgncctggg ttaacttaaa cctgaagggtc ggtganatca aantcctgga aacnacgaat	420
ca	422

<210> 2656
 <211> 529
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(529)
 <223> n = A,T,C or G

<400> 2656	
ggaatcttcg tgggtctccc gatgtctggt acccgtaact cgggtctcggg gtactcaatt	60
actggctgtt tacttgacaga taaatgtttc caaattcaca tttcaggcat aattggatga	120
tgtgatctgg gtggcggcaa tgcattttcc gtgtctcaac gaatctacga tgccctcggtt	180
acctatctac attgtgctac tcgtgagggtc gtggataaat atcccaactt cccccatgat	240
attatcattt atctaaatcc agttttattc gacaacattc ccagttatca ctacgtcttc	300
aacatgtctg tacaaatccc ctcacatcaa cgcgagcag tcgtcaagga tctggcccan	360
atgcaaaggc ttctgcaaga ccgtccccgt acctaaacca ggccagccaa attttcgggtt	420
aagtaaattg gacccggnc tngngttaaa caatctcttn tcacgatgaa tggagtgtt	480
tcggcgctcan attgaaagga cntactgncg gatngcnggc acnaggaaac	529

<210> 2657
 <211> 614
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 2657
 gggcaaggca aaacaattta cgactctgaa cgggaagagt gtggtaatca aggatgcgtt 60
 catatacagc aacaaaggct ttaaaacgct tgcgcaagca cagctcctta acgacattgt 120
 tttctaccca gacgtctttg agccgcgaca atggctcctc tactacatct caagacctct 180
 cgtgggtatt tgggaagaaa tcaagatcgt tcttgcggtc ctcgttcctg gcgtacggaa 240
 gcgcaggatt cccgaccaga aacagatacc aaacgccgag tcgactgaaa ctgctgcgcc 300
 tcggaagaag gatattagga gctttcacga cctcttgaat aactttccca tgatcgcgcg 360
 ccaaatgcag cctgcctcga gaaactcttc atcgagttca acaatgtctt ncgaagccgt 420
 tccttcttcg cctcagccga cacattcctg acccccgggc gatggggccac caccaatgct 480
 gcagacgagc ttcgncaa atgnatcgcc acatgctgat gaagtagctt gccggtgacc 540
 ganacttttc nccgggncat gaaattnatg aggcgtcctt gaaccgtntc aagtgnnttg 600
 actttcangg ngaa 614

<210> 2658
 <211> 380
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 2658
 caggaatttt tttttttttt ttttttaggat aataattcat taattgatca cataacctcg 60
 atctcttcat cctagcccta aactttgaag tcaaatactg ctgcagcctt cttcttcttg 120
 gccttcgcct tcttcttgct cctgtctctt ggcttcaggg ctgtcatgcc tgcccttgcc 180
 gtttggtgcc ttgatgatga ggggtagcgg tttgcaggat tgatgtctgg tgatggttct 240
 tcttctgagg gcttggggaat atcttgaccc gtangtgagt cgcttttggc tcangtagat 300
 ggaccatggt cctacccttg cgatgattga agagncaccc acttgcgaaa aactatatgg 360
 tnatatgtga gtcggcatgt 380

<210> 2659
 <211> 576
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(576)
 <223> n = A,T,C or G

<400> 2659
 gtgaaactag cacaggcaga tctggcgaaa gtcaagcgag actcgtgtga gatctgtgac 60
 gtctcaatgg acgaatgcc ccaagcttct caggacttca aaaagctcac gttcgatctc 120
 tacaagggct tactggccat ccctatagga cgaaggatgt tctcccaaca tcgtcttggtg 180
 gtgtttaact gggacggcat ccgttcagtc ggtnttcttc tggcagacgg aattagtaat 240
 aagggtagcg tcggaagatc caacactcca catatgcgcc atcaagtccc ttcgggaccg 300
 acgcgatgcc accgaccagc ttccattcgt tctgtcattc cgaaaatact tccacgagct 360
 cccgaagagc aagaagcggg tacagacaaa aaccttcat gtcccgtga gcgacgtaga 420

atgccttaca	agatgggtaa	caaagggcat	cgncctgan	atthttccagg	ggnggagatg	480
gctaccatca	aacgaaggat	cgcttgcaan	aactatgtgg	ctcatnggga	tgataaatta	540
anaagagctg	gacttgtttn	gaattcaagc	aatttc			576

<210> 2660
 <211> 503
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(503)
 <223> n = A,T,C or G

<400> 2660						
caggaatttt	tttttttttt	ttttttcaga	ccaagatctt	cgagattttt	tatttgagat	60
aatctacatc	cttaaggacc	accgcaatgc	aagcctgtaa	ggtacatgag	ctggtgaggg	120
tggaacaact	ctagagcgga	atattctagc	gcagatttta	tgctagaagc	tgaatagaga	180
tatttttttag	aatcagttta	accctcgaag	gtgaagctgg	caccgagctt	gtgggtagcc	240
tggtcgagct	tctgggctgc	tgaacagagc	cgaccgaggc	tcagggtgtc	taccctcaag	300
gaggaggccg	gctgtaggca	agggcaccaa	tactgccgtc	gtatcacaaa	aacgtcttgg	360
tcaaagggag	aaagattttt	aagaccagcc	gaccactgac	gatagggccc	gcgaaggcca	420
gtggtcacgg	ccgcccacga	cgtcggggaa	gatatgattt	gcccgttcaa	gagccgtgat	480
gaacgaggct	gaanaaaagg	tca				503

<210> 2661
 <211> 286
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2661						
tgcagagaag	gactgaacaa	gtggagagaa	agatatggaa	catgcatgaa	acattcccag	60
tttgcgacag	tggaagggtc	ggtgctcttt	gtcgcgaggg	attagagggt	tgattcgcg	120
gctgcagcag	ggacggcggtg	ctgctcccaa	gagcatggat	cacaaggcca	atgcaggggg	180
atggattatc	aagatcagga	acttggtatg	cgtcgtggcc	gcgggtccta	tccagtgtgt	240
cactagccgt	cctaaccatg	tgcaatagaa	atgatgaatc	tcttct		286

<210> 2662
 <211> 866
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(866)
 <223> n = A,T,C or G

<400> 2662						
tgaacaaccg	cttccagagt	tcatccgagg	cgataacagg	ctcgtcatca	gcctcaggct	60
ttgaccagag	ctggtaggag	ccttcggtat	cgattttccag	ggtcttgcca	gatcccagct	120
tgatggcctc	gtcgagagca	gcgaagccac	tctgcaggag	tcgcggcagg	gtggggacct	180
ctcggacttg	atggaagaag	ttctggttaag	agcagggtaca	gacatgatat	attcagaccc	240
tgcggtcacg	ctccgattcc	caagcatcgt	caatggttgc	ggcacaatag	aacattttctg	300
cattgcctta	gtcctggcgt	ttttggtgca	cgctggcggc	atggccgata	ctctcgaccg	360
cttagaaagg	ctggtctacn	acacgggggc	gtttacattc	tatgancatt	tacatgancg	420
aagcatccgc	cctttcnnga	cataaccatg	gatgatcggg	ctgccgcggt	tttttttccct	480
tccatatttt	cttcaaagt	tttganatta	aactggttgg	tttggtcggt	tgttttattac	540
tttttgggag	tttcacagct	tggcgtatgg	gaatcacgac	aaggagcata	ttttgtttta	600
tcaaggatca	tgtacaaaag	cgtttgaact	cgggtatgct	tggaagacag	aactagcatg	660
agggcgcttc	acgacaggag	aatccntggt	cagggttcaa	gggttcaagg	gtctcgggcta	720

ggaagccggg atgaccacac attacactgc atcgattgtg cgaccgaang tcagtgtggg	780
agtattaagt atcatctcgt atttttagcag aacatnacac aacgtttgag tcttgttnaa	840
aatcatngt ctcanacnca ttcttc	866

<210> 2663
 <211> 612
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 2663	
cttaaggagt gcttcaagtc cggagatgct tgtccgttgt tttcgatggc agactcttgg	60
caaggctctca agaagaagt cgtctctttc gtcggcgatc tcaaggagca gccaatgaac	120
gtgtatgtca acaacagcgt gtacggccta ctagactatc aaaagatctg gtacggagcg	180
ctgttcccag tgctgtacaa gcctgagagg tggtagatgt tcgccgagaa gatggaacag	240
cttctccgcg gtaacgcgac gccagctcta atggaatatg gacttgacgg tgaaggcaat	300
agtgcgcgc tctacactgt ttcgctgaat gatggactag cgggtcctga gcactggccg	360
caggatctgg actctcttct ggagattgtc acgcctacct ttaaccgcag cgtttttgcc	420
ccagacgatc tcgtttatct cttcgccaag cagcaatggc gcattcccaa agacacacaa	480
ctacgttcca cgtaacgggt tagagactgg ccatcctctc ctcatcttga caacatctta	540
cgaacctgtc tgtccctcgt ctcaactcga agcgcccttg ccgcgttcaa aagattccgc	600
cttgctcagg tn	612

<210> 2664
 <211> 592
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 2664	
ctagtatcta gtatctagta tctaactaca agacatctct ttccatttct tccttttctt	60
ccattttcttc cttctctcta actagacttt ctgcttctgt cttcagcctc tcagttcttg	120
cctcagttcc aggcaagcct cgcggatagt ccgagcaaca aataccagtc aaagattcga	180
ctacaaaact caaaactcca gtcggtgctg tcatttactg aaccactcta cggagaagac	240
cgctgtcaat agccaccccg ccaaagccaa ttcacaatca ccaactcatca ttgaccattg	300
atcacctaca agtactattc ctattcagaa gtgtcaatct tgggaggcaa taagagactg	360
gagctcttga tctacaaaaa gaaagcttaa ggctattctc tactcaactc aactcaactc	420
tacaaagacc aacctctcat tcttttacca gcaacgacca agccggcact atgatgcgag	480
gcgagatccc tttcangcac cggcaggcat ttgctcagcg acgacttgcc aaagaaccca	540
aggtcttcaa cgcaagctgg aacaaatggc tctaccactg gcggcctttg gt	592

<210> 2665
 <211> 119
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(119)
 <223> n = A,T,C or G

<400> 2665

ngaggatatg	ggtttgggcc	caanggggat	ggaattactn	ttttnacccg	ttttaaacct	60
ccttngtntt	ggggattatc	aaaggcttac	ttcgaatacn	caaacaaccc	taatttcct	119

<210> 2666
 <211> 226
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(226)
 <223> n = A,T,C or G

<400> 2666	
ngggtgctcc	ttaccaagtt caagctacac ttgaatggga gagtgtcgag gtctttgaca 60
aggctgctgc	naacgaggtt gccaaaggaga tctttgggga catcaagaac ttttaccagg 120
gagagccatt	gcttctcaag ggtcctgttg ttgctcatga aagcgtttcg tcttcgtaag 180
aacatacact	aatcntgtgg ngaaattaat acatcgaatc tgactc 226

<210> 2667
 <211> 393
 <212> DNA
 <213> Fusarium venenatum

<400> 2667	
cgaaacaggt	caaggggtact ggcaatttac tgtcatcaac cctggccgag ctatgctcaa 60
tgttcgtgat	gctcgtcacc cggagcgtca tttgacaatc ccccttattg ataagtcca 120
gtggagacta	agtacgtct ctgttgattc cttggaaaca gatggtatcc aagccttcga 180
ctttgtgtcg	ttcttgaag ccgtcgagac aaggtggggg gctgagtggg ctgggtgggt 240
ggaagaaggt	gcctttatga cgaggtggca tgtgcaagat aacagcaagc gatggagata 300
tgagagaaat	ccaaaggcaa agaaagaaaa ggccagtaat tagatcaaat ttttattcaa 360
atagcgtgtc	aattaaacat gttaaagttc ata 393

<210> 2668
 <211> 596
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 2668	
ggaacttcct	ctgaccctcg gctctactac ctattcagct cgccgccgcc gtcggttgca 60
gacaatatta	tgctatccca ccgggaaaag gcagcaaccc cgcaaagcgc tgtggctcgt 120
ggcatgggtg	cacaatacgg catcgggtccc gccgttcagg aacgtctcac tccttttggt 180
ctccgtcgct	gggaggtgct tagtgagcca actcccaatg tcggcgagaa tgatacaagt 240
cttagcttgg	gtctctttga agctatcaag cttcaataag attgtcaaga aggcacctta 300
ctactattat	caccttatta ttgatgccaa gatcccttgg cacaccactt tacatcgtgg 360
acactatacg	aactattcct tacaccatca tacttctaac tctgtctgag ttcttttctt 420
taaattctcat	ggctataccc ctgttacgga actcangctg tttgcatcag cgataatgtg 480
cactgcaaga	cggatctttc tttttatcaa tgttcaatcn gggttacacan ggcatcgtac 540
aacnaatggg	ctctttgttc tcctttggtt tcggtatttg gggcagttta ttatcn 596

<210> 2669
 <211> 924
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(924)
 <223> n = A,T,C or G

<400> 2669
 ctctccctca agccaaaatt ttgttgacac cgctcttcta ctaaattcct tgaaactttt 60
 ctccgacctca gagtgaggcc ggctctcaac tctgcaacaa tgttggtcac aatgtgccaa 120
 gcattatggt tcgcccgcgc tgtccctgtc tgcccctgtg ctggcagatt ccacctggca 180
 atgggccttg gataaccctt tctcaatgcc cgcgagagaca catgaaaata ccctgtggagg 240
 atgtctcgcg ggctcagaag ggggaatcagg aatgggagggg attttgcagg catcatttct 300
 tgtcaatctg tcaccaagc tcacagatga tgccgcacat tatcccccaa tatggaatcc 360
 cgccgctttt gtccaaggga gtcaggatat acaacaatt tctcattctg atcagcctaa 420
 tgagtcattt tgcccagatt tagtgccctaa cgtcctccct tccgtctcac ctctcgtcga 480
 acagggcctg tcttttgacg gtttcacctc caatttaaat cctagagAAC ctacaccac 540
 ttcatcttcg tcaagccct caaaatctgc aaaactctc gaaagccatg taagaaaacc 600
 cgatgaaaca tcaagagcgc ttattcacia acgtcaaccg taacacggtt gcggcaagga 660
 aatatcgtca gaaagaagat ggaccgaatt gcggaattgg agcaggcttt ggaaagcggg 720
 taaagaggaa agaagtgatt tggagttaca gcttgccaag aaggatgcc gaagttaatt 780
 ttttgagggg aatgctgaga aagtagtgta tttaagggtg agccaagcct gagattcaag 840
 angaaacaaa gccatgacta aaggtcgatg gaattattcta gtattcgtac actaatttga 900
 gaaaactttg agttttggaa aaaa 924

<210> 2670
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 2670
 cagtcaccag tgaatcaatc ctgcgaatcg cgtcgacgtc tctcgctact cttccatttc 60
 catcagctcg cgactccttt ttgnccgatt cgattttcgc atacgcctta tctatcaagt 120
 caacaactca tttccggggc agcaccgcg tgagctgctg tgccttaatt tggacatacn 180
 accgccccga attaaatcgc cgcgtcgcta tcgcatctga ctgaaagtct cttgttctca 240
 tcaaccatcg tccgtcgaac gttatcgacg agcgttttca tttcttcttc gacttatctc 300
 gccgtgactc cggggccgga gtctcttcca tgtctgtcat gactactcga ttggactctc 360
 gcaaactcgt tctaggggag gacaacggct acggatacgg ccaactcgtac aacaactnat 420
 acgacaacag ctacgcccc tctnctgttc catcgccgna gccatccct naacctccgn 480
 attccaggcc gcggtgacca acatacaacc aaggtttccc taccgggaag gactcacttc 540
 ttntgttctc ncacaaagta tgaaaaacng caagatccat ttcatgaana ccgatggccg 600
 gcttgcttca tggntgttct ctca 624

<210> 2671
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 2671
 caaacacaat ttagctggct ctttgcacac cgaacacggg aaggacttgt aaatcgattt 60
 tggagatatt aatcgcaaca gaanggtggc cactttctgc agctattttc atcctttgtg 120
 tttgcnacac ccggcctgtg tgcccaggat acaagctaca acatcaccaa atacgatntt 180

tntttgcgaa	ctttcaagta	tcgaccgatc	gaacttccca	ccatggcgcc	agaaacaccg	240
agagcagtct	cttcgagatt	gctcaccatg	aaattcatgc	aacgagccgt	ggcctcggan	300
aactcatctc	ccgcttcaga	aacacattca	tccaagaaga	gaaaaacgga	tcactcgtca	360
ccggcggggc	gcctcgatct	gaacatcgat	caggctgcga	ttcangccgc	gctagatgcc	420
caanaaacia	aacgtcaaga	ggctctggan	aaacatgtcg	ggctgataca	cgttggggtgc	480
tgaataactc	attcgctggg	ncaaaagcta	ccaccaagca	aaaacaccca	tgaatgtcgt	540
ttatgtgggt	atggggacat	tgctnttcta	acgattcagg	cgacaatgaa	aatgcgtttg	600
actggggggc	gtcctngana	aata				624

<210> 2672

<211> 178

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 2672

ntttattctt	ggataggctg	nactgaagaa	tgganatctt	gatgangaat	caanatattcg	60
gacgtcnnag	ttttcnaagt	caatnccgnt	gtacggaatt	gagataccac	ttaatattgag	120
gatattgtcgt	cgagcggant	cctaaacagg	aggttccgac	nataccaaca	tgaggcct	178

<210> 2673

<211> 593

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 2673

gattcttctt	cacctatcaa	cgacacttta	cttcatcatt	caagcactca	ttaggcgcca	60
catcaaccaa	cctcaggcgc	tactgtcat	caatctgcag	acctcaaaag	ggtctgatga	120
ccacgcgcgt	cagacaatca	agagagaaaa	gaccaaacia	aaagagagaa	caaaaaccac	180
atcaggcacg	ggaggggagtc	ttgctattat	tacttttatt	actggcgtgc	ttttatattt	240
tctattcaac	ctgggcggga	catgcatgga	aggaaatacg	ggaaaccggg	gcattcaatg	300
ggaaaggaat	atcatttggg	atggaaagg	aaacggcaaa	caaaccacac	tttttttttt	360
tcctttttct	tttctttttc	tactatacat	ccctactct	actatctctg	tactcgggca	420
tcggggcggt	ttattttacc	atcagtcctt	tcttcatcgc	gcaaggagga	caatggttgn	480
actacaactt	gggacacaat	cagacacagg	actattaccc	caaagattgg	aaaggatagg	540
ttgcatattg	tttggcgcca	agggaaatgaa	atacaagatc	aatttggccg	gtt	593

<210> 2674

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 2674

caacgcagtg	tcaagttcac	aaacaagaaa	gatgtttagt	cattttctccg	agataatagc	60
ctcacacatg	gttgctctcg	actcaaacag	caatggatac	agggatgtca	tcctaccact	120
agcataccac	gacgacaacc	tcgcacaagc	tgtgtctgtc	gtgtcagcgt	ttcacctcgg	180

tcagaaagac	cctaggttac	aacacgtcgc	cgaaacaggc	catcaagcaa	tcgtccagaa	240
actacggcgt	gattctctac	aactcagccc	ggagcagctt	ttcaatccgt	atatacctggc	300
cactatcttg	gtacttcttg	ttggggagac	gatcacaggg	agcggataat	tacacatatc	360
ttctcgagat	gtngaattgt	ctcacgtcgt	atccgggatt	ggataacaat	gctgccgccg	420
agtttgaaag	acttctttct	tcagcaaadc	aagatgtttc	aactctttgg	tgttccgcta	480
gccaacgaat	ccaaaggtct	acaagtactc	accggcccag	aagcatacct	agacttcatg	540
ttcctatccc	gaactcccc	cagactcaga	gcacttacct	aatattgaa		589

<210> 2675
 <211> 232
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(232)
 <223> n = A,T,C or G

<400> 2675						
ntttacngan	ctcatccnaa	atgnagagtg	gtgggtgtac	tggnnataat	ggcctcaggg	60
naaatnaacc	cttgctatan	tttggtgtgg	aaaggntatn	aattgatagn	aggattccaa	120
ancctncagt	angtcnatga	tgccatacac	gcanananaa	aaaactatgt	ctaggtcngg	180
aaggantnga	agaggncnng	agganacctt	gtccccatgc	actaaagcca	tg	232

<210> 2676
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 2676						
ctccaatctt	ggtactctcg	tctgccaagc	ttgtggctcg	cgtgtaggcg	aacagcccgt	60
gggaacttca	ccttgccctg	ctatctgcgg	caaatacgtc	tcgcgcgtca	ctggcaccgt	120
cgtcagcggg	gaatgcggcg	tctgcagcga	agcaaaggag	cacaggaccc	aactcaccac	180
gaggctcaac	cgtgctttta	gcaagtgcag	cattgcggca	ttatcccaat	tcattagacc	240
ataccctccc	aagccatcta	tctgcaaggt	atctcacttt	gctacgacat	acaatgcaag	300
ggtgacatca	aggetctatg	aactagaatt	gaggtaaatt	gtctggcttg	ggacgcggct	360
tccacgatat	ttatatccgt	tcgaaagccg	acactcatac	aaagagacca	taccgcacac	420
tagttttttc	ttatctggtt	ccctttcacg	ctttacgact	catgctctta	cgatatgcac	480
ggcggcgctt	atggcatatg	cttacttttg	cccttttggt	tgcaactttg	gatggagtat	540
ggagganaag	tctgcgaacc	caacngtggg	aacaagtgtg	caacactggc	tcacaatttt	600
taaaattttc	tttacnatac					620

<210> 2677
 <211> 187
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(187)
 <223> n = A,T,C or G

<400> 2677						
ccagcaaaac	cgagtagctc	gacggggccc	aattgatgct	gtttaagaga	cgagtggctn	60
tttcaataat	gggactcccn	tttggacccc	ccccaaacaa	tncnttcgct	acaacagntg	120

gacatatccc gncagcaacg ggccatatcc cacctttatg gctttgacaa ctccatcctc 180
ccatcat 187

<210> 2678
<211> 115
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(115)
<223> n = A,T,C or G

<400> 2678
ngacattnan gaaatgcgtn ntttgtctct tccattgaca angnggattc cgangnggcg 60
aagnaaatta aattctgngc cgttctgcnn tccgtcgaga gngcctanat agccc 115

<210> 2679
<211> 267
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 2679
nnacatcccc ctgcaccttt tcgcctgtag ngctctntggt gatctcggca gcctttatgc 60
cgccagccgn gagccacaan aagtgatttg tcttgaactg gtcgatctgg ttaaanaaca 120
tgtggaacga gttgccttct cctccacact aaanattcgg gngtanatct gcttgtcctt 180
gaaagcctgg atcttgtcat cataacttggc aaagacaatt ccgtcctttc caagagactc 240
ggaacctttc ggtgnagtgt gggaaaa 267

<210> 2680
<211> 590
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 2680
aaaggaacaa ggcagcgtcc caggtaatga gtgctatggt ggatggcggc agaaaatcac 60
aggttctgga tgctcctggt ccagagcggg atacaactag agactcctgg ctgcccgatc 120
ctcttgctgg ccaccgagca tcattcattg ccctgacatc tgatgagctc agggaactag 180
gtcaacagcc agatccagct cgttctttgc attcggatca ggatgtcgcc cctgttgtgc 240
aacctgaagc cactgccgat tcgtcagttg agacactgag gcgtcctcaa aagctgtctc 300
gcaagaacca agacgagcga aagtcgagaa tgtcaaattt gccaccgcaa ctgagagcaa 360
gtgctttctt tgatctccct gacaacacgc agccggatat cgaagtcaag gacggatcgg 420
cgatggccac tctggaaagt atcctggacc ttccgccaat gccctgtca gtgcattcac 480
cgatcatgaa cgtgccggca ggctcggaaa anaagtctac ggcaaaaaaa aaaaacgcac 540
gtcggttgct gcgtctaccg ctcttcaacc tgagcctgac aagaaacatg 590

<210> 2681
<211> 434
<212> DNA
<213> Fusarium venenatum

<210> 2684
 <211> 609
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 2684
 gctttctgata gttgattctg gcttgaaaca ccaccaacct ggacgcagct ggtaacgtca 60
 agtcttttgag gtaataatct gagcctactg cagcaacatg tttcttcgat tcggatcctc 120
 cagtgtcgtg gccgcctcgt aaggetcttc ttatccgcta tctgctggat gatcctgacc 180
 atcctgacca caagacccca acatatacaa cgtcgtatgtt gaacatacca ttcaagccaa 240
 atactggaac acatgaaata agagcgcccg gttcttacct tttggtcact atccagctcc 300
 ctgaagttag ggctgcatgg gcaatgtttg tatgaacatt ggcttatatg tcatcttcgt 360
 atggctacaa tgtctccttg gccaaagtga cccgagctgc catttgtttg ccaattttct 420
 ctctgaggac aggtgtttgt tcttggaat tgccctctgtt caaccaccca acgactggta 480
 taggcatgtc tgtcaatatg gagcccgatc ttattcgtca ccaggaattc tttaccagtn 540
 caatcccgca ccatggaggc tgatctgaac atatgctttt tcgaatccca atgcttaacc 600
 ctntcgtt 609

<210> 2685
 <211> 665
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(665)
 <223> n = A,T,C or G

<400> 2685
 gacgcatcta tgttccggta cggcatcaga tgggctgggt gatgtggctt cgtctcggaa 60
 cttggggagaa gactccagaa ggaagactag cacaactgaa aaagataaag gacgggttca 120
 aaaatgcgtg gatgacggcc acagctacag accctgaatc cgctgctgga tatcgtgctc 180
 gattctcatc cgctaactctg ggtttccctt tactggtggt tccaaatcct gaaaacctta 240
 tccgtcgatt aaattggcag acggggccagg tgtacacact ctttcagagc cttgttgaca 300
 aaatcaacaa tgaacgtct caagatcccg cagggatgga agtcatgaaa acacgtccag 360
 ggcgggatga tactcgctac gtcgagatgg gagagaatcc atttggcctg ttcaccactt 420
 acatttcatg tgaagacttc aacaagtaca tgaagaacct tgaagtcctg aggggatatg 480
 aagatcagag tctnacgang cangacgcgc accgngctat tnaaacngcc cccagccagg 540
 naatgctacc ttgctgaact tgaccancc atggagcccg tttattntgn agggcnaaaa 600
 aantacccc caggncacaa cggccttttt tgtgtntttg gaaaaatngg aaacccaaaa 660
 aggga 665

<210> 2686
 <211> 400
 <212> DNA
 <213> Fusarium venenatum

<400> 2686
 ttgttcagca tcttccgtaa gatgtctatc gttgtctaca aggatgatgg tgagcaggac 60
 cgtctctact cgatccccga gctcttccga gatgaagcat ctgagccccg cgactcgatg 120
 tcttctgaag tttaatgatc taaaacaaaa gggaaacata aaagaggaca aggactcatt 180
 actgttttcc aacctgcttc gggcaatggc aaagcccacc gttaaaggcca gaaggcagga 240
 taaatctaag cacaactgat ctgagtatgg ttttgagaac ttcactatcc ttgggaatga 300
 ttatagtgea gtgtataaga agcttaagct tggcggtcat ccgagccccc tgagatagct 360
 atttgatata gctaacatga gataagaatc gaaacctgaa 400

<210> 2687
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 2687
 gagctgtctc gctcttggtt cctaattctt tgtccgctct gtctctgtcc tcgcaataat 60
 ggccgaaacc gcaacttctc ctgcccctgc ggcagaaaac aagcaggctc atgtccgtcc 120
 tactaaacct gacgaggaga tctttaagaa ggagctcgca aaggctgaga aggagcacia 180
 ggcttcaatg gaccgcctgg ctgctgtgaa agctaagatt gatattgcta tgcccaacaa 240
 gaacaaggac cagcccaacc ctacccagca acgacgacaa gagctcattg ctccaggccaa 300
 cgagattcga cagaagcagg ccggcggaag gaacgcccgc actggaaagc tcgatcagat 360
 caagcgcttt gatgagcagg tccgaagccg aattgcccag cagaagacag caaagccaag 420
 gttccctaca agagccttga ggatgtcgac cgccagattg cactcttgac aagcagggtca 480
 actccggtnc atgaacttnc gacgagaaga aggcccttca gacatctnta gcctccgaag 540
 atcgcaagac ttnggcagtc aggatctnga agcagatgat gacctccggc cagacaagng 600
 ataaggatgc atggcnancc gacacgtgcc ttttn 635

<210> 2688
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 2688
 cgcattgtgt gatcccggtg gttgatcaac gtgtcgggca cgtgtccttt atgtcgttat 60
 gatttacgac caggcaaggg cgctgcgcct gaagaagggg ctgctgacga ttccagttca 120
 ttgccaccac ccttggtgtt ggaagagggg gcaaanaatg atgcacctca gtcacgcgat 180
 cgtaaccgac tatctcgctt atttgatata aaccgccttc gaganggggac cgtggaagaa 240
 caaatggatg cgttgaggcg catgcggacg gtagctaata agaattgatca ccaagaaagg 300
 gcangcgtgg ctgaagccgc tgatggagat tcccagggcc aaagtgcacg atttgcgga 360
 aggctgaggg ataagtttcg aattcncact cnagcacaag ccatggagaa cgaanatgac 420
 cagcgcgaca ctaggagcc cgaatgaagg ctatggcgcg anattgcgct gggagatcta 480
 tatcactggc gatcgctttt aaggctgaga ccgcagatcg gctgatcgaa gcttcaaattg 540
 atgangggng catntactca agtttncctt gccaacctgt ggatggaaga taaaatgttc 600
 caacctcgcc tttggaattg angaatgatg ggnt 634

<210> 2689
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 2689
 cgccaaaagc ggacacacaa tgacaaagga taaactcaaa gtcaactaat ccacctggcg 60
 agaggtaaat aagggcctca gtctcaaach aanaaattca tgggctggat gatgctaaac 120

gatcatgata	cactctcaag	tctgaagcac	aaataacata	atgacttctc	ccaccaaaaa	180
agccgctcan	ccccagcacg	ctgcaacctc	tgacccgtgg	aactcatctt	caaccggcca	240
tcaacggtcc	gagtcacgtc	ctggcactgg	ctggcgtag	tcccgcaccc	ggaagctcaa	300
cagccagttt	cgcagcggtt	catcaggcgg	ngaacgtctc	agtgcacat	atggcgctgg	360
gtcggaggac	tatggtgagg	agcgcaaggt	gcttgtccca	aaggtagaaa	aagagagagc	420
gcagcggagc	gtgaggnata	tgcttgtccc	gccgggcaac	atgcgggaag	agtttgggct	480
tgaaggatgt	tattcaggga	cgaggtgagg	aggctctcat	ggaagcaaga	cggaagggaag	540
acnaagcgcg	ggangcagng	cttccaaana	aggcatnttt	gacggagctt	gtc	593

<210> 2690
 <211> 377
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 2690	
gcaggagcag	cagtgttgcc agcaacctca ggggcagggg cgacaaagta gtcagccatc 60
tctgaatcga	gttcctcttg agtcttcttt gcaggacgac tgctacgacc gcggcgcttc 120
ttgttggcag	cgcccttcgc ggctcccttg gcggcacccg cgggtgtgctt gtcagcagca 180
gcggaacttg	gttgagcctt ggcttgggac ttgggctgac tattgcgttg ttagaggtat 240
tcgcgtatga	agatacaata acttacgaag tacgctcagc gagggctctt gcagcaggaa 300
tgactttgtc	agcctgagca gccccgacga cgatctcaat ctagttctgt tagctatcga 360
aaagttcaga	cgccnan 377

<210> 2691
 <211> 620
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 2691	
actcaagatt	ccacatgctc ttcgccaaaca acccatctng gtaaccctng atggcaaaaa 60
catatTTTTa	tcttccgcac tcttgtctta cttattcatt ttcttgacgc ataccatgcc 120
caagctctcg	tcgctctcgt tcccggttgc ttactgattc ataacgatta tgtgaacttc 180
ctcaacttag	gcccgtggtg tacaccttca accttctgct gctaccttcg tatatcatgg 240
tttgcattn	gggctctcag aaaccatac gatgcaccag aacctgatcc tctgcgcctc 300
ccaacgtnag	gcatectccg cgcgaacgac tcccataccg cgcaggtcca cgccctactg 360
ttgntggaat	cgctcctcaa cgacaactcg accagnatgg atctccgaat gctatcgatc 420
tgtccgatgg	ccatggcaaa gctggcaagt cataacccaa aaaagttccg cactganaag 480
ncctgcgttg	aaaaacatgg cttaacattg gtcgctanac attctgtaca aacaagctgg 540
gagggngaga	tctgcccatt natgaatnaa acactntntg ccatgtgtct gccctgatg 600
atatcaaaaa	gggctaataa 620

<210> 2692
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 2692
aagagacgac attagactca gtactgatac tcacaatcaa ctccgcgaaa gaagcacata 60
ttcaactgaa actcatcatg gctgaagcct aacaagttaa tctcgccttc accacctagc 120
gaaanagccg ggtactctgc ttgtggaaaa ccgaacgtct tatcgtagca cgataccatc 180
tctcagatgc acatgtacta gcgagtgcgg ccaacaataa agccattgct gccaacttac 240
gcaacacatt cccatcaccg tatactctcg aaaatgctca gaactttctt gtcaacatgg 300
cctgcaagcc tgacggaaca tcttatccgt accacaacgg catctttctc aaacccaaca 360
cagccgaaaa cccatcgacg gagccccctt tcatcggcgc tataggcgca atgccccaaa 420
acgatatgta cttccgtacg tggganatan gctactggct ggctgaaccg gcttggggca 480
aaggctatat gccagaagct gcaaaggcat tcatacggcg gtgctttcag acntggccga 540
cttgaacaga attgaagcag tgggtcaaaa ctcaaatgct gcgggggtct 589

<210> 2693
<211> 133
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 2693
naatgnctct tnttanaaca anaattttgn gaagtntttg nttttccgng aggccaagng 60
ggctncactt gntacggatt tttcaatggn ggaaacaang ncttgtttgt gttanggaaa 120
aaagnaggct ttt 133

<210> 2694
<211> 105
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(105)
<223> n = A,T,C or G

<400> 2694
nccnagcaca agccctacct tcactctctt atggaaaang tggctcgnt ncatcgctt 60
tatgatcnag ctcgactcca tcgctgtttc tcgaaagcnc taaat 105

<210> 2695
<211> 363
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

<400> 2695
cgcggatctt tgcgatgagc tgtataactc tgatgtttac gattctacca cgaaaacact 60
ccatgcgag cttttggcaa agttggtgga tctttgcgtt gtgttgacag acgttttgtc 120
ggttgtttct gttctttaca ataatccgtc atggatgctt tcgggaagga tggaggtggc 180
taaggatgcg agtctgtgtc agattgagtt gaagaggtgg tataacgcgt ggaccgagac 240
taaagcaact cttgaggaga gaatgacgga agatgggtca canaccgagt ctattattct 300
gtcaagaatc tcatcgagat gtattatcac tctgctcggt tatcggtctg ccactacaat 360
atc 363

<210> 2696
 <211> 512
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

```
<400> 2696
nggaatnggc ttcttgactt tctctctccca gatccaaaat aagacaatat attnccctgt      60
ctttgaatct ctcgattcat tncccgcccc atnaaaatng ggcccctcgg ctcttctttg      120
cctccagtat aaaacttttt ttctctcttt gcgcctggct ngggatacac atacttcctt      180
caacctataa ctaaccgcct tcttgcaaaa ctgcaggcat attccaattc ctacatcttg      240
atcaaacatc atcagcaaaa tagtttctta gctaaaggct caccacgtct tttgtcacaa      300
tggttcacag gcatcacgag tctgcgggtgc cggcagtgat ccctgttccg cacgggtcctg      360
tggacagcga ctntgancaa atctcaaacg anccatttgc ttatgtctact gntnaagaac      420
cccccatntt cagccatgga acacgtncan atgattccta cnccgaggga tgggggtttac      480
tggggccnac cttgctttgg caaaagcgct nt                                         512
```

<210> 2697
 <211> 571
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

```
<400> 2697
gtcatcatca acgaagaaga tcgacacaag ttttgggaca ctactcctac cggcaaccag      60
atcatgggtca gccatacctc gatcatggac acccttgaca agatcgtcta cggccccaac      120
ccaattttctc ccaagtacac cattanctct ttgcgcaagt ttttctttga catcaagatg      180
aactttgtcg accaccatt cttgtccatn gcctttgtct ttgctgtngg ttttggcctc      240
tactctnggt tccgtaaccg cactcgacga tctcgcggac tttcttccgg gacgataaca      300
tgggtctcaa ggatggactc ctgggggtcan aatagcaacg ccaagtccga ttaaaagaat      360
cgattcttgt aagagcggag tcgngtcact cactactaaa aagatcaact nttaangggg      420
tttctgggga cnggtcgcgt tangatgttt nggcaagtgt tgttgaattg cggagttctg      480
gttngataac tattgctttg aaattggtgg ccnttgata gtaaaacaag ttacagnag      540
aatgtanttg catttgngng gaaaaaaaaa a                                         571
```

<210> 2698
 <211> 611
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

```
<400> 2698
tgaaaagatc gacgatattc gtgtccgata tttcgaacac atggagaaca gagcaggcac      60
ctccaagccc aaggaagatg aagtagatga acttgacagag ttgtcccagt ccattttcag      120
cgtgagcaat gtgcggcgca acacccaaaa caatgcgttc ccaacaatgg aaagcacaag      180
atcgcaagtc ccgtctcatc ctgcacaccc actgaatcga ccccgccgaa caaacagtgc      240
tggttctcgt cactcagtca acagtctgcc tcggagtggg cgcacccatc gtgcttcatg      300
```

gagttcaaag	gactttgcag	agtgggatgc	tgatatgaat	agaggcgaca	cctcccgaat	360
tagtcgcag	cgaagcagct	ccctgcgctt	gcaagcatcc	aaatactctg	taaagtcggc	420
cgccaatgac	accgactcga	gaatctgcag	agtttcctcg	catgagtacg	aatactgnng	480
ataaggaccc	gattgtccaa	aacaaaatcg	angagagtgt	nctcttccaa	aaagaaggaa	540
naaacgtaa	nctgggcaaa	ccaaactnga	tntgcgaaaa	gcccttccaa	aangctttna	600
aaaatgacca	a					611

<210> 2699
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 2699						
cgcaggaatt	tttttttttt	tttttttttt	ttngcgtgtc	tcattgcggat	agatgtgttg	60
tgaagggttt	gctgagacta	tgaatgcatt	aaaaaacgaa	cccaaaggaa	ttgatcaagt	120
gtctggtaga	gcttgagtgc	gctttttttt	gcgctgtgct	gcgaccgccc	caagcatatg	180
tcgtcgtcgt	cgctcgtcgt	gtcgtcctta	tctcccccca	ccaccacggg	attgccatac	240
tgtctgtctc	atgaccaata	ctcttggtct	cgagattagc	ctcaccgaat	gcatacaagtc	300
gctgtcacga	acaatcctcg	ctctgcctca	aggtctccta	gtgttcctcc	tcctgcangg	360
tcttggcagc	aatatgtatg	accagcaaat	actgatcatg	ctgcgtanac	ggctctctct	420
aataaagcgc	tcgaacaatt	tgtatctcga	gcttattcaa	ctttcttgaa	anctggggat	480
ggggtagggg	gctcattaag	cgantcngtc	tcctcagggg	acngggggaa	gggtgctttc	540
tggcttggaa	ncacaaaaat	tcttctcgaa	atcc			574

<210> 2700
 <211> 777
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(777)
 <223> n = A,T,C or G

<400> 2700						
tttggtaggt	aggaagagct	tttaaaccac	acactgctat	ttctttctga	tgaggcttat	60
tccaataaag	acagtgtttc	acgatcaaag	ggacctatag	taacaagaaa	cacgcagata	120
tcgatactca	taccctcttc	acaataataa	ccgcgattgc	aaatctttct	gccaggcttg	180
acaaatccag	tgaccctgca	ttctcttcgg	ctgcctctcg	cagcttattc	atcaaaaatcc	240
taacaatgtc	gtctttcgtt	ccaatcaact	caggattggc	ttgttgccaa	cgattgaccg	300
cccaaaacta	ttgactagtt	tgtcgaacct	ttgaagtgcc	tcgtctagt	gaatatcact	360
aggtttactg	ccatcatgta	ggtcttaaga	aaatcccatn	cttggcactg	agttcgtggc	420
gggtagacca	ttgacnggca	tacaatgaaa	caatggccgg	gtcgtccaag	catgacgagg	480
tggcatattc	gcgngcgtaa	gttgctgcct	ntgagtggac	cgagcaagca	cattttnttt	540
aagttttaat	aagaaccgta	ctttgtgccc	aacgtntcgg	atttctgaaa	ctggcatatg	600
gnacggcccc	ccggtttaan	aacttggcag	tgnttccaaa	atttgnattt	aaacaatgaa	660
cccaanggct	gtggataaat	ccncaaaaaa	gatcaaacat	natnttgaaa	ttttaacata	720
ctatntttnt	acaattgana	nccggtttgg	agacccccaa	ttggttaacc	ttttgaa	777

<210> 2701
 <211> 122
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
<222> (1)...(122)
<223> n = A,T,C or G

<400> 2701
ntncaatgca cggngcantic ttgantttcta actacacaaat ctttagagtt cgggagaggt 60
cagttctttt cnatggccca aaaatngcaa ggggtgcttcc agtncnttaa atgaaacccg 120
ga 122

<210> 2702
<211> 332
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 2702
natacacaag gacgatacac gaagaaagca acacggggcga aaatcccaac gaaccggngg 60
gcccctggng aaacgactgc gggatccaaa ctctggccaa caggaatgaa cgctncgcga 120
agcactttct agacgaaata aagaatcaat ttagaggaaa gccggcgact ttcggggcgac 180
aagactagaa aggaaaatga tgcgacacga cgaagangga tngaattgat tacganggta 240
tgataccccc tcgaataaccg aacgaanact ccggtctcga tataaaatac gaaacagaat 300
acaaggggga aagatgggca cnggcctttt ac 332

<210> 2703
<211> 572
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 2703
gtgcgaggcg ctgggtggggc tggcatccaa tctatacctc agaagccctt ttctcaattc 60
tgggtttctcg ccctggcgaa ctgaattatg gtgccgaatc ctttgggtgct agaactcgaa 120
ntggtcgccc aatttgaatt ccttcctcc aggccctgaa gatgccgaaa tccctgccatt 180
gacccacagg gtttcaactca atcgctaca aaagtgggaag aagcgcagca tgtctcattt 240
ccaccaaagt atcttctacc ttctctcatg tacctcagg agcccaagac cgcgacttcc 300
tgatggctct agtaacggcc taccttctgg cgggtctttc gacactgaac ctcatatcac 360
gtcggaaactg aatgccatct cnaaaaatat ccagagatcc tggatctcag gcgccaatat 420
gtctcaacttt ctaaccaggg ccngacgat aaccgagana tgatcaaaat tgggaaatct 480
atccccccca cctgaacccg cgtggggaca tcttcaaaac aggcacaag cnccccgaac 540
atgtgccggc cnggaaaatc tggtncaatg ga 572

<210> 2704
<211> 597
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 2704

accgaggtgg	acattttctcg	cacaactcgc	actcgatcac	agagccagga	gcgacgatct	60
gacttccgcg	acgatgagct	tgtgggttcga	cgagaatccg	attcccgtcg	ccgagcgcat	120
tctgctgctc	ctctgcccac	acctagtgtc	gttgatgaag	agggcgacta	ccttaccgga	180
aagattgact	ctcgaggcaa	aatgggtgag	gcctgggggtg	gtgccaccaa	ggactggact	240
ctcgtggatg	ttcctccagg	cactgagcgc	atccgtatgg	atggaatcgg	cggtggcagc	300
actgagacac	agtggacgag	gtacagcgga	ccaggaagag	caagttcatc	cccagagag	360
atggccagcc	ttttcacttc	tgtgcattcc	caaacctgct	ttanggaacc	tttcttccca	420
accgtgacgt	gacacacaat	gacgtgtaat	cncgaccgta	gcggaaatcg	cattggagac	480
tcacggtttt	gacctgtctc	accaccaagg	ntttggcccc	natectagga	ctgtttcccg	540
aggtnntgna	cttgggtccaa	ttagggccag	gattttctttt	cangctttaa	ttgaaga	597

<210> 2705

<211> 727

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(727)

<223> n = A,T,C or G

<400> 2705

cctgataccc	tttttgtgta	tttattttca	tttgcctctc	tcaagcttgg	catactcttt	60
ggtctgggtc	ggcatctacc	gttttgtacc	ttgtatttac	gagacagacc	tcaccaacac	120
caaggtggcc	agacacttga	actcatataa	cgccagagag	aagcttaatt	taaccgccc	180
ccgccgtaa	ccctctccat	catgggagtc	ggttcatttc	ttgaacctct	cgctgtgggtg	240
acccttctct	ttggaggcgc	ctacttcaac	cgcagtaagg	actacaactt	ctggaccaac	300
aagtcaggct	tcgccagcct	caagagctat	aagcgttccg	atgacctacc	gaaacgagac	360
tcgaccgaga	gttttcatga	gtggatggag	tggttcgcgt	tcgccgaatt	tggcttccag	420
aagaataccc	agccgagtct	gcgttgtcgc	aggttgcaag	tggtaagggt	caagcgcatt	480
ggttntacgc	caaacacaca	agtntttgag	aatggctcta	agtgaacttt	gaagaacttc	540
ccttttggtc	gaggggtggga	ctgggtccctc	attacttttg	ataccagggtg	ggcggccatt	600
aatgcttgat	tttgaagaag	gcaccgtgat	taacttggca	catgcttttt	aaatggtnat	660
tttgaaaagg	cctttttttt	tttgaggagg	attttaaaan	ggtcttggnc	aacaacnatt	720
tttatgg						727

<210> 2706

<211> 781

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 2706

tctgagtaat	cctcagcatc	tggacccttg	tactcaggat	tactcanaag	ccgaggcggc	60
atgcaaggcc	aacttgtgaa	gacgacaaac	gcaatcagat	tgcacatggc	catggttcgt	120
cgacgagctt	catacaaagc	aggaccagca	gtcacattat	cggagccgac	gcgaccagca	180
gcaagcgacc	ggtggcnagt	ggttgtgaag	tagtacagca	ccacgaggaa	catgatatgc	240
caggaatatn	ggatgaaaga	ataaatgccg	gttgatccag	tgaanaatcg	ttggtcgtgc	300
aaggaacct	tttngaaaat	cgacctccca	gaagatatga	aggcgtggt	cgagatgaac	360
gatttgaaaa	gcatgtcgac	gagctacatc	aacggtgccc	ttatcnanag	tcaaggcagt	420
gatgggcgcg	ggcaactggt	atacaaaagt	anatgaggga	cnatccaacc	tcgacaaaaa	480
aaggggaact	tttttaaaag	tcgcttaagg	aacnattctc	aaagacttgt	gtgtttggcg	540
taaaaacaat	ggcgcttggg	gcctaacctt	tgcaacttgn	gacgacccaa	anttcggttg	600
ggtatttttt	ttgggagtta	aaaattnggg	gaaaggcgaa	ccattccatc	cacttattaa	660
acttttgggt	cgagtttngt	ttgggttaggt	attnggaccc	ttattgcttt	tgaggtngca	720
aacctggatt	gntggcccaa	aanttgagcc	ttatgggggt	gaatnaggcc	ctccaanagg	780

<210> 2707
 <211> 702
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(702)
 <223> n = A,T,C or G

```
<400> 2707
cttttcacgg gtcacgggca cgaacctggg tttaaaacac gcaaaaagca aaaaacccat    60
nttcggtntn tttaaaggga gaaagttttn taatnttaan gaggctctca accaaagctt    120
tcaccaatta agcataaacc ttttttactt caacttcggy taacccaaac acaaccttta    180
caacattcat catgggctgg ttcagngggt tgtcatatcg tttatgctta tcagttgggt    240
tcttatccct tcagaggcct caaaccaagc tcaagggtag gagacagtga ctcaacgtcc    300
tcattaggca gagtgggtccc ccnaacttta taggnggagt tgcagcctac gaggctgcca    360
aggcctatta aaaccatggt gctcggaatg gagagcctga tagccacgct caagcaaagg    420
agatcttggc aggttttggt gnggcctttg ttgatcgaga gattgacacg aagggtattg    480
attacgtcga cgcanaanaag gccaaagcgt atggaaggca acatgcaaaa gagcagttga    540
gctacaacaa caaccagggn tggaaactaa accatgctga gaaaataaaa cttaactttg    600
ttattcttcc acnaggcttt taagggggaa tnttcctggg ggccgttnga gctgcatct    660
atagggtctt nttcccctnt ttgagttggt taccttcaact gc                                702
```

<210> 2708
 <211> 650
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

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<400> 2708
caagccctcg tcacgccgcc gcctgtcgaa tcagaggatg agcctatgac tcctccaatg    60
atgcgaacga gtggatatga ctcggatgca cagcccggag attttgacga taatgatttc    120
ttcgaggact agtgtaaaca aggtttctct actttggtcc aggagacgca tatcatgact    180
tattataatc tatatttctt ttgtcagaac accaaaaaac ggctgatgca taaatatttg    240
cgctgcacat tattataaca agtttcaccg agactgcgaa cctagaaaga taccctttt    300
tggattcatg tttatgccac agattgggat ttgtttgtct tttatttcca tcaagtcttc    360
tttgcttttc attctttcac tccgttagga agcctgtggt tcagagggtc atctcatgaa    420
agagcccgtg aaagcatata agaaaaagga taaaacacag aaaaaaaaac gattgcggaa    480
caataagttt tgatatttca gtactttcct cactggcggt tggatagcgg ngtgggtaaa    540
tgtcatttgc acgtgagaaa acattcaaga acgatggctc gtggacataa tcataaattt    600
actctcaaaa gnaaccatag aatgaagtan aatgagttat ttttttttaa                    650
```

<210> 2709
 <211> 317
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G

<400> 2709

caagggagaa	attgtngata	tgcccgatgg	ggaactcaag	acatgggtggc	tggatcacgg	60
nttggccact	gatttttttg	gngactttctc	caanttgcct	atgaagcttt	gtatcgggtga	120
tctcttgtgc	tgtggagaga	tggttgcaag	gggggttcacg	gcgaagacga	ctgacagtgt	180
tgagaagttg	acgggaagga	agccgaagcc	gtataaagag	gctttgttgc	antncaagga	240
cttgttttcg	aaagccta	tanagagtct	acttgagtat	cacagagcct	attaaatata	300
gaaagttgga	ttgcttg					317

<210> 2710

<211> 616

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 2710

gagcctcatg	atcttcaatc	gaggggtcaag	gctcttgagc	gacattgggtc	agcgctggaa	60
aaatgccaca	ccaagcttag	agaatgggag	cccaaatacg	ccacccaagc	acaaccgcca	120
ttgttagaag	ggcaggaaga	atatgcgctc	gacttgaacg	acgaacaagc	cacacatgcg	180
gaaattgagt	accggaatg	gcgctctgat	cgagatagaa	aggtttcata	cctaaaagtc	240
aaccaccccg	agccatctgc	ctttgtaccc	gtcgaacgctc	gcgacatcca	aaccgacgaa	300
acatggaaca	tccttcctac	atcaaattgg	cactacggga	agcgctggtt	accagtctgg	360
acacccattc	tcttccaaga	agtaccgctc	gaatgggaga	gtcccaagga	cggttattgc	420
tacaagagcg	gaaaggagac	ggagagatga	gtttcgcaga	agagagaaca	acagaagaga	480
gaagaagtnc	gagtttcaaa	aacaacttct	gaagcagacg	aancgaggca	tgatacacat	540
tagcgatttg	gacattta	gattgggata	ttgggggttt	acataacag	gagaattggc	600
gatttatagc	ttggat					616

<210> 2711

<211> 234

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(234)

<223> n = A,T,C or G

<400> 2711

naaccccnag	ntgggtaaaa	nttaccagc	ctnggattta	ttanttgnta	accnaanaac	60
ttngngggcg	ggggggaana	acaaatgcc	cccggttgcc	cggtttcanc	acccgagttg	120
ggtatatggt	ctgggtggtt	tgggtgggag	tgggcttttt	attcttggct	tatttcgtaa	180
attangccat	ggtaagtttt	ctgggagttt	ggaatatatc	tacatcatgc	caat	234

<210> 2712

<211> 321

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(321)

<223> n = A,T,C or G

<400> 2712

caaggancaa	gtcnagatgc	ctccccgcgc	ccactccaag	acctctcgtg	gtcccccgcc	60
gacccttcga	agtctgccc	actgtcagta	tcaccggcca	ctgaaacatg	aagcttgact	120
ctgttttaggt	tcgaattgtg	aaattaagac	tgaccgataa	taaatnttga	ctccgaagcn	180

ttngctcggtt gggcgaagta tnggcctgcn caaataagcg tgaaggctctg ggcgaantcn	240
ggtctgactc tngtccaaga tccgtcttgc cggccgncng ctccttacct tncacaaga	300
aggaccccaa gogtctcttt c	321

<210> 2713
 <211> 447
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 2713	
ggaaaaatac gagttcaaatt tgagcttgtc tcccaccttg tcatgaggga caatgatcta	60
cagtccttgac tgagacattg ggaactatct cagcaaacaa gacttatact tctgggtgtct	120
gttcggtctt tggtactact caacaccatc aagcttgagt cgatatctcg acttgactca	180
acttaacaat gaattctctg gtcttgtctc cggcctcagc cttgggtcttt tgactgctgt	240
atctgccagc ccagctgcct ttcccgtccc agcctcgatc ctgacctgta cctgctgcac	300
ctgtctcgcc tgtttcgcca gctgttgaaa aacaancagc caaggtcacc gttgctgttc	360
cttcnngcac aattgnttgg atccanctct ggaaagggtg aatcttcana accatccctt	420
tccccgatcc acctactggt tctctac	447

<210> 2714
 <211> 601
 <212> DNA
 <213> Fusarium venenatum

<400> 2714	
cttggcccat tctaccatac atccattgat cagttagtat ttogtcaata tgtcctcctc	60
tcctctccgt ataggcttcg tgccagagca tttctcaact cccctcttct tcgcccagaa	120
gcacttttgt ctcgatgcaa ctctcattcc ctttccctcc ggcacaggcc acatggtcac	180
cgccattcga tctggagaga ttgatgtagc tgttggaactg actgaagggt ggattgcggg	240
tctgggaaag gagggcgtgg aaggagatgg tgggatatcg tcttgtggga acttatgtcg	300
agactccctc atgctgggct atctccacag gcgcaaagcg tcctgaaatc acatctgtcg	360
actctctcaa ggggtggcaag attggcgctt cactgaattg ctcaagcagc tacgtgatgg	420
gcttcgtcct ggccgaccag caaggctggc tgactcctgg tgccgcagaa aagcccttca	480
gcgatactgt agtctcaac acctttgaaa acctgcgtta cgccgtcaac agcgggtgagg	540
ccgacttctt catgtgggaa cattcacgtc caaaaagtct acgactctgg tgagatccgc	600
c	601

<210> 2715
 <211> 632
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 2715	
atctgtagag ttacgagttg actcttaccg ccgctcattc gacatcactg cactgatctcc	60
cattgccaac aacaacgact tccctacgcg tnaaagtctt gattctgctc gccttccccg	120
tatgcccaga tctgcggtcg agcgatcggt tgagcanccc ccaacagctg aggaacgttt	180
tgaagatggt ggactggatg accacaagta ccaatatcaa caacagccgg cacaacaggc	240
acagccccag aagcgaggct tcttctccaa attttccgac tctcgcgaca aggaccctc	300
aagcaacccc tctgtttccc gattcctcat gcatggccgc aaaagagctc agagcggcca	360
agggtcanaa cttacaccta tggacaatgt accgcccagg gtcactgttt cacctgaagg	420

tcaaganatg cattgaaatg catgaaagat ttagtTTTTa cCcttctacg ttgtattaaa	480
aatcctggag ttttcgtttt atattaccog gcgttatcgg ntacaggggc caagataatg	540
ctanaaaacc nttoctacga cactaacatt gctangtaca acttggggccg naaatccggc	600
ttttgtnttg gatgggttat gcaaaaanaag ct	632

<210> 2716
 <211> 164
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(164)
 <223> n = A,T,C or G

<400> 2716	
nggtgatagt cttcttaccg tgnntaacag taacatccna ancaccagng tatccgntga	60
ccctactgat cccgctgnca ncatgataac caccactant gatgtannaa ccatagcatg	120
nanggtcttg naacaacaca tcagtgttgc atantgaagg atca	164

<210> 2717
 <211> 603
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = A,T,C or G

<400> 2717	
caatgcttcc attacaggtg ttgtgctgag gctataagca tatttcgagc tcaaaacatc	60
tcctcaacag cttttattca ccaccgatct tcaaagaagc acacaaacaa ccgacgtcca	120
ttttcacctt gaaaacatgc agttccaaca aagaattcca tccagcctca cccgaatcct	180
tctagctcct cattcgacaa tatcagccac ccccgaagat cgcagctctc acctccattt	240
ctattcgagt tttccctgtt ggcgccaaat cggaagagct ctcaacgccc ctccctccact	300
caactgttga gagctggcgt ccctgtctgc atggagattt tgtcggcggt atctctcacc	360
gagactttac tttacctaca ttacttgacc tacctatgag tgaacaactc tcctcgattt	420
ttatgataca ggggtttcta tcctattact gagcaaaaca gagttttatgc ttggaatant	480
taataaggag caagcatatc ctggtgggtg agttgtatac tatagangct gaggcaggta	540
cagtactttt tttttcgtgg ggggtcaacc aaccgattca atgaggcttt agaacaaacc	600
gtc	603

<210> 2718
 <211> 560
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(560)
 <223> n = A,T,C or G

<400> 2718	
tcgtcttata attcacaatg gctgggtatcg cttactacac cattgccggc aagcaggctcg	60
gcgggccacta cttggccatg gcctgggttg gaaccctctt cgccggtgtc aagtacgcca	120
cctctggcag ttctgctaag cctaccgcta ccgntactnc ccccatnaac gcctcaagct	180
tccaacgagg ccaacttcat ccaagacttc cttaccgagc anggacaaga agaactnaga	240
cggttgatc aaggacaatg gtcattgccg ttatttggat gtgggggacc gttggttaagc	300
catggaagca taagctgtca tcgagccgga cagtcaaatt aagataccaa caaaagcctg	360

tttcgccaat	cgtggcatga	cgatcctaag	gaacgatttc	ttcatatgtg	aaaaaccgaa	420
catgcgaccg	accagctcga	gccaatctcg	ntattaccga	ccagctgaat	ttgatgggtgc	480
gaatgcttgc	atgcttactt	cgcacangct	gnaatcgnca	ttggttttct	cgagctcgaa	540
atggcgcaag	agaaaaattg					560

<210> 2719
 <211> 393
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 2719						
gccgttctcg	aaggtctggc	caagtacgcc	catcttatca	accaggattt	ctttgggtgat	60
cttcttgagg	cgctgaagga	tctcatccgc	cacagtgaag	aggatgccga	gaagggcccc	120
gatgatgaag	aggaagaagt	agaggaggaa	gatgaagatg	atgtccctgt	gcgcaacctg	180
acccgtgagg	ctctgctctg	caccgcacaa	ccttcgcttt	gcttgaaggg	caaaacgctc	240
acaactcacg	caacgatctt	cacctngatt	tatcgttctt	cactacacac	ctttttaaga	300
nactcctcac	actttctaca	aaccctgatg	tcgagttgac	acgtnccgta	actnaaccag	360
cgcagttcta	anataatgtc	aaacaacaac	ggt			393

<210> 2720
 <211> 518
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(518)
 <223> n = A,T,C or G

<400> 2720						
tttttgtcca	atagactggt	ttctaagcga	atgtgctggc	ttccaaagtt	gaaaatggac	60
atcagacgga	ccttggaagc	cacaaacttc	tattccaatt	tagccgctgc	gctttcagcc	120
ttttctcaag	acaaactcga	caatccgacg	ttgaatttac	aaatcggtat	ccaagagggg	180
aatagtgtcg	atgggtgacag	atcggatact	ttcgaagcca	atgaacaacc	tattatgcaa	240
tcaggacacc	ttctcctctc	acataaaatc	cctctccgca	ttgacactgc	acgtgcagca	300
tcgaacctgc	tggtcctagc	tttgctcgag	agaagcatct	tcggagcacc	gtatccaacc	360
aatcggaggc	agattgaagt	tcaaagacgt	accagaggtt	atcagacaca	taagagacaa	420
ggcgggttag	gttgctgcgt	gaaccgggaa	tgtccgtgga	agnggcgtna	aacnaagccc	480
agacagatca	gtcggcaaaa	acttcaaaaag	agcaggtga			518

<210> 2721
 <211> 596
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 2721						
caaggaagtc	ggccctacag	tagaagtcgg	atctaaagcg	ccatggtctc	aatatctccg	60
tttaccagat	ggaaaaccta	cattagtagt	attcctccgc	cactgtggat	gcccttttgc	120
tgagaaaacc	ttcaggtctc	ttaccgacct	ctcagacaag	gtcccaaattg	tccactgtat	180
tgctgtctcc	cactcatcag	aagaagccac	agacaaatgg	ctgcctcaag	tcggtggtac	240

ttggaacggt	gacatggtaa	tcgatgagga	gcgagatctg	tatgccaaat	ggggtttggg	300
tatctcatcg	acatggcatg	ctgtgaaccc	cttcacaatg	tggaatgtat	tcagtctcgg	360
taagaatgag	ggcatatgga	acagaccgac	agaaancggc	tcgcgatggc	agacangcgg	420
ggcttttgct	ggtgaccgtg	atngaactgt	ccgtttgggtg	caggtggcaa	gaacagcaga	480
cnatatgcct	gatctcaagg	cggccatgaa	cgcacttgga	ttccccctcc	agaaganaaa	540
cccgttctag	acacaaattc	taanatactc	tcgtcatggt	tactggggaa	gcccgg	596

<210> 2722
 <211> 253
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(253)
 <223> n = A,T,C or G

<400> 2722						
ngttaagggt	acgcagtcac	tgtggngnga	caagctttcg	ctttttaccg	tnggcaacgt	60
tcgggctggg	nccggacagt	ggaataaagt	caagctttgg	gatctggcng	naagtgggaag	120
gttntgtgga	agcgggtgtn	ggaagtggga	ancggnggta	aggncggtaa	tggnagcggg	180
agcgggaagc	gttnaagcac	ntccacagtt	gacggancaa	tgcangcgan	aattggggga	240
ttccgggtaa	cgt					253

<210> 2723
 <211> 480
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(480)
 <223> n = A,T,C or G

<400> 2723						
ctttttcagc	ttgacattct	gcttcctgct	catcactgct	ggttttctggg	ccctcgtctga	60
ggacttttact	ggcaatgctc	tgcttgacac	aaagctttctc	aaggctggcg	gtgcatttgg	120
attcgctcaca	tgcagtcg	gctggtagac	cctcgtcgtc	gttctcttcg	ccatcgtcga	180
cttccctatc	caaatttcctg	tcggcgactt	gtccactgtc	attaagggac	acagtggagaa	240
ggcccgccgc	gcataatttg	atgcgcactc	gagatgtatg	atggaaataa	tgtggaaaat	300
gggataaaag	gatgatacag	acacttgaga	acctccttcc	cggcgttggg	catggcggtg	360
agttactcaa	caattgatta	tgggtggtct	ccagtctgat	gttctaccca	cggagttgaa	420
ctttattagc	tattaagttt	actagtctga	tgaatctttc	anatccatgg	actgaaaaac	480

<210> 2724
 <211> 364
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(364)
 <223> n = A,T,C or G

<400> 2724						
aacngnttca	ctcgggnata	agcactcgnt	aaacggggat	ctatctaata	caatatgcgt	60
ggacttggtt	ttttcagcgc	ggncgttgcc	gtcgccaacg	ctgntgctgt	cgagaagaag	120
cactaccccg	ttcctggaca	agaggagcat	gtnccttccg	tgccngacaa	caactacact	180
tctccagcaa	cgagtatact	nctnccgatn	acgagtatac	ttcccccgac	aacgantaca	240
cttcttctga	caacngnat	tcttcttcca	gcaacagata	cccttcttct	ngacctacca	300

aagnnggttc ttctctcaag agaacaaacc tgggggttaac cctctnntgg acccaccgag 360
gagg 364

<210> 2725
<211> 362
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 2725
tgggtctctc cccttctggt cgtcacctt tcttttcgtc ttacttctcg tatccgagat 60
caacctctac taataaaca catcgttttt gtttttactt gaacagtcct cagggacttg 120
tccccaaaca aaagctatcc gctgggtggtt ggaagtagac ttgaattcgg ctatagctca 180
acgaacgagt ctcacaaaag cgaacaacct gngacgaagg aacagcctnt gacttacaca 240
tngaccacaa cgtacgagcc gacccangat cctttaaatc aaccaatata ctaaactcgtt 300
atcaactggg cctgaattta ctggttccaa tggaccggat tggggaatna aaggtcaaaa 360
cc 362

<210> 2726
<211> 473
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 2726
tttcgtctgt cgtagcaacc actcccaaga aaatactcac aaattcatca aacccaataa 60
attcaacgca ggcgatcaaa gcctgaagct tttaaaaatg ttgtcatggt tgggtgctg 120
taaagaccgt gaagaggcag agcgtgagcc tctgtctgctg cggttacaatg acgacactaa 180
cttgacagcg cgactgcatg agaagttaca tacatatcag atgctgcgtg ccatatcaaa 240
gggttatatg ccaagcaatg agcagctcat catccatctg cgaactcttc tctccgcccc 300
aatcttgaac ccagagcgac aggaattgag cccttcagga cgagctctca tcagaagcat 360
caagctgngg atcaccaggt tcatccaagt actacagcac aaaaacagca ggaccagatc 420
caggattttt tctggtcttc ccangcacgt ttaaattgtc atgtcccat atc 473

<210> 2727
<211> 117
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 2727
nggtggnata aagggccaaa angagcncta ttnggacttg attncnaggg catgcgacgc 60
cnattacgan tattcattgt gaangcccga gttgctgach aantggcctt actctaa 117

<210> 2728
<211> 610
<212> DNA
<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(658)
 <223> n = A,T,C or G

<400> 2731
 ctcaataata atcttagttt tcaactcagtc ccaagcttta tcaacatgag ctctctctatc 60
 cagacacttt gccgtggcgt tcgcgctgct cccagactc tccgtctcgg tctcaccag 120
 acccgacgat tgagcaccac agatcctagc cgaagcgttg caaacggcag agatactgct 180
 gttcacgacc ccatcatgga cagattctgg ggatcaactc gtgtcaacat ttccgagtct 240
 tctcccattg ttaccgagac cccagcatg actatgtcta gccgagacc tcctctgggc 300
 acaaacgcct ttgagccttc atctgcacct cgctgggtctg gaatcaacct cccctcaggc 360
 cgcaataaat cttgcgtggc tgctattcac caccaccatt aaatgcttcg ccgcaaacc 420
 gacggntaag caacacgaca aattgggttg ggatttatcc caccaataac gacatgaaat 480
 gaataaccac gcccacacat tacatatcac accacaaagt tactgggtcc cttcattgctg 540
 cagcgcatc gagaaacttt tttttatcaa agtggtacca aagtactggc agaagatgga 600
 agttggagta atcgcaaaa nggnggagga aagtcacct taagcgtgga ggnttgan 658

<210> 2732
 <211> 143
 <212> DNA
 <213> Fusarium venenatum

<400> 2732
 gacttcggcc cggccagggt ccagggtggg ccgcagggtg ggcttctaga taagaggctt 60
 ggggaaggcg tggttttcat tctgttagga gttttggatg agtctgcgcc ggatgggaat 120
 ctgtccgtcc ggctcgggtg ctg 143

<210> 2733
 <211> 543
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(543)
 <223> n = A,T,C or G

<400> 2733
 ggatcctcct tcgtctatcg tcaatcctct ctgtctctct tttttctttt ctgttataat 60
 agttacttct tcttattacc gtatgcgact gttgcttgga tctgaagctt gactttgtat 120
 agtcaagaat catgggtggt ccgaatagag gccctgagct tcaggcagtg tggtacacac 180
 tgcttgctct ttctgttata gcagttggac taagaatcta tgttcgtacg cggatgggtca 240
 agaacttttg tatggatgat tggacaatgt gtgctgctct tgtcacattc ctattgtttt 300
 gcacaagttc ccttagtggt gtcacgcacg gaaccggctc tcaccgaagt gacctcgatc 360
 cagcagatta tatcaaagcg agaaattggt ggtggtgggt ctatctgttg tactgcctaa 420
 ccatgattac ttcaaagata tcacggcat cacccttctt cgaatcacca accgaaagat 480
 ggacatctgg atcctttacn gnacaatggc cataacactc tgaccggaat cgctttttct 540
 ttg 543

<210> 2734
 <211> 570
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

```

<400> 2734
ggggatatga ggtcgaatat aaggcccggtg atagtaattg ccgcttactt ctctttgtgc      60
ttctcactca tcaatatact gtctctcaca tatcgcttac agtacgacct gcttgactta      120
nacattcaca acgcctacaa tggatacget cccacacagaa attgtcatcc agatcctgga      180
caaccttcca accccagcca tcaagcaagc ccgctttaca tcccgaacat tcaactcgat      240
tctcgcaaaa cgcacatttg aggttctcgt ctcgtttcta gaccgaaaag tggcgcaaga      300
cacaatcgtc gctgtcgcac aagatcctgt gcgacggcat cgacgacct cgatttggtc      360
gccaagatgc agcgtacctc ggaatttacc cgtcgacgac tcatcctca tggccctctg      420
gatcggtttg cgcgganatt catgggtcgc aggtgttgaa ggagacaagt tggacgttgg      480
caagtggaa gaaatggggtgg gaaangacnt gagtgaagat gantngaga agatctggtt      540
tcgatatgcn ctttatctga attatatgaa

```

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<210> 2735
<211> 590
<212> DNA
<213> Fusarium venenatum

```

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<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

```

```

<400> 2735
ccgtctctta ctccacaaca gcactcttgg cgttggttga acaacaagaa ttccccctcc      60
cagtgtctga gcctagctct tgatactttc tgccctacaa gtcgtaaacg tcatatctcg      120
cgtggcatga cgctagattg tccctggctg atatgccatc ttccgccacc aattgcagtc      180
catgctgaga agcttgaagc gggagacatg gagttctcca acgatcgggg taaatgctat      240
gacgcaaaact gaggtagcca ggaaggtgag aatcccaaga gtttggtgtt ggctttgtgt      300
gtcagggtcct ctgcccagtt tgtgacttgt tgatgatgaa gccatcgaga tgcaagccgc      360
caggatgact attctcaact atataagaat cagggcatcc ctccctcgga ttatcttttc      420
ctcattatca taaacaacaa caactcttag gataccacaa agcatctgaa cttcagctca      480
atcacaactc atctacaaga tactcaaaca cttttaacaa ctacaccaca aacaacaatc      540
atcatgtctg gtctcatcaa caaggttaag gaactattca ctccgatnag

```

```

<210> 2736
<211> 592
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

```

```

<400> 2736
cacatcacct atccaagagc aatatatgta ctccagaaac agtcttgctg tcaaacagtc      60
caaccagccc tcgacgttga agccttctcc ttcaatggat attgcctctc gtcgaaacaa      120
gcgccccctt caactcgcaa tcaacgcccc tcgcagtttt tcggcaagcg gaccagaac      180
tgggatcgat gttgggagaa gagctgaggt gggacattcg atgcgccgtg ttgcctccgc      240
aactggaggt ggacgcacgc gtaagcctat gactggctct cgaagccctt actttgaaag      300
aaaccagac gttttattgc agctgaatcg ttccccaac ttccaaaagt cgactaccat      360
tgcaccacct actcctaaca ctctgctgtg tggaaatcac cagggcctat gtnaagctac      420
cccgccagc acgtgggata cgaaaaaaaa taccgatgga tcttgcaatc catgaccaac      480
actccgaacc cacctaccac tcctggantc atggaacact tgtncacaat gatctaatat      540
caattgcntc cccnataacc ttggtganac aagaacngca cttttctctg ac

```

```

<210> 2737
<211> 292
<212> DNA
<213> Fusarium venenatum

```

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

<400> 2737
 nacaagaacc aagaaaagcc ttnttcgagg gttgttcnac aattngggggg caaagcgaac 60
 taaaacntgg caaccgggtc gcaaggggga aaggaaaaac cgntctttgg tcgaatcttt 120
 ccaagccctt tttcccttga acccggtttt tgggggaata nggttgaanc accaatnggg 180
 tggaaacccn aaacttggn ccttggcccc attcccaaaa aaaagncaaa ccgttntgcc 240
 ttgcttggcc ggggggggtg ncctttggga nttaaaancc caaactttat tc 292

<210> 2738
 <211> 112
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(112)
 <223> n = A,T,C or G

<400> 2738
 cgcgccgna agaatttttt tttttttttt tttttnggag ttatcaaaat gatanatttt 60
 attctttata aatatatgna aaaaagtaat atctaaaaac agttgtttta ac 112

<210> 2739
 <211> 482
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 2739
 ggaccaagca tgactggcag cgacatgaaa agtcattgca cttgnccctc gagcggnggg 60
 tgtgtactcc ccacagccca aaggccgtca accccgatac tggatatctg tcttgcgctc 120
 tctgngnga cgctaaccga gacgatgccc atatcgaaaag ccacaacatc tcagcctgcc 180
 aagagcgcac acctgccgaa cgaacttttt accggaaaaga tcaccttaac caacacttgc 240
 gttnggttca taacattaag tttcaggact ggtctatgaa gtcgtggaag gtgggtacgc 300
 cananattcg gtcgcggtgc ggtttctgtg gtatcgtgat ggatacatgg actattcgtg 360
 tcnaccattt ggcgagcat ttcaagacgg gttattccat ggctgactgg aagggtgact 420
 ggggttttga taatccagta ctcgaaatgg gcganaactn tatgccttca tgtatgaaac 480
 ct 482

<210> 2740
 <211> 227
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(227)
 <223> n = A,T,C or G

<400> 2740
 naagacgagc gcggttggtg gaaaaatgac nccccacgac gtnaaaaana aanacctggg 60

ctacgatgtc ncatncccc caantaaaga tgtcggcctc ggcnaatatc agcacattcg	120
aggcctcnag acgagcgctg anacgtcttc cacagaggcc tcaaggcca cacattacta	180
tgattgcatt ggnngtgcta tcggaactgg tcttattatc ngactgg	227

<210> 2741
 <211> 308
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 2741	
cgccgaacga gacgagctga acaagaagct cgagaccgct gagcgtgagg ctgtgattct	60
cancgactg aggaccgaga acaacaatct natgaagaag cttgacgatg ccaagaaagg	120
ctcagaatgc tgctgcatcc aagggtgaact ctctcgatac tcaganngcc gcactgggtg	180
ctcanatcaa caacgggtggc ggtgctccca gagcagctc cangggaagg aatctatcaa	240
ggatcccaag cgggcacaaa agcnngtcgc gtaagggatc ctcnngaaaa aggactgaac	300
tctctcgt	308

<210> 2742
 <211> 593
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 2742	
ctcatccgat acccccgttc attgccttgt gggggttgtg ttttgtcttg tttcatcttc	60
ctcgtttcaaa acactcgcca ttcattccgac tcatcccgtc atcgcaaggg cccccagtt	120
gagtttttgg ccaccttaac attcgccata ttctgcgcac cttgaaacct tcgcttctcg	180
acttttaaaa acaaacattc acgccttcga aacaattgga aacacttcta ccatcatgtc	240
tttctccagc cttgtttcaag acttgagcct ccgcgacgcc aatgggtgctc gccgccctca	300
gattttccggt cccgctcgtc cgcttctact cttgacgana ganccttcgca cgtctcgaag	360
gccatgtcct atgccagtac cgctgccaca gcgtcagtat ctccggcgan atttcgancc	420
agctccatgg tggatacttc cacctctggc ccgctcatgg caagctgacg tcagcttacc	480
aagtctatgc ttatctaccc ctcttctca cgacggggaa ggtgatagat ctcgtccttc	540
tctccctggt cagcacagtc actgcaaaac tgatccctcc tcnaacnctc tca	593

<210> 2743
 <211> 972
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(972)
 <223> n = A,T,C or G

<400> 2743	
ngccagccag ggcgccagat agcaagtgcn gttagtgta tctgaacaga cgaacggtgg	60
aagccgcatg aactttggng ctagcaactt cgncattgcc gaagacgata gcctttcgga	120
tgattggaac aaacggtacg gatattagt ngaggacgag gaactatggg gacaatgggg	180
tggtcaaaaag ttcattggacg ccatatcgaa agcacgagat tcggctggac gattaatcga	240
gtctactctc ggtcttgaga aggaggtaac cgaacaacaa cgacacgact tctacttccc	300

caagaacccg	ccagtcaacg	aataccaccc	tcctgtcgtc	agtagcaagg	ccccttcacg	360
aaacgcccac	caatggatgc	tgcaaccccc	gccgtcagcc	aagggtcatgg	aaggcaaggt	420
gcctgttagc	cgagctgcaa	gttcgggaag	caagtcgagt	gctaggacac	tagttggaga	480
tgacactcag	ctcagccgtc	ttgttcacga	gaagcttggt	atggagaagt	tgagaaagga	540
gtacggtaac	cctacagaaa	ccgaactcat	cgaatctctt	ttctcgaacc	gaacgaacca	600
atctctctct	atccatcgca	ctcgaagcct	gtcttttcgac	acttccgacg	actcacttga	660
cagtggcttt	gcgaagcgaa	agtcaagact	tcgaccagtt	gccgnaccac	caggatacga	720
ntcttcanat	gatgattccg	attntgacgt	gcccgtctct	ttttacaaag	ggccatgcnc	780
tcggggccctt	gccgaaagga	ttttggcggt	caacggctct	aagttggaga	ctatccagag	840
cacgaagtcn	gccacaagga	tgtcctcgaa	gcgatccaag	cgacaaagat	ccactcgatc	900
aagaggcttt	caggcgccgc	ctccctgttg	gcgacaacct	gattaactca	aaactgggtg	960
aaacaaaatc	tc					972

<210> 2744

<211> 358

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(358)

<223> n = A,T,C or G

<400> 2744

cgaggaccac	agaacgtgct	ttcttttttt	tcttcttgga	ggaaaagtcn	gntgatgatg	60
ggtggcgctc	tatagggaac	cnggggtat	ttgtacagtc	gtcaaatcgg	gtgtcgctcg	120
ttctttgaaa	aacatgcatt	ctttgcagat	ttnacaccaa	tactctngca	aaccgtggcg	180
cactgnacat	ctatcatngt	gctgtgaatt	tccatttctt	ctcatatacg	attcagggaa	240
catgaccatg	atgatcaact	cgagtaacga	ggagtagaaa	cgagggcatga	attcggggcca	300
ctacgaagat	tgggtcgttg	nagagattct	atctgtttat	tccatcctta	tatctata	358

<210> 2745

<211> 237

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(237)

<223> n = A,T,C or G

<400> 2745

ctttctcaac	gatgctgcat	ctactgctgc	tgttgagaga	tcaagtgttg	ctgagcgcg	60
tgcacactc	gttaccttct	cttctgacct	acaacatatg	gcacgctggg	aactatcagc	120
aggaatcaag	gttctacagt	cggagcaacc	aggtgtccca	ggaaaagtcg	aagcgaactt	180
gcaaagcttg	acccngnact	ttggggcctg	catgtccatc	cntctnatct	acggcaa	237

<210> 2746

<211> 150

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(150)

<223> n = A,T,C or G

<400> 2746

ncgccggagg	ccaaggncga	ggccccgaga	aggcaagaag	tccccnttga	ggcggatgat	60
ccccgtcatg	nacacaacct	ngngttatcg	gntattgtat	nagnaaagca	actacntgt	120

tccaagaagc cttttggggtt ggncccccca

150

<210> 2747
<211> 315
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 2747
gaataaacac cattcgccat gtcttttctca tttggattcg caggcgacga catttctgac 60
gatgagcaga actcttcaac tgtcaagcca acagtcccag ctccctgcagc caccagcagt 120
gcatttctctg tcgcaggaaa acctcagctt ccaccaactc tccatcaact gtctgatctt 180
ctcgcccagc aaccgtccaa gatcgcttac ggtcttctag atgttgagct tgacgatgga 240
actaacgttc agttaccacg gagaganttg tgggatgtga nggtgcnctg atggctgaag 300
aagaagattc ctgga 315

<210> 2748
<211> 581
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 2748
gtgtgtcgag actatcccca gacgttctcg tgtctcgta tcataatttg gccgctcata 60
ctcggaatca tattcatcca gctcaattcc tttatcctcg aatgtactat acaactcctt 120
ttctttgatg agtggcaatt gtcaactatc atccatctcc atcttgctcg gcacaaatgg 180
gttttctcca tctccataca gaaaatcgtc gatgtctgag tcaagcttca gtgtcttacc 240
gtacgcccag ccgtcatcgg caagctgaat ggtgacctt ggccgcaatg accggctccg 300
ccattcagtt cccctcagct cattgaagaa gttgtgtgga ttcaacgaac agtacatcgt 360
agggaagcta agggggccac gaacgtgata acaatatctg gtattcaggg ttgatttttg 420
tatggcgaag tcttgaangc ttctggccac gcattcttga aatcagaagg atttacttaa 480
atcttgacnc ccaatcttgt taacatttgt tgcgtctggg ctcccaaaaa aaccaacttc 540
ggttgaatag tgaaggantc ttccaattgg anatgcnaaa g 581

<210> 2749
<211> 587
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 2749
ccaaagctgc atactccata catactgata cagaacaaac aatctgtttg cgcatacaatt 60
gtatcaatcg catctattct tattacacct catcgcatcg cgcatacgcat cgcatacat 120
ctcatcaaaa ctttctgtctt gaaaaagagc gcaattacac tataacttat aaagcaaaaa 180
gtcgactccg actggaatca aagaaactat ttccgtagcc cggcgctctg tgcttgcgct 240
gtgtgagttt cggaccaata ggttccaatc gacaactgaa cgaccgacga caattcaatt 300
ccggactccc cttgcgataa aatgcagtc aatctatcag gaggacttca tgctcgacaa 360
aagcagcatc ggcgtcaaaa ctcgacaccg actgcttttg aaggtgctaa gatccccaat 420

ctgccaaaccg cacaacgaca aancgcacac cgacgcggcc tcagtctcga tattcgaaga	480
caacacattg cggnatctcc agcaactaca acaacaccaa caaggcagaa ccaaattggta	540
ggtacaaatn ctaacaacac aggactatcc cattatccgc agcataa	587

<210> 2750
 <211> 531
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 2750	
caaacacggt accaagaagt ttgcttattt tgaatatata atagataaga aatataaaga	60
attagnggca ttttatttag cttaaaggctt aaaagctaac tttcagtatt tcagtgcata	120
tgaacataat cggttcagata aagctggact taagtttaag gacttattgg ataaagccag	180
gtctgaaaca gaatctgcta ttaaagaaga taaaaaatta aatcattcat tacgaaatat	240
aactggngag aaattaagtg atttaataga tctagctgaa aagcaatgag atagaattta	300
tagtaataat gaatatccgg ataatgataa ctattatttt aaaactcgcg ngattatcct	360
ataaccgtgt nttattaact agaaatcgta gtcatatgac ttatttcata tgtataaaga	420
gggagttgng gaagggtataa aaatagacag caaatgctgg gnggataaat gctncctaaa	480
ttatttaaaa ttntntaatc tagagaagag ttataaaaaa atactgtctt t	531

<210> 2751
 <211> 344
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(344)
 <223> n = A,T,C or G

<400> 2751	
aacacacaaa gacaaactac caaaatgact ggcaccgacc aacagaagga cggcggagaa	60
gcaattctcc atccacccca tcaaggatga agctaaggac aaggtctctg cctttaacgc	120
tcaccccgga cccgccatgc ccaaggatat gcctcaagaa gagggtagca aggaggagcg	180
caaggctaag atggaggctc tcaacaagaa ataagcaggt gacttctgca acagaagcta	240
tttcgccgac atgattgtat gactagatat gggagcggat tgctttacga cttattacaa	300
cacagctaga cagctattta taattcgcat aaannaaaaa aaaa	344

<210> 2752
 <211> 380
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 2752	
nccagaatga ccgaaccgga ttaaaccgga gggtcggatc gaacctgtgt aaaggaatgg	60
tggtatttgt gaaagaagaa agacaaaagg gatatttgaa tgctcgatga cattctgaga	120
ttggttggtg ttacaccagg agtacagcgg cagcgacaaa ggctgtcaag gcaaccatac	180
cgacttgtct gtcgttggtg ctgccagag actcatctga tgagacctcc tnacggtcgg	240
tagcgtcaga gacaccgttc atcttgtctg tcgcagcaag gacctggccc ttctcgaaga	300
aatcgacaag gacaaattgg gggcagcncc cactnctgtc ggcaactcctg gaggtgcttg	360

ccaactcgcc gttgtggtag

380

<210> 2753
<211> 189
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 2753	
ngcgactctc tccccccgaa gtcttngtcg aaccccaaag tttgacgcac cttctantcc	60
agctccccgag cctnntaaat ttcaccgcgc agccgctnnc ttggttttga acccaggana	120
accgtcccncc ccgntgacta tttaccggaa agccctccca ctgtnttagg acttgccccg	180
ttcgctcag	189

<210> 2754
<211> 438
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 2754	
ctcccattta tgaggtaatg aaagccagcg atgaggagag tggtatttgg gccattccaa	60
agctgctgaa acgcatctaa atgggctgat gaagttcttg gatattttatt gccctctaga	120
cttggccaaac ccaacagaac caagcaacac tacagagctt tccattcgat acatcatgct	180
tacatattct tttatatcta tctgcaaaaag ccgtgtcccg gtcnaattan tagacgtcgg	240
tgatggcgcn accccanaan tcatggcagc aatgcacgac cgatataagt tgcaggccgg	300
ngggatggac ctaaaattga naagtatgga gatgcttctt acttntttgc tccgntgcct	360
ccatgagagg tttcccgca tatcgatnct tcatcaatga ttgaatgtct cctgtctttg	420
acagaggtnt ttaattga	438

<210> 2755
<211> 828
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 2755	
ttttccttgc ctttccctct cctctctctc ttttctcttc tggtctcctc agttttcata	60
tccatctctt ttcttctttc ttacgggtgca gctcgactat cgttcatcta ctctcttctc	120
attcatttgt gacctgttta tcttgactgt tcttcatttt tgatactcac cgctttccaa	180
gatggcctgc atattcttcc ccacgcgcg tggggttatcc gttccattat cgcgttaatc	240
ttgtctttga accaccttcg cctgccacct acctgcatga attatcaaga agacttggac	300
cgggcaactcg gcccgtatc ctttacatat tcacctcaa attgcactct atcaacacca	360
attgttcgag cctatcttac acttgaccgc ccggccttca ttcaaacgaa ctcgctcgg	420
gtttcagcat ggatcttaaa tactcgtacc cccttaatgt gacggctatc aacaaaaaaa	480
ctatttcaac acaaaaccac aagtaagtag ccactgtagc taacacacgc agacttcctt	540
gtccaatttt cctgtaaagt agccctagat caaccctaca tcatcgggcg tcaagatcgc	600
gccagcagtc cctacgcgta ggatttcgcc atgcttggct gcctgncaag atgtatat	660

gaagaagcac	cgccgccggc	tagactgggc	actttcgaac	gagcttcata	tagcagcatg	720
accgacatgt	gcttaanaaa	aggnggccgg	agggatgant	gattggactt	gactgggaga	780
taatgngaca	tgggangntt	aatattgtat	attaaaagaa	agtcctnt		828

<210> 2756
 <211> 782
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(782)
 <223> n = A,T,C or G

<400> 2756						
caagaaggaa	ttgtggatgt	cgttccgaac	gattatgccc	gaattttcaa	acttgccaat	60
acctataatt	tcgcggctgc	atgtcaagat	taccacgcat	ctgcacgtgg	tatcttccag	120
tgaggttggt	aggagcccg	aagtcgttgt	tcgatccact	accgacaaac	actgtcagcg	180
ttagagagca	cgctctagtc	caccacagat	cttggaaggt	cacaatggcg	gcaagacaat	240
ttatgtccan	gcgccaaatt	caaaggagt	ggaaccggca	tgattgagtc	agacacatgg	300
gtgggggttt	aactctnatg	aacttctgct	gggcaacccc	cggagctact	tttcctagca	360
tctnctatat	tatgccatct	ttgcatgtaa	gaatgcatgg	ttatcgatag	cctgtcactt	420
aactatttta	ccgagtgggc	acgaggggac	aaatgtaagt	ggcagaacac	tcaggtccaa	480
ttttccggag	atgcacaatc	cttattttgat	atcgaaacac	gcattntaca	catacgggtcg	540
tacatacgac	aaaggcagca	agactaccgc	ctttacgnt	tnnttgcaac	ttttataaac	600
caagtnggt	ggttactttt	atntgagcta	cggagcgacg	ggtcggtnaa	anttgtggng	660
acaagaatta	agcgcaagg	ctacaattga	tccaaccaac	ggacgattcg	tccaatantt	720
ttcggtnaa	aaaggcctcc	aacgaatttt	ctggattttg	gaaccagnac	ggaaaaatnt	780
cg						782

<210> 2757
 <211> 560
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(560)
 <223> n = A,T,C or G

<400> 2757						
atgctcaggc	tgggcacaa	ttaaaatatt	ccttcgcttt	cgttgattga	agctaccctg	60
tattttttaca	acacggcgat	catgacatcg	caaccgctcg	ttctcgccacc	agcaactcct	120
tcagagcttt	tatcacacat	tgcatcctac	cacagatc	ccacaacact	aataatcggc	180
tcctccnaaa	gctgagttcc	acacatctct	cgttgaggat	gtcactcgtc	atctcactct	240
ccaagaaagt	tgacacagag	ggactcagcn	acagaaccct	ctcatgtnt	cttaaagcca	300
tcgctttacc	aaatcgccat	ttctcgccat	ataaggattc	tatttgcacc	aacagtcaca	360
catctgcgtg	cttatctttc	cgncttcaca	cccaaaaact	ccttgatata	agcaccgnca	420
aactataccc	ctgactctna	tacgcctctt	cttctggnt	atggctcctc	gctcttcata	480
gagatgcaag	cgaatggnt	gcgcaaggga	tcgggaactc	tgcggtttgc	taggtgatgg	540
ccgcgtcacn	ggatggggtc					560

<210> 2758
 <211> 511
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(511)

<223> n = A,T,C or G

<400> 2758
cggctgtgtt gacttttgacg attccatccg acgaggacca tcacaacgac gatcaacgac 60
aaaaccgtcg cagcgccgc aaactccgaa aaacagaggt cgaattggtc aagcaccgtc 120
tttcaatctg gagccgttga ctttaagtgc aattaaaata atatccttat ctcgatctcg 180
accaaggacg cgcttaatta atcacatcat tcatcatcac catatcgtcg aataatagca 240
atcatggtcg acttcaagag cgaaaccatt cacaagggtt cggaaaagggt ggcagataag 300
gtgcatgata ccaccgaaag ggttggcggc ctgcttgatc aggccgaagc tggcaagatc 360
ccggcaccaa gggtcaccat cctgtctctg ctgtcatcgg cacagcgttg actggtggta 420
tgggcaatgc tggcaccaag ggctacctgg cggcctacat cnagganctc gaaaanaacc 480
ccttactaag tgaccaatct cactgtcatc c 511

<210> 2759

<211> 496

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 2759
gaaaatattt tcttctttac tctattttac tttntocta agaaattcat gctggaatat 60
attctcggat tcatcatcgc ctacatcacc atgggtcaaa gtatcccca gaatgtgatc 120
gagggactac aaagtatgct cccatcaacc gacagatcag acgacaaggg aaaagaacca 180
gaagttctag aagatgagat tactcccgtc gacatagtca ttgcacgaat catgctctca 240
aagggaaaga agctacctcc agatgttgct gatattatcc tcgatttcgc agagtactgg 300
gctcattcaa gcaatgaagt tgactttaaa cttcaacatc agaatcctct gactgtcaac 360
ggtgggaagt cctactcaga acaaatattgt tcttcgggtc taccctgtgg gtctaactgg 420
tcttcaaggc agacaagcgc tcgctgagat cctggcgtat gacatgactg aagcgaacct 480
caaaagtggg gagaaa 496

<210> 2760

<211> 588

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = A,T,C or G

<400> 2760
atcctcttcc gcctctcggg aaacatcact accgtcaggc attggattgc ggtcccaaga 60
cctcgtggaa tctgtgtgca tctcccgttg agacatacat tcaactcactc gctcttggct 120
tgtagcaatc ggtcatcgcc ggtcttttac aatcgggaca ggggtacgcg cgactggaca 180
agaaangaca gggcaggatc tcgacgactc ggactaatca tttgaccatt tccttttcac 240
tccgtcttgg tcttgggtta tttcccgtgc caaatgcttg cccgcagaan catctttgaa 300
aactctcaac cacacgcatt tggcaccatc gccgtgaac gtatttgccc atctgcggct 360
ctttgcgtct caacatacat ggccgacgac agctaccgaa aagantatcc ccagcacagc 420
cgccccgacg acagtcattc tcgaactcag tcacactatc ctccaccacc ggatactgcc 480
cagcgtcttc cgacgctcct ccangcacca tggctacctc agtcactttg cctctatcca 540
tgactctcgc ngttacnggc cgccgcctgc actccnggtc ttgttatc 588

<210> 2761

<211> 623

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 2761
 cttagggttcg tatcatccat acctattaat ttgtttgagg cattgccact gtgacaggca 60
 catttatctt ggccgccaat ctgatatac ggatgccgac ctgccaaaca cgtttatgaa 120
 agactacttg cacgcggaca gtgatattaa gagatcaagg aagcgaccga aaatgactag 180
 taatgcgcct cccaagctgt ccagttcaaa tatccaagtt aacgacaaca catcacaatg 240
 cttcaataga gtatcgagca taccgacgcc gttgagcctg cgagtctccg attcccacac 300
 gaatagagat aataaaccac gcccnttagc cccaaaaccg cagatgcctg caaagaagan 360
 caaccggata tccgttggtt cgacgggtgca tggccttgcc aaagtccaca ccaggtatgg 420
 tcgctagatg gagcgttggt acagaaggaa gagtcatntc aaccccgga tcctcactca 480
 aatatatgtc agnaccacg attgggagtg aatatccttc gaatcctgac cccttttttt 540
 tgaaatattc gacaatattc ggggtgnccc aatcagatag canaacatgc tttctttttt 600
 aacccaata aaanggccgc caa 623

<210> 2762
 <211> 618
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 2762
 ctcagtctcg acattgggtt tcctcaaggg gtggtgttgc attgacctgt cgtcatcccg 60
 ccgcctcttc cttctggctc tcctcacatc aatacagtag ttaccaccta aaccttcgtc 120
 atcctgcacc tcacttcacc tcaccctcat ttcgcatcat cctacatcaa tcctcacc 180
 tgacttcaca cctcgcatcc tatcatacat ggtcgatctg ccgtgatgcc gctatagtga 240
 tttctagact atcgagctc gccagcagtg gtacagacac cctgctcat cattcgattc 300
 tcgcgcgctc gaaccatcat agtatcaact gcaagacagt ttaccactcc aaacctaatc 360
 tttctcactt gatcgccgc acctctgcac tgtctttaat cactaactca gcgcatcaaa 420
 ccttaccatg tcgccccaaa cgccgggttac catcacttac agcaagcctg gaatcgtagc 480
 tccgttttnc tcgcangctc tttctcggat ccacaatggc actncaagag atggaatgta 540
 tttctgacca aaatggagag catacgttcc aatctgaagn tatgcttgag cctgaacagg 600
 ataccaattc aagctttn 618

<210> 2763
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 2763
 ggccgcagga attttttttt tttttttttt aatcgtaaag taccatccgt atgcgtntat 60
 cagccttggt ccacctctc cgcaggcgtg tcaacgacgc caagtagaca caagccgcc 120
 aatgaataaa atatcttcaa cttnatctnt gcgcaataaa tgtgaatana aaagcgcggg 180
 cacctgattc taccactgca cttccgtacc agttganaat cagccatacc tccaaaacat 240
 aacaaatcgt ctcaaagca gataaaccac gccgaacctc caggaccgtc cttgaccga 300
 caacctgatg ctcataaata gaaatcggta actcccaaa ccacntnttg tcaaagagcg 360
 tgtatgcgta aactccaaaa ccaaaaccaa gaaacaaagc gatccancga ctgaacggat 420

atgccgaaac cctatcggaa ggnacagtgc cgaccgaagg ggctgncatt gtcaaaatag	480
agaggtaatt accggatcaa ggaatcgcat ggngacgttc catgatccca aaaatccacc	540
gggtnttcca aaaccagngt taaagtttgn nttggtgcaa anancaacga cccccgggt	600
gttccnatat antacagggg ggttttttn	629

<210> 2764
 <211> 269
 <212> DNA
 <213> Fusarium venenatum

<400> 2764	
ttttggttca tcatgacatc gtcttggtat ctgtaccaca acagtccggt accgccagat	60
gatacatgga tgggtgccgtt cagcggttggt gacacaattg gtatggacac agcccagaaa	120
gtgctgcttg ccagtggctt ggtcttgagg tttgcagttg gcattgaggt gtaacctct	180
tgccgggggt aaagcgagcc taaatttgca ttcaagataa atactctaca tagatatctc	240
aagtaatgca gacgataatt tgtctccat	269

<210> 2765
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 2765	
gcgcccactt tccggttggtg gcggtagatc taacttgcaa agaaaagtcc caccgccttag	60
aaaagcttga aatgatcctc atttacaaaa gaatgcatag tgtctacttc tcacgtgaga	120
aaataccaca tgggtcatgg attctctaac tcgtgtgata tctgatgttg cggacctgcc	180
acttaggagc aagcgcccta gaaaccttgc agtattctat caagatatgc cgagattggc	240
aggggaatcgc ctacgtgctg cagggtcacg gtatgaattg atcagcctac acgacgcatt	300
caacgaagac tctctgcggg actgccgact aagcaatgaa ggacgcgact caggtnagca	360
tctccgaagg tgttgaactt catccagatt ataattttat cctgcaccca tcgcaaacgg	420
acctgaattt tacgtctata atttaacggc aacgatccat ttccagggca cagggggatt.	480
atgaancagg gcggctgaat gggtttctcc tgaccattca aaacatcgac tcatcgtcac	540
acgagactgg cggatgctta cacggcattc atgtttcagg tggcacaaat aaa	593

<210> 2766
 <211> 341
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

<400> 2766	
gagaaagaga aataatcttg gttgtggcaa attgacgatg cattgctctc tcttacaagg	60
caaggcgggg tccactatc tatctggccc tgcattaaac tggttgttga gtctggaacc	120
tgagctgaac aaattcgcc atttacactt ggaccctttt gcatgtttga ctttggcttt	180
ggctctgaca atatcaagtc attctaattg gtgacattgt cttgtcttgg aatgggctgc	240
atggacnttt atanaattcg tggcacttct agcgggacng cacatgcggg cgatcatact	300
aaaaagcgtt taggaatggc tactaaaagg acgtttgttg t	341

<210> 2767
 <211> 159
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(159)

<223> n = A,T,C or G

<400> 2767

nccctgttna	cntgtggctt	caacactggc	cctgggcggt	anattggctg	tgcggnccctc	60
aagtgtgtnt	tgaaaaggaa	aaccgncccg	gaaatcaagg	taggaacccc	aaccttgcan	120
gggacttcca	tncacgcaac	anacagtggc	tggggaaat			159

<210> 2768

<211> 517

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 2768

ggctctgaga	tctggaagta	tctagcacga	gctttctacg	gcttgagaac	agcgacccgc	60
cgaactatct	ggggtgatcg	cctcttccta	cagttccacg	gacctacaaa	aattctcatg	120
tctagccgag	gtgtgcggtg	ttcagatgta	ctcaccaaca	agcaagtga	tgagatcgcc	180
gactctgaac	ccggcggtgt	ctcccaggct	gtcgagctga	gcgacaagcc	caagctgaca	240
gatggtgccc	gacagggact	ggatgataaa	tcccgtgact	ggaattcacg	ttgccaaagt	300
ttganaaaga	tggcaanggc	aattttccaaa	ataacaagga	ccttaaggag	tttattccga	360
tgaaacgatg	catgtaaaga	aaggaaaaag	ccaatgagcc	gatttacata	tatgaaaaaa	420
ggagagggaa	gatganccag	aagttttttc	caccgttgtt	tatgtntgaa	tntcctcata	480
gantggacct	ttttgtttta	ttttcagagt	tgaaaaa			517

<210> 2769

<211> 955

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(955)

<223> n = A,T,C or G

<400> 2769

gtcaaagggt	ggacctgctg	ctaacaacca	ccgctctgct	ttgttaggca	tgtttcgtaa	60
ggatgaccaa	aaccaacctc	ctgctcagtc	gcctcacgct	accggacaag	ctgctccagg	120
tagtatgatg	agcgaactta	tgcgatctgt	cgggggagac	aatgtgagga	cccaagcttc	180
tccacaaacc	agcgcaggca	tcaacccgtc	catatctttg	gagggcttgt	cccttcatcc	240
acgggctgct	cagtctagca	cgcccggggc	tcccaaggaa	aaagccgaat	tatgcgcatt	300
atgggcgctc	angtacaagg	aacagccgct	tcgcaacctc	ctcaacccat	tcgaattctt	360
cagcgaagac	aaacagaaca	gtttcttggt	gttggtggan	catcngcatc	tcctcaaact	420
tcttttgctt	cacccagtgg	attatccgcc	cacctacagc	ccgcacgtnc	taatgtcagt	480
cccagcattg	cgcaagcatc	cctgcgttca	acacacgtcg	cgaatctggc	ccggctcaaa	540
agcgagagct	actttcactc	tttgggaaaa	cagccatcgc	ctgctagtgt	ggaagcagcc	600
aagggcaaag	aagtcattgc	tggaaacgcc	gggtctcgcc	ttgcttcatt	agcctctggc	660
acagaagaac	tgctggteca	ccttctcgtc	gtgacagcaa	gacacctatc	tcacccgctg	720
aacntacatt	tttgcttgac	tacttgagtc	ctgttacgaa	naatgccaat	cattgacggg	780
ttttgaaac	gtgaattatt	tgtncgaatt	gccatcattg	ggattgaaga	acatcccaac	840
ngacctgtgc	tgggacctac	nggtttccan	gtttctagca	agcaattaat	tgctaagcaa	900
aattacgtaa	ttggatatct	gaaaatgcat	tcattctgtc	aatatnttca	atccg	955

<210> 2770
 <211> 154
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(154)
 <223> n = A,T,C or G

<400> 2770
 ncctcactgc acngcngagt aggaanaaaag acccctntac ctntctttaca catgctaacg 60
 cttgcaagcc ttaccgtttg tgacntgggc agggacacat tattgngagg ggctagtttg 120
 tgcgagcccg aaatnccctt tgacaaaagga cgct 154

<210> 2771
 <211> 107
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(107)
 <223> n = A,T,C or G

<400> 2771
 ncntacgacg cgggaaagga agcatcacgc cgtgtnaaaa cagaaagacg ggggcaantt 60
 atttttcact atntgccaaa gntaattgct tattttttact tggattc 107

<210> 2772
 <211> 335
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(335)
 <223> n = A,T,C or G

<400> 2772
 ctgaaagcca ttctttttata ggaagttgtg gttgtagata gtcggcacgg cgccgcttct 60
 gccatggggtc tttgcggggc gcacttatca ttatttccat tgcacttggc tgcaaaaagtc 120
 tgcgatcacg acagcgagac tccactcttt cctttcttcc ttgtccctcg acatgctatt 180
 atttcccttt aaggettctt gtcttttttg ctattccttt tcttcatctt catctttttt 240
 ctttctctct tcttaataac actcgggtng gtctcatctc atactaaaga ctcaatcgcc 300
 gttatgagtc cgcaaaagac caanttcccc cccgg 335

<210> 2773
 <211> 204
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(204)
 <223> n = A,T,C or G

<400> 2773
 ntatcacaag gactnaactg gaagaccgag cttacatgga ggagggttgca atgacctctg 60

gagatggttg agacancna aggttacgcc aggatnncct gcgagcttat ggagctncaa	120
gttttcaagc taagtataca nattggtacc ggttgagnca atgncctcat gntggaatag	180
gtaccgatta aatgtgtggt tttt	204

<210> 2774
 <211> 766
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 2774	
gaacaatcca ttctcaacgt caacgtccac accccccccc cccctgctt cttttctggc	60
cttatcagaa acctggttcc tctttttact cttgtcctct cttctttctt cctctttctt	120
caccgttcgt cttttcttca ttacagctac catagttttt tttatcatcc caagcgacgt	180
cgctgcccgc ttccgggtttt gggtctgctt cttgtgtcct tgtaggcact tttcattccc	240
tctgaatatc tcaaagtagc cgctgcccga aatantcgtc tgcccacaa gttcgggtcaa	300
gtgcgtacga accgggtcgac ggtccttatg gccggcaccg tcatcttctt ggtcgcctttt	360
gttagcctgg cctacaacca tctcgacacc tgggancctc ctactgatgt cgctaccgat	420
accganacgt tcatcatcgg cgangcccat gataaacctc nccacganaa acctgcaaag	480
antgagcctc aacagantga ntntaaccac gnggccatgt tcaaagcccg aacaagcttc	540
caacgcttcc accgagcttg gcgactacta cttactactt tattgaagtc caagggttaag	600
cctaccgtta agaagtagc gcctttgggg gggttcccat ggagctnccg gtgaggccaa	660
ttggaccaca tggtagcna gacttgnatt ttcganttgg caaccgncct ttaacgagcc	720
cggcaaattt ttttgaggnt tgatgaactg ggaccgcnta caagtn	766

<210> 2775
 <211> 258
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(258)
 <223> n = A,T,C or G

<400> 2775	
tgacttgaag cctctccctg gtccctttct catgaccctt ttttgtttca tttncctgc	60
tctgtctttt ttctnngga cctgaagtat tattcattcg gctcctntgg ttctacaaca	120
agttctacta attaacatct catttccagt cgtctntttt ttctctctng gcattttgac	180
acgatttctg tattctgctc tcgcagcaag tggggatagn agggaaaccca ccaacnccgg	240
gctttaanat gtttgcca	258

<210> 2776
 <211> 168
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(168)
 <223> n = A,T,C or G

<400> 2776	
ngataaaanc tgnccggcng actccccntt caactccaga gantcagnca acatagacna	60
tttgcccna nagctacacc aatttgaacc ccccgnttgc ggtgcctat gttgggaaaa	120
tantttcttn acaanaagat atggcctnng gtgtanttgg agtctatg	168

<210> 2777
 <211> 168
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(168)
 <223> n = A,T,C or G

<400> 2777
 ntgttnaatt attccaagag ttggagacna ttgcaaanaa tgctgggtcac ttgcaaantc 60
 nttataatct nntcttgatc aagagaatgg aggtgntaac agtttttttcg aagaaaacta 120
 tgtttgtata ncccnaccgc tanggggggtt gcagatntgg acnaccgc 168

<210> 2778
 <211> 768
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(768)
 <223> n = A,T,C or G

<400> 2778
 ctcccaaaca tgattctcgg ttccagcatt ggcgcatggc agggctctcg aatcctcccc 60
 cgcaagcca aggaaacgtg ccgcaatgac atgcagtcag atacctgcga gaaaccgcgc 120
 atgtcaacag gcgaactatt agtcgttctt ctcatcgcca gttctattgt cgtctgcggc 180
 attgttgccc ttttgtgcgt ctttcaccgt cgcaacaac gcctcgataa actcgaagac 240
 atcaaagggtg ttcaagaact cgatgactac ggctcgcgcc ccatcaaacc aaggcctgta 300
 caactacccc aagcaccacc accgacgtat gacaaaacgc acgagggaaa acccaacgtg 360
 acgacagatg aaaattggga tcggacaaat cgaaactcta cagactcgtt aacaccgta 420
 cttcgccaaa gccatgggtg tccactgccc gcatacactg tccaatagct agaaactact 480
 ggcgattgga acgttttagc gctggtagtc gagctactgc agnctgtcga tcaactatgc 540
 ataatcgcta aaaaggcgaa acgcatcaag aaactgggtc gttttgagac aggcgctacg 600
 aatctttgng gncattgcac cccgcacttt gacaagtaga cggngattac gaggatnngg 660
 ataggatttg gtatgggtta ctatgggggtt aaaangccat nggtnttggg agggctcctgg 720
 tttgggnaaa ggataacgat tntgccgcgg tttgaacggt tnctatta 768

<210> 2779
 <211> 826
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(826)
 <223> n = A,T,C or G

<400> 2779
 cnngtctccc gttcctcatt tgatctttgg ttaagttaaa acgtaatcat catgccaaaa 60
 gcactttaag cgtttggtgact gaagtacccg cttatacacc cttagacttc aggcccgaa 120
 aggagttaga aaaccagacg tcaggtggcc caaacttttt accttcctnt ctngagatca 180
 gtctacntgt tccagcacgt tcactgactc gctgtagttt tatctgtcca aattatacaa 240
 togtccactc ccaatcgtat cagtgttcaa ggtatgtaca agctcagtta tttccaaagc 300
 cgcgtctgcc tttgtttcac caccaaaagc tctctggaaa acacaagctg ggcatgtatc 360
 aagctgcaaa agagaagcaa gacgccttcc aagcaaacat tggacatttg agcacttttt 420
 gggggccaat gctaaactat tgtgacccca attgggatct tggaaaggct gtctgtctga 480

ttcactattc	catcacgang	gccacgagat	gttcacatgg	aggggatgga	agacacggcg	480
atTTTtGcaat	caagtaccta	anaggaccga	acttggttg	ccggatgaac	gtntggggcag	540
tttgccctncg	tngttggaaa	gtccagtcca	acggaaccaa	ggtgtcctgt	angnggccgt	600
taacgactag	gcttgnatgc	ggaggganct	nt			632

<210> 2783
 <211> 504
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(504)
 <223> n = A,T,C or G

<400> 2783						
aaaggattcc	acagtcggcc	gcctcagctc	ttgggtctcgt	caagagagac	ccgaggttct	60
ggtcgatcag	ttggttgacg	tatcattagt	gatataggcg	agcatgcgct	cgcagcacca	120
ttccaccgtc	acaatcccca	ttccgcgcca	tattccaccc	caggttggtc	tcgactacat	180
acagacatat	gaacctatcc	ttcggcacia	ccctggcatg	gtatcatggt	cgccatcagc	240
cataaaactat	gacactgtca	ttcatgacac	ctttttcgac	gcttcggacc	ctaaccagag	300
ccttcgctcc	tacnaagcct	atgagatcgt	taggcttggt	ccgggggtgg	gaagggattg	360
cagatggccc	atcatcttca	gagagtacct	aatggaatcg	tgtcgaggac	tgatgcnct	420
gcaaaggcca	tcagctggac	tcagtgggat	gtgagaaccc	cacaaaatga	acaggaagct	480
tccagtgttt	gggacccta	gtac				504

<210> 2784
 <211> 461
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 2784						
gtccgaatgg	accaatgtct	gcacatctgg	gatgttagtc	gactgtcttc	aatagacaaa	60
aacacgaaag	gattcccttc	agacgcaagc	aatattgcan	acccgaagac	ccgtctagaa	120
cctagcgtct	ctgtgtcgag	tatnaaattc	ttcgaggaca	gccctcaaac	tcttggtgtc	180
ggcatcaagg	cacaaggcct	ccggatacac	gatcttcgcg	atcctggaag	cattgtgact	240
ttccagacta	aatgtaacaa	caacctcaca	atcgactacg	ccgatcaaaa	ctactttgct	300
tcactgtccc	ttgaccatcc	tggtgtaatg	atatgggata	ggcggggctac	atcacggccc	360
gtggcatctc	ccacatacat	gcaagccatc	gaaaaanaca	agcttccng	ggngggggca	420
ttgcgtcttg	atcaagtgat	aaaaaccgat	tctgaccctt	t		461

<210> 2785
 <211> 352
 <212> DNA
 <213> Fusarium venenatum

<400> 2785						
tcaccattcc	gcccgtgag	gtagagaagg	aagattgcat	gaaggaggcc	cctgaggagg	60
ccgttgctga	agtctaggag	actgagcccc	tcctccctgg	cggaccgttg	gtaatgaaga	120
agtcgccgga	atTTtctcaga	ctcaattagg	cgccacccaa	atgggtcatt	tccaagccac	180
tcctggcgaa	tggtgaaac	aagaacatga	agaactggat	caggatagac	aaaaaagact	240
tggtgcaaga	cacaaaatgc	caggatatag	aaggcatgca	cgtaataggt	gagtaaccgc	300
aagcctagat	aattgaaggc	tcgtctagag	aataatacac	aaacgtacag	at	352

<210> 2786

<211> 194
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(194)
 <223> n = A,T,C or G

<400> 2786
 ntngcagggga nttgggggan caagcntgag tgtttnttat atcanggatg caaatactat 60
 gggggcgcac tttatagaca tttagtggct tcataattgt acagacgagg gcgtgccagt 120
 ctagatatct tggaatattc atctcaactt tagttaatag gnaggcatag ttattcaggt 180
 cttgggaact aaac 194

<210> 2787
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 2787
 catattngag cttataagtg gntgcatatg cccacttttg aatccctgct ngaatatngn 60
 catacttagc ggatacctaa tctctcaaca tnatcccat ccctcataat caaaagataa 120
 tcaacgccat gtgtttcgga agtaagaaag aagagaacga tgagccancg ccccgctcgg 180
 gcagaggcca ncgtcatctc aaagtcaagg cgatgtgaag aagagnagat acaaccctta 240
 aaacgatccc aaccaattcg cgggagagtc tagctattca gcgcctccag gaccgctcct 300
 gatagaaaac aggcctcaga ctttgngcca cctccaggac caccacccgg tnagtcttna 360
 tcgcagcaat actctgnttc tncctgggccg ncgccaagta aggtgggagc acagtacgat 420
 gctccctagg atctccctag gacatggatc atcgtnacaa caatcngatg cttcttnggg 480
 gccttcttca ggtnaanggg cggnaccaga atatgcgcct tcnttttggg acctccacca 540
 aacatgactg ggaggnagna gtccagatac ataattttc cacacctctg 590

<210> 2788
 <211> 124
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(124)
 <223> n = A,T,C or G

<400> 2788
 caacgccgna ttntactaat acncttggng gccnatctct tcactgcang gatcacantt 60
 ctactatnca ntaacntgc gagnttactt ctacgagggt tttncaggag accantgcnt 120
 cccc 124

<210> 2789
 <211> 554
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(554)

<223> n = A,T,C or G

<400> 2789
cgtctcttgg ccgaaacctt ctctgctgcc gacatccccg tcttcaactta cctctggaac 60
gtttacgtca acggcctccc tcctattctc ggagccactc acttccagga gggtgctttc 120
gttttcaaca acgtcaaggg tggtggctat ggtgctaacc ctttgaggg caagcctgaa 180
acttttgttc agctcgctga cctcatgagc aagatgtggg ttgcctttat gcacgacatt 240
accccccaaca ctggtgagac tgcccctgcg catgtcgctt gcctcagtac tcaactcgagg 300
accctctcaa cattgtcttt gacgttaaca agactgggct acctacactg ccgtgacgac 360
acacataaga aggagatttc tttcctcctc gaggatgttt tcgcttaaac aaaagtcgta 420
agcgttatag catattgacc agatataatg tgtaatgggc cttgttcttg ctttcaccca 480
gagacatgtt tttaaaatag actanggtaa tctggcacc cttgtattcat aaatagactc 540
tgaaaaaacc tttt 554

<210> 2790

<211> 472

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(472)

<223> n = A,T,C or G

<400> 2790
nncnagggtt ttctttttcca gtntagtnnt gtttttggat ttttgtttng ggggtcaatcc 60
cgncaaaaaa gaccanagaa ggcagggact tgtttgaagc atggaacatt ctggaggcgg 120
naaaagagca ctccaagcct acggcacgta tccaggacct tctgaggcag gtgatgaaaa 180
aacacaaggt gcctttgtca atgttgaaag caagggaacg gcatctccct agaccagnng 240
gtagaaatct tccacctacg cctaattcgt caacggcaat gatgtcaacg gaaacaacgc 300
ccagtgcagt tggagtttct tctcatgagt tgagtgatat cggattgaac atgaatttgg 360
actcgatgga ttgggaaaat cttntntggg gcttggaggc tcctatgttc tgatcaattt 420
atggatagna aattctaggn aggcattata gatgtgcac cggagaaccaa aa 472

<210> 2791

<211> 406

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

<400> 2791
cgcaaagacc ctcagaagac ttttgaggaa gaggagcaac gacgtgcca acgacacgag 60
gatgtcatgg ctgtgggcag tcttatagga gccggggcaa agtcgggatc ttacaaacct 120
acacagagct caccagttag taagtcgtat ctacgggatc gcatgtctaa ggattcgatt 180
gccacaagc tcaacaagca ggcctcgacg cctgggaacg gagaagaggt cggggaaaagc 240
agtgggtcaac gccaggaaga acaggaagg tcctacggga ctctgtcgtc tgtcattccc 300
ggntttttcg ttttcaagtc tcttgggcca aacnagcgtc ttatcancat ttcngaagg 360
cntggtngcg cccgcaccaa tgggnncaag aacatngntg taactt 406

<210> 2792

<211> 605

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(605)
 <223> n = A,T,C or G

<400> 2792
 gcctgaagac aatttgagac gaggagaatt atcatcgact ctcccatcca ctcacccaac 60
 ccccccaag ggcttctttc gctcaacatc tctccctcct gcggtttcca ccctattaaa 120
 tctaggccag gaaacaagaa acccttcgag gctgtgagac gaaccgatct agaaaaggaa 180
 cagggaaaaa agtgaatcaa aaacaccttt actgggtattt cgcttttcga ctatatcttt 240
 tttctcaact gccaatcct tccctccagc ttgcttgact gtaaaattcc tcggttgctg 300
 ctcaaaccce ccaggaattc caatctcaac tgaattcact ccctctttcg ctcccgttt 360
 cgctcccgcc gccgacgaaa agcctcccat cgaagtgcgc gctcccttga ttcacttcat 420
 cgaagcaacg aanaactagt tcgccaacca aattccccag tgacccttcg gaccctagga 480
 aaggagaact atncgacaag agagttatcc aacttttcag ccatacgac aatcgcaatc 540
 aacccgactg tcgactttat cactgnaatt tcgggaggag tgtttgggtg aanccanaaa 600
 gttac 605

<210> 2793
 <211> 314
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(314)
 <223> n = A,T,C or G

<400> 2793
 gacttaaaga tgagctgccg agttgagatg caaggacatc aattgattga ggctggattg 60
 tcttggttga gggtgancct ggtggtgata atggcgatg ggtcgatgct gctttttcgg 120
 acatggttgt gtctgtgatg gaagtggacg cagtgatatc ttgttggtgt gttgcctctg 180
 tatctctctg gtgacgtgct gtgtgaggct cgcacatggc tcgagctaaa ggctggagat 240
 gacctgcccc atcaagggtg aaagagatag agatagagtg gttgaatgat tgattgaaga 300
 aaaaaaanaa aaca 314

<210> 2794
 <211> 556
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(556)
 <223> n = A,T,C or G

<400> 2794
 gaagttgttg ttgcggcgag gtaatcaaca cgattcagtg ataacaatct caagacccag 60
 gcgacctcat cccacgcctg gngacgaaac tcgccaatgg gattttacga ttttaatgcc 120
 cgaacccttt taattttcga ccttatactt ttttttctga taacaacttt ggcattcatc 180
 ggcacagcga aatggcgcaa tgcgatgctt tacaacggca gatactggat tctgacgcag 240
 ggccgtcagg gccaggcggc aacctttaat aatgggttca aggggccatc gatgtccctt 300
 tctaattgat acctgcggaa ggacaaaacc ggacctgaat agagtaattg atacaaacaa 360
 gaggagggtt atatgtgcat ggatatgcga tcacgccatg tcatgcaccg attcgctcgt 420
 tagagagctt ggatgactcg agagggacag gctttacaag ctcccctact catgatgagg 480
 aggaaacaat gaacgaaagg gaaaagcggc tcgcttgccg aaacctgggtc gatcctggan 540
 aaaaaaaacc caggcg 556

<210> 2795
 <211> 267
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 2795
 ntgtcatcng ctacctatgt tcttgggata tgatactgcc aatgttcgat accgggcttg 60
 gtttctgatt ggcancactt ggatnggtot nggtaccatg accaacgctt acattaatgc 120
 cnacgttggc aagtataacc cggtcgaaca ntgcnatttg gctnaacgct atgtttggca 180
 cattngnggg cttatcgcta ctttggncnt taccttgaaa aaggataacc caactacccc 240
 attgggaaca agattaantg ggccgcc 267

<210> 2796
 <211> 574
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 2796
 gcttgatgtt tncagcttgt ccttcaacga caccgacaac ttcatacaagg tccgcaactt 60
 cacccttcac aacactggta aggaggaggt tgctctcaga gtctctcaca ttcctaccaa 120
 gagtatttac accctcgaca aggacagtat ttatgcttct tcttctccta acgaggctgt 180
 cnatgctcat gctgagctcg agttcagcng aggccaaagt ttccattgct gcgggtgaga 240
 angtcacat tgagggttat ccttctgctc cagaangtct tgacagcaag cgtcttcgct 300
 ctttgggtctg gntacgtcgc cataaacggt accgnaagta tctctgtctc ttcctttacc 360
 agggctttga caggttctct gcaacgattc tgttgtnttt agggaaactga cgatcatgga 420
 tcgncaagtt caacgacaan ggacaacttt actccctgtc cccggncaac acgacttttt 480
 nattcttccc gggttaaaggc ccanaacgcc actgatgntt naggctggnt cccgcttctn 540
 gntttggatg ctttgcgctt cggttnaagc caaa 574

<210> 2797
 <211> 157
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(157)
 <223> n = A,T,C or G

<400> 2797
 ncaaagtccg gccanggtt ccccgctttn ttanaatacn ctccccnggg gaaananttt 60
 ttctacaacc nccnatcttg ggggtctttt ntnataaaa ttgccattnt tgnntttana 120
 attcagcacc gggttccncc ccaaaccntt tgggtnt 157

<210> 2798
 <211> 603
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = A,T,C or G

<400> 2798
acggcagaag ccaaactcat ttgacgacga cgagacgacc aaagctgctt ataccagtca 60
cgcctcgtcg ctganacgat tctcgccctg acctttcgtt attaaacatt ttttacttct 120
ttctttgtct cttcttttcgc cttattccgt tcgtaattcg ccaatttccg tggctctact 180
cgcttgccat caaaccacaaa gtctattcaa agaataacct cagcactctt aaaagccaac 240
ggctaccgct ttgcgcgact gttagttgat taaccgcctt cggattcgca tagtttcgac 300
tgtttaagaa ctggntgggt cgcacaaaca acgacaacca tcttccgacc gaacgttccg 360
actcgatcgc tggccataat aatcgcaact cctggaaata gtggcgncac gatgtggtct 420
tgcattcatga agccattggc ggcacgcctt cggnggctgc tctggcatcg cccgtctcgg 480
gtganaagat tctntactcc aactcctcaa caggtgccaa aanggacaac ggattcaaag 540
ccncacnttt tcaacgttgt ttttgacacc aaacaacggg ntccgctacg ttaanggcgg 600
ggg 603

<210> 2799
<211> 559
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G

<400> 2799
cggcttgatc ctcatgggca gtccttatcg cgacatcggt gtccgcactc catgggtcgtt 60
tctcgcagcc aanaaagtcg tcgtagtctc attgtgaccc cagcagtcag cgtcagcgac 120
gcattcgaat cagcagattt gcacgagcgg cgaagtccac agagtcctcc acttctcatg 180
ccaccaccca ccacagcagc tgacgcattg aggcgaagag cgaccatatt tattctccat 240
ttcatgaatc ttgcaggctc gcactctcca ttactaagtt acatcatccg cctgggccta 300
tttggtatca aagngacaac cctcgtccgt ccttgctggc ccctcatggc agagctgaac 360
gtggntattc ctctcatcgg cgtagcggct ctggaccttg gtctaccgca agtaacaagc 420
tattcccaat gatgatacaa ggccacgggg actatttttc aaagtggacc acccncatgg 480
ggactcggtg tganccctaan ttctccttgn gtttcacttc acnnggctgn ggggttgctt 540
ctggngggga aactttttt 559

<210> 2800
<211> 582
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 2800
gccattgagt ccaacaagcc tgtccctcaa cagcccatgc ctcttctcgt ccgaattctt 60
acccaatggc cctattcaga cgtctagct ggcctcgatc tcctccgctg cgtggcaaag 120
tactctcttg cgcacaggtc tctgatccac agngggctct nttctngaac ttggttttgn 180
ataatttntg cccaaaggcn aactccnaan gagaacgcag ncatganggg ccttngtact 240
ttcgnaaaca tnttntccac cgccaanggc cgctcgattg ngagcgctna atcgggatga 300
agcaatctna ttcttgagc gcgcgttggg gtatnatccg anctatggga cccttgaacc 360
gaacgtttta ttgnggcacc aaagaagaat aacctttagt tttgnacacc gggagcgttt 420
ttnatccgaa caacggggcg ctactatntt ttggacaatc ttttttggga nggnagagga 480
ttaaaaagtnt aaccggccct tggggggtng ganatggttt tagataaana tgancagcaa 540
tttggnntaan ggggggaccag gngtgagacc antaaaaaan gt 582

<210> 2801
<211> 193
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(193)

<223> n = A,T,C or G

<400> 2801

ngccangatt	tnttcngttt	tccaagccag	tttnaaatng	ggnacaaaagg	gantaaaaanc	60
cgggnaacca	gcnatgttnt	acttgagttt	gcaanagaaa	aagggttttg	agaaancttn	120
taaagtngaa	aaccccaaan	acttcaagga	anccgcangt	ttttttaaaa	aggccggtcg	180
gcaggatng	gac					193

<210> 2802

<211> 353

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(353)

<223> n = A,T,C or G

<400> 2802

gggtcagcga	agatagccag	aatgacagct	tcaagtcggg	gngggcgggc	cgttcaggct	60
gtgctatcca	cttctcccaa	cgtctgcgct	cgatgcgctt	cttcatactc	ctccgccctg	120
cctagaatcc	ctgcacgact	ctactcatcc	gtcgcgtcag	ccgtancnaa	aactcccacc	180
gatgcctcgc	ctccctnaaa	cgcacccaac	tcgccgcctt	acnatgttcg	ttctggagtg	240
attcttactc	gaccaccact	ggtgacacgg	aaacttcacc	cctttgagaa	ctccttnttn	300
ttttaccana	agcgtctcga	ggaacgtctc	aacactccct	tnatcacggg	cat	353

<210> 2803

<211> 537

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(537)

<223> n = A,T,C or G

<400> 2803

tgggggcatg	gggaggtgga	ggttccgtct	gatcgtagga	cggcggtggt	agctcttgat	60
ggggatcgtc	tgcattgagg	gcgggcaatg	tgacnatttt	ggcgcccgtg	ccgctaaaca	120
tgctgacaag	atcatnttga	acaacgagcg	agacaccgct	gccgacagca	tcgcanacgg	180
gttggagttg	cgccgttaat	gtgcctgagt	ctttgatata	nattgaaagt	acggtaatgt	240
ttgcaagttc	gtggatcgcg	tctaggactg	tccctgattg	tgcgcgcgag	ggagccagcg	300
gctcgtgagc	ttctgctgaa	acgaggactt	cggggtgtct	attgaggcgg	aagtcgaaac	360
aaaggggtact	ggagtggaa	ttgtcccnca	caccactagg	aattgtagga	tttggtatga	420
tttcaaatga	aaaaatgaat	gaaggagatn	ttcttgagga	tcaaaagtcg	ggccggtctt	480
tattccttga	ttctgatggg	tatatattaac	tgaaanaatn	tttctnttct	ttccaac	537

<210> 2804

<211> 563

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(563)

<223> n = A,T,C or G

<400> 2804

cgcaaaacac	ggcttatcta	gggaacgtca	cgcgttaacg	ttctttctact	ttacactcac	60
acacagaatc	tgactcacta	aatcaaagt	cgcataccag	cttaaattgc	atttacattc	120
aagcttggtc	tttgactggt	tgatacaacc	cattaccgcg	tctgcaacct	ataccagagc	180
ttgcgcccc	ngagaactcc	gggtttcttt	nntttcgcag	cgcactctctc	gttgcatcgc	240
gaactatttt	tttacatttc	tnaaattttc	gtcctttatc	tcgacctgcc	tgccaaagt	300
aaagtgtttt	gagggaccca	agcactcgcc	aaaaaaacat	gacggagatc	gaaatggatc	360
tcgatatggc	caagtcggnc	ttagacggcc	gaaacgaaaa	cgagatgac	nattttgaca	420
ccgaaatggc	agactcgaat	caagactttg	agaagtggga	tgtaaatctc	gaaggtgcgg	480
atagagagat	ggaaaaagac	gagnatgttg	tggaccaccc	ntcttacaaa	cnaaacgna	540
ttataggcna	aaacctcnaa	ttt				563

<210> 2805

<211> 427

<212> DNA

<213> *Fusarium venenatum*

<400> 2805

agaacggcca	gctccgaaat	cgcattggaag	gtttcgagat	gatggtaatg	tctcgagatc	60
agggaccacc	agcaggcgtc	tgggcataga	ctgtgtttac	ttgattatct	tgtgcacttg	120
ccctagactt	gttttttttag	aatatttggt	ttctttttct	tttgtgcat	attatctttt	180
ggatcgacaa	actggaaacg	caacgcaacg	cttcaagctt	gtgtgattga	cgaatcatga	240
tatccccggt	gtttatcggt	tttacaaact	cggcgtttat	gaggatatgg	gaaaggcatt	300
ctgatgatat	cttatggcgt	cacaaaagcg	agctctgtgt	gatgagctgc	ttgaacaaaa	360
atatgggcat	tccgaatgga	atagtataaa	caatatccaa	tacacattta	atggtttgca	420
aaaaaaa						427

<210> 2806

<211> 554

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(554)

<223> n = A,T,C or G

<400> 2806

ttccctgaga	aattcaattt	tattgctggt	cagtttataa	tggagataga	aaagattccc	60
gtttcgtgga	gtgatcagcc	aaatccgata	ccgaacctcc	gtacacgaac	cttcttcac	120
acggaccatc	cacttgacga	gaaagaactg	agaatgggc	ttgaaacttt	gattagaaag	180
tattggcgaa	agttgggtgc	tcgtttgggc	tcacccgaaa	agcaagggtt	agagtatcac	240
ctcccgcatg	tgttcctaga	tggttatgag	cttttcaatg	gtcgtcagtc	agtgtctgggt	300
tttcctacng	cgaaacatac	naaatgtcga	agatcattcn	tccgggagac	aatatcgcg	360
tcctaccagc	cgtggataag	attgacaagc	tggntcgggc	tccagactgg	gcttttgagc	420
gccaaagatga	tccaccccc	tctccgctgt	tgtttattcn	cttgaccaat	ttccacnacg	480
gagcantttt	ggggatcagt	gttccctcacg	ttcttgncca	tcagggggggg	attggggccat	540
attgtcaagg	ttgg					554

<210> 2807

<211> 751

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 2807
caaaatctac gcacgtcaag ctttatatcg actcattccc tctagctgcc ctcttatcac 60
caacgtctca taacatcttc cattttgcgc ctgcaaacia acaacaacct gcgatttcac 120
tacagcagga taaccatctn agaattgcga catcactaca acagttgaat aacgatatgc 180
agatcacttt gaacaatcca accataccac agctaaaatg aattcacgac ctgtgaagca 240
cattgatcgc gaggatctct acaccaatct agaagctcgt gttcaatatt tacactcatt 300
cctcgacttt tctagccgag acatcgaagc tctcatcact ggcgcaaaat acgtcaaggc 360
tcttatcccc gccgtcgtca acatcgtcta caagaaactt ctccaatacg atatcacagc 420
ccgtgctttc acaacacgca gtacctnctt cgaaggccct cttgacgaag tgcccgcgca 480
gaacagtcct cagattatgc acaaaaagat gtttttgcgg gcttatctga tgaagctgtg 540
ttcgggatcc caaaaaaaaaa tggagttctg gggagtatct gggacaangg gcggaatgat 600
gcaccgtggg tctttggggc cangcaccct ctttacatgg nggtacgtcc attcttgggc 660
gtntgccttg gcttnattcc aggatatcat ggaccggaag nccatcctct cgcattctcg 720
ngtacacat ttcagcgcca ngaacagccc c 751

<210> 2808
<211> 382
<212> DNA
<213> *Fusarium venenatum*

<400> 2808
ctgacgacaa atgcccagag aagcgtcgag attgcatatc tgcttaacaa tatgaattat 60
ccacttgctt aatcttcgac tcaactggaa atagagtcag agctccactg taaacagtc 120
gtaaggccaa aacagtcatg ggtccgctgc tggcttattg gaggcgtgcc gacaaggga 180
gaaaggggtca ctgcggatgg gattttgggg tttgagctcg cgctattgtt attgcaggca 240
taccaaaacg acatggaatt atatgtggcg gagacaaatt gcgttgagta attcaagatg 300
aaataaatca tcttttcaag ggagaagaca tcgatacaaa ggggtttatt tcaagcctct 360
tgaacaaagt tttctcgatc tg 382

<210> 2809
<211> 361
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 2809
aacgaagtcc tcgacaccaa cctnaagact cagcagctac atgtcnctgt cgaggctgtc 60
cnagccagcc ttgaggatga ccagcaccct cgtcccttta tccgcgaact gggttgccctc 120
cgtgagatcg cttntgatga tcccgttgtc aacgctgcta tcngtctcag ttaaccctgc 180
gggcttacca agcgcggcat ctctacctct tcccagctga ttgaccgttt ncgccgtgtc 240
nntaacgagg tacagaaagg cttcgtact tgcccgcgca ggccngtgtt gcagccacnc 300
ctccagctgg gtctcagcca catcatggtc aaagaagcag gnacttgctg atggtaacga 360
c 361

<210> 2810
<211> 310
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 2810

tttttttttt	tttttttttt	tttttttttt	nnaccgagta	ttaacaatat	gttttgtaca	60
tgcattcgtg	atctaactta	tccanacaac	cncctgcag	cattatacgt	anccaaacta	120
tnaaaccccg	nggcattcctg	caatccactc	aacttntcct	tnaaatactc	cctntgattc	180
tgatgaatcc	tatcaaaaact	caacaaaaac	gtaacaagaa	acaaaaaatc	ctccaccctc	240
gcctcnacat	cntgntgttc	cccagcgccg	gnaggcaaag	ccaatacatc	cncacagng	300
gtcgtgatct						310

<210> 2811
 <211> 222
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(222)
 <223> n = A,T,C or G

<400> 2811						
natanntttg	ggaagntcac	atcaatttat	ttaaaatggc	tcctattgcc	atggccnagt	60
tcggttatcc	naaaaaacacc	ngtgcttctt	tattaaagta	gcacagcaat	attacatgga	120
agcacatnac	tttttttggg	tttaagttgc	cacatttgna	cggtctactc	gcatttagat	180
caggcgaca	tatttgagct	catataccgg	atattctttc	tg		222

<210> 2812
 <211> 202
 <212> DNA
 <213> Fusarium venenatum

<400> 2812						
cacttctcgc	ggtgtctacg	agctcaagtt	cttcaacgtc	gtcaacgacg	aggttgacga	60
ggacgacgag	taaacgaaac	aaattgcaat	gcattgcaac	ggcgcaggaa	tggattgggtg	120
aattgggaaa	cgggatcgaa	caaaagtitt	aaggacttgg	ccaatagacc	cagccatttg	180
tgtggcactc	tttgtggtgt	tc				202

<210> 2813
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 2813						
tccacttggc	caangcacc	ctgttggcca	aggaaacaaa	aaaggcccgt	tatgggcgtt	60
tangaaccct	gtggttcaaa	cacacacgat	gcctcancaa	ccacaggctt	gaggcacgtc	120
agccctgccc	gttcatcatt	acttaaacca	gcaccccttg	aacggcattc	cacaggccaa	180
ctgttgggtga	ttggagagga	aggttgaacg	attaccgtgg	gggtacgccc	gtttcgcat	240
taacttat	ggaaatctgc	tcggtgacaa	aaataacaaa	tgtcgccaga	cactcagcat	300
atgctagcag	gggaggaaa	attattggag	tgcattcagg	cgcattggag	accgggttat	360
tgatnaaaacc	ctggtgattt	gggacaagac	ttcttctaac	gttttatgtc	atgtaatat	420
tgtcaaaaatc	caggggcttg	ctttgtttat	acatggttca	agtgactctt	gtcttttgat	480
atctatatct	ctatttgtng	gngcgggccc	agaggcttgt	gaaagtgnac	aagcaaccga	540
tcattcccgn	ggggcaacat	natcatccat	aggctgggga	gttttgggaa	tcttttttta	600
cctgg						605

<210> 2814
 <211> 123
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(123)

<223> n = A,T,C or G

<400> 2814

ntgcntgctt	tcntgttatt	ggggcgatng	acncaccctt	tgntaahcta	tatggcccna	60
naacacaaag	gaattgttaa	ctgttctatt	ggngcngtgt	tttggncact	ancaaccant	120
cat						123

<210> 2815

<211> 606

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

<400> 2815

ggagcccagc	tctgctatcg	tcttttgagc	atccattagc	gcacttgtag	ttcccatacc	60
atcggtccg	agagtcgggt	tcanaaaacg	atggaagccg	aagatggtag	cgtgcctctg	120
gacnaaacct	ttactgagat	agtcgagcat	tgngggcggt	cttaccaaca	ttactccttg	180
aaaaacgata	cttattttgc	gcctatcgat	gaggtaggag	tgaagacgct	tcaatgtcat	240
gttcttcaac	anaaaataat	atatctcggt	aggacaaant	ttcgcgctct	gagatgatgc	300
atggagtcct	cagcggtctt	ttgacaggcg	tttatattcc	ctcctatcag	gctccncaaa	360
aagtgcctga	ttgcgggtgtg	gtctggaact	ggccatggaa	tcctaccaaa	ccctgatcgg	420
aggtnttggc	tcatgtagcc	caccatgatc	caaaaaccct	ctgcaatatg	ggcttaggtg	480
tgacttgacc	cganatcaca	tnaatccacc	ctttgnntgg	tcatatcaaa	ngngccgggg	540
gacctgcaa	ttgtggaaac	ttttccaaaa	tttcngtttn	aaccnggggt	gnngaaatgc	600
aaaaan						606

<210> 2816

<211> 312

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(312)

<223> n = A,T,C or G

<400> 2816

ntntttttat	aacactccat	tcccttctgt	taattcagcc	cctngacgga	aaaagacgag	60
caattgtncg	actttcggcc	tgtgcctcgc	gattcanacc	cccagcgaat	aatcaagaag	120
caccgatnca	atcgcaatcg	agttacctat	tggaactatn	tcccgtacga	taccataccc	180
gctggcgctg	tgccctctcg	taaatttcgc	gtcgtgcctn	tactngagct	acctttcatc	240
aaccttggtc	tacaagagct	tnacatcctc	gncaggttga	gcccatcaca	aagactcaat	300
cgcccataat	gt					312

<210> 2817

<211> 311

<212> DNA

<213> Fusarium venenatum

<400> 2817

cgatttttcat	atcacttggc	caacatatac	taccaaacac	cctgttaaca	tggttttctga	60
-------------	------------	------------	------------	------------	-------------	----

aactactcaa	agtcattgtac	aggctgatga	ttggcgagct	gaagcaatcg	gcctgatgtc	120
tcttattccg	gatacctgtc	tagctgcagt	tgacaaaaat	catgagggtca	agctcatgtc	180
ggctgggtccc	ctcagttcat	catagttaga	ttcatccttt	tcagtccgtc	tttcaactcaa	240
gttacatgaa	accattcatg	caagcgtgct	tgctttgaga	tttcgaatag	atactccacc	300
acaaaaccat	g					311

<210> 2818

<211> 367

<212> DNA

<213> *Fusarium venenatum*

<400> 2818

cgaaaccaac	catcggagcc	tcccagaact	ctcattaacc	gacttcaaga	tgcctctcgt	60
cgacgccaaag	aaccccgttc	ctcagtagca	gcgttactac	cagaacgctt	acaagaacca	120
cacccgtctt	tggaagattg	gccctcgcag	ccgtatgctg	atgaccccct	acctcatcct	180
cctttgtggc	accctcggcg	cttctttcta	cggcgctggc	cgcaagggtcc	ttggatacaa	240
ctcttacttc	ggaaactaag	atacgtgggc	tgcctagctt	attatatagc	tcgacaacga	300
tgaggggcta	gtgtgatcaa	gtatggagtg	aatagaagga	gatgaatcca	atctgatatc	360
ctcgcgg						367

<210> 2819

<211> 233

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(233)

<223> n = A,T,C or G

<400> 2819

gaacgctgta	tgacagacag	ggagcgatcc	agagcggttg	caaaaccgac	tggtactcac	60
tcaagccccc	actgctgcgg	ttagtacntt	ttgccgatga	cttaaaatag	acgaacgaag	120
cgcaaaaaga	acgtgggttt	gtagacagtc	atattgnaat	cgtggggcgca	gggcggacct	180
gtcacgttga	ccattatact	agacggcttn	ttaagaacaa	agacttgctt	tgg	233

<210> 2820

<211> 285

<212> DNA

<213> *Fusarium venenatum*

<400> 2820

ttcccaaggg	ctgtgcaccc	attcgccttg	tgccccagt	cgacgagctg	gagtctctcc	60
ccaagggatc	gtactcgagc	cacaagtacg	ccctcgactc	caagtgtctac	caggacgtct	120
ccaagattga	gtggaagaag	tacagcccct	aggctgagac	ttttaaatga	ataggaaaca	180
acgagatgga	attaataatg	atgaatgggt	aatgattgct	tttggtatagc	ctctataatt	240
agcattggca	ttaatagctt	taatattgta	caacacatta	tctgt		285

<210> 2821

<211> 296

<212> DNA

<213> *Fusarium venenatum*

<400> 2821

aggtcctcac	tgccccgttc	gtcattcgag	cactgtccct	ctccaagcac	ggcctcctac	60
cgaccaatct	ctcatcgcg	ctcgaaaaag	aaaccccaaa	cttttacaag	tgggcgcagg	120
ccattagtaa	ccatgccagt	gtgctagaga	tctacaatga	ggacgagatt	gtccagggaa	180
ccaagaacaa	gagggcccg	ctccgagccc	aaggctaggg	taagcgtggc	tgtgcttgac	240
tctagatatt	ataggacagg	gtttttgttt	tatgaattgt	ccccattttc	ttgctt	296

<210> 2822
 <211> 133
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(133)
 <223> n = A,T,C or G

<400> 2822	
ngnaggaaaa ccanaaacgg ngntgtttct tnacanaaaa aanaggggcc cttttttggn	60
tntacaaaaa aaanggggtgt ttttctggna ccccccaccnc cctnttgta cggccgcctt	120
ggctaaaaaac ng	133

<210> 2823
 <211> 495
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 2823	
caaatttcta aactccttca tcatgggctg taacaattct cgccatgttc tcgagatgga	60
atctcgctct gttcgtcccg tcaccctctc aagtcattca gctgggtctg caatgacatc	120
ctccaccatt tttcaagact accccggact acgcccacaa caaatcatcg acgccttcca	180
aaagatggcc gaatatttga acgagtagcg tgtaagcata gattgtgtcg ctgtcgatgg	240
cgctgtcaac accctctacc ttcgctcaag agactcgacc cagcagctcg aacttcttct	300
caacgatcct tcttcaaaaag aaagcatcct tctcaccaac gctgctagct tcgccaacag	360
tcaagcccaa ggtcgtcttg gtgagacttg gctcacagct cgatgcaact gttctgcccgc	420
gaaatgttca nactctcttg tcgaagaagc aaaacccgaa aganatgtct tgaacatcag	480
gaacaatgggt ggtct	495

<210> 2824
 <211> 537
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 2824	
cttgacacct ctcttaagtc cttccgcttt cccaccctca tattcaaccc cagcacctcc	60
tccttctccc gaaagagatt cgagcttctc ccgtagtctc tgggtccagct cttcacttgt	120
ctttttacgt gcggtctttt tgattgcgtc ttctgttggt gtagcttcct cctgtgttgg	180
ctgagattga ttcattgggt gagattttgc agtgcggat acagcacgca gagaagttgt	240
ttggattcct ctgaggggga cagttgccct caaacttgat gcgaagatac agcgctcat	300
ttttattgtc ggattgatgt tgacggaatg aggaaatgaa atgaagaaat aaatggccac	360
tgctggttga cgttaacgcc agaatttatg ctgactaagt cttgtacgtc attggaagat	420
ggcatcgtga cagcataatt tagtcattta tttacattgn gatgttggtc acctatttga	480
aggngcgtatg ttttgttatg aaaaaattca attgnaataa tactttatat cttcatt	537

<210> 2825
 <211> 746
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(746)

<223> n = A,T,C or G

<400> 2825

caagaagaag	ggtgaactgg	agaccctcgc	cgagtctgtg	ggactatcag	cgagtgagta	60
cctccgctcg	tctcatcctc	accaatcacc	atcatactgc	gcgtcttctg	tcgcacacca	120
acaacattac	gacacgtaca	tatacatcaa	gctgaaatct	acatttttga	gtaccttttt	180
tattttatatt	ttaattccaa	ttacacacac	tcttcacgac	tcctcaacat	gtctactcat	240
agatacaact	catggttaaa	gaccaagaag	aagggtgaac	tggagaccct	cgccgagtct	300
gtgggactat	caggcctcga	cggtttcaag	aaagacgacc	tcggtgtagc	tcttgacagc	360
tatctcacag	agaactcgtc	gcgctttatc	gccgatccag	acctcgctgg	ctacttcaac	420
agtcgttcca	aggctcaagg	atccccgata	aagaagggaag	tcttccgcga	agacagcgtc	480
aaggtagttc	gacgaaggcc	ctcaaagcct	gtggaagaag	aatcacttga	ttcgagtgc	540
agaagtgcga	ttgcttcttc	ttccctagct	acatctactg	ngcttgncga	gacttctggc	600
cgtacactgg	cgcangtcgc	gtngagcatt	acgcttcatg	cgctacctgn	gacttctggc	660
cgatgtaact	tttggttgt	gaaccgctca	accagcattg	tgcgccagcg	cgtntngtca	720
atgtccaagg	aaggnggatc	actgaa				746

<210> 2826

<211> 590

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 2826

aagaatcaat	gacagaggag	ttcgaggctt	tggatgaatg	gggctggaat	accaagggcg	60
agatccatgc	caacagttat	atacgagctc	gcttctttaa	gtcctatctc	ttgggacgaa	120
gtgatagaga	ttgcactttg	taatgacact	cacgtcacgc	ttgattatct	tgaaaacacc	180
aaggctcgag	taaaccagtt	tttcttcgag	atgccatcgc	atttgatttt	tgcctaccaa	240
aatcttgatg	acccgatct	tgatataaaa	gttctttact	tgagaatctt	gctctatttg	300
agccataaga	aggatatctt	cgtggtcgaa	cgactgttga	tccagcatgg	ggcgatcgat	360
gatggctctt	tgctgacaac	cagttttgat	ttaatcaagg	tcacagttgt	nctttgggat	420
acacaagaac	aaattcgctc	ctatgaagcg	aaattttgaa	tggctactaa	ttgcggttgc	480
tgtctctggg	ggcggcattc	tgtgtcnaga	attacttcgg	ccaactttct	ttggtgttca	540
ccctctgaat	cctgctcttt	caagatcaat	ttcntgcngc	aactcacatg		590

<210> 2827

<211> 596

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 2827

gctcgcatac	tgacccgcat	actacaatac	tgccgtgctc	catcctcgtg	catcgctccag	60
acattggacc	caagtctcgg	cgggttggtg	tacgactggg	ccgactcaaa	aagaagccca	120
ccccagtcaa	gtcaatgtct	cattgctggt	tataccgaaa	gaagatgcgc	ggttttttgg	180
caaagggagg	tgtgggctga	ctctgctgca	agatggaaca	cgggatgggt	tgtacagcaa	240
aatgccatgc	ccatggacga	catgagtgcg	aactgagaaa	tgagtgaact	caactcaact	300

caaccccatc	tcgttttctcc	ccatcccatc	catcctagtc	agttccatta	atccagccat	360
gagccggtcg	accgccggat	ggtatcaaag	accaaaaaag	ccacgtttac	aaattagagg	420
aaacaagcat	cctacgacat	gcaagatatg	ctgctatgac	ggtcaagaac	gggtttccta	480
gtccatttgc	tcgtctgtcc	attcacgttg	tcgtcaaaat	tgccgatcag	ggattggggc	540
tttgatgtgc	cctnctagaa	tcttttgnca	agagatttga	ttttctncga	gaggcc	596

<210> 2828

<211> 496

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 2828

atctgtat	ttt	attcccg	tgt	gtccgtc	caca	accan	atcct	ttttt	ngtnc	ttttc	ctcna	60
aaccctc	ttt	tcaacct	gna	tctactg	taa	acaanc	acat	ntcacc	atgg	acgcc	ataca	120
aaaacag	ttt	acccttc	ct	cccttg	gtct	tttcacc	att	ggggtg	anaa	tggttg	tnag	180
gacgcaa	caa	tttgggt	ttg	caggatg	gca	nttgga	caat	tacctg	atgc	caattac	tgg	240
tctcatc	ttc	actgccg	aaa	cggtagc	agc	atacctc	gtc	ggagcna	aat	tccaagg	ccct	300
tacaaat	ant	tacatg	acgg	atgagga	acg	nccaac	atcn	acatggg	cgg	anaaaa	acac	360
tacaatc	gtg	tctgggg	atc	caaaatc	aag	tcatag	gctg	gtccttt	tat	gctgtat	tct	420
ttggtgc	nc	aantttg	cgt	cactgct	tct	accccg	actc	acatcgg	gct	tgtccat	cta	480
agaatcg	tgt	catg	tc									496

<210> 2829

<211> 591

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 2829

cattatc	att	acaatca	ata	cgcccaaa	aag	gtgaac	cctgc	aacatg	ggtcg	gtgtc	cgaaa	60
accgcg	actg	gacaaat	atg	acaagata	act	ctcacg	gctc	tttgaga	aacc	tcgcc	ctctt	120
tcacatt	ctc	aaacgag	tag	atggccct	ca	cgctg	ccaat	gcttatg	ttc	ccgcc	actct	180
tcaagat	gct	aggcgta	ggt	tcttga	anaa	cctgag	cctt	atctgc	gatt	acagaaa	agg	240
gggagat	acc	acgactt	cca	tggtctc	tga	ggaca	agcan	aaaagt	gtcg	tggtc	tggat	300
tgcagca	aac	ttaactc	cga	atgataa	agt	tatatc	gttt	cttacc	gaag	tnctca	aatt	360
gctaaga	gag	gaacctaa	aag	agaccga	ggg	agagca	aaaaa	gttttg	aaaa	ataaa	actcg	420
aaagata	tgt	gccgag	tttg	ctgcnc	caag	actaaaa	aaaaa	gagtg	caagc	tgntca	caga	480
gcttcaa	aac	ctgngag	aaa	gtcctca	agt	tagata	actga	cacag	ttcaa	cagcct	ggaa	540
aaaacnc	att	gttgaag	ngg	ntgtcta	aatt	ttnat	tttcc	canaa	ctgga	t		591

<210> 2830

<211> 302

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(302)

<223> n = A,T,C or G

<400> 2830

<223> n = A,T,C or G

<400> 2836
nctatccgca ncggtganatc cgatcgnaaa gaggtcgcac gttccttcna aacgtcgttt 60
nnctacaaag ctatgacttn ctattaccta nccttaggmn tgccttcnng tcggtccgan 120
aaggaggcaa ggccc 135

<210> 2837
<211> 321
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A,T,C or G

<400> 2837
ctgcgacaaa tgcgaccaga catgaccag cagcagtatc aaatgatgcg aatgcaaaac 60
ggtggcatgg ctatgaacat gaagcagggc aaccttgccc gcgctgccat ggccaacaac 120
caaaacaacc ctcaaagtat gctacagcag gccaagcaga accagatgca gcgagatcct 180
tccggcatgg acggncaaaa cagaccttca taccggnttc tggggagaac gntcctnccg 240
aagcgacaac gcattgacgg gcgcttttaa ccataaccag cctggttgat gatgccaang 300
gccgccaat gcctaacaaa t 321

<210> 2838
<211> 559
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G

<400> 2838
cgatgatccg gaagaagcca gcgttatggg ctctgaggac ttgagtccgg attacaatat 60
cgatctttta attccatcag acgcttcgaa ccgatctatc gaggatcacc aacctgatcc 120
agttcacatc tttagactct ggcagttatt cgttgaccgc gtcaatcctc tgaccaagat 180
catccatgtc ccgtccgtcc agccatttgc tttggagatg gctaccgatg tgaacaagat 240
tccactcaac taccaggccc taatgtttgc catcttcacc atggcgacag tatctctaac 300
cgaaaccgaa tgtcttcaga tgctggggac taccgcgcac caagctttac gaaagtatac 360
tattgggacc aagctggcac tgacaaagtt caactttttg aaaaactacg atatgggtggc 420
gctgaagcgc tgctgctgga tttgctgctc ttcaaaaccg ntacgaccgc catgctgcgt 480
ggatctgagc ggcatgggtt ggaaaaatgn ttaaaagatg gctaccatcg ggacggggat 540
atttangact aacgctttc 559

<210> 2839
<211> 615
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 2839
gtaccttttt atgacttgca ttccccatctt cttcttttctt tcctctaata tgaactgacc 60
tgacctacat tcaatcaaca tcaccacata tacacttaca agttacacca caaaataccg 120

ccattatgcc	gactatgctt	ggtctcacca	acgaccgctc	tactaacggt	ctcaatgcc	180
acgagagcaa	gttcgggggt	ccctctagcc	aaaggggaat	ggaactcacc	cctagtcaac	240
aaaatggcag	catcgtttct	ggcattcaag	gatccgattt	cttcaacgga	ggcggcaagc	300
agcaagagca	cgacccggat	gaagaatcag	acgaggagaa	cctcaagaca	atcaagggtc	360
gcaacctntt	cgctgtcaan	gagatggaga	ctctctntgg	cgcgcgctct	gcgacaagcc	420
caagacggcc	tnaagtacat	nggcaaggac	gccgtatgtc	caaccnttct	ntttggggac	480
ccacgctttg	aacggcgact	ctgncctntt	tggagaaaag	tcagcctgga	aaagggtnnc	540
tacaaaagcc	gacttanccn	tcaaaagggt	tatgggtccc	tttgatcaag	ganccttttc	600
gcagttntca	gggac					615

<210> 2840

<211> 628

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 2840

ctggtttcta	gatctcgctg	agctggcacc	gaagagccgg	atgacggtag	aacatcatcg	60
cttctcctaa	gaactagacg	tgcaggcacg	gaagagcctg	atgaaggccg	aagaacctct	120
ttgtttgtcc	gtaaccgtag	aaacacggtc	ggtgaagata	gtgaagacga	atcaaaattc	180
cgaggacctt	ctcgcatccg	tactgatctc	aacacgatcc	gagttgtacc	gcaagagcaa	240
acgccacagc	cagcagagaa	tacatcagcc	atcccacgac	ggcggtagct	ttcctcgact	300
atcgggacct	cgcctggca	acaccttccg	tcaacacagc	aaccctcca	cggagatata	360
tggagaggtc	tacgcancan	gaccaangtc	caccgcggnc	gataggggtg	gcgaagagcg	420
tgcaaacgt	tacacgtntn	tagggcagac	gacatgggtc	acagaactgg	caggatgatt	480
agaagaccta	acgggagagt	ttgnngaagc	aatcctnttc	aagttgcggc	aacttccggn	540
gatggtatta	aaatattcat	tgnttacgat	ggacaacccc	tnttatgttt	nggencagcc	600
ggnttattgg	ccnattttgt	tcgacgga				628

<210> 2841

<211> 232

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(232)

<223> n = A,T,C or G

<400> 2841

ctcgacgttc	atgaaacaac	agcttatcgg	cccttaatca	gaggtttgcc	gccacgacga	60
ctctacatcc	atcctgacga	ccagattgct	gctttggaac	gtgagaagac	tacaggcgag	120
cccttggatc	agactccaga	gcttgaatgg	gtgctagcag	tgcaccctga	ggagaaatgg	180
gccatcaaaa	gcattttcca	aaggcttcgn	attttttcgn	gcnccaaggg	cc	232

<210> 2842

<211> 504

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(504)

<223> n = A,T,C or G

<400> 2842

ctacccgaaa	cctgccatac	agcctgatac	cgatccagcg	cattcacata	ttgtgcattt	60
ctaccactta	cactagggga	tgtaagctgt	aggtttccgc	accggtccgg	atggccgcat	120
tacaccgagc	cggaggacta	ccatggcggc	agatcaaaat	ggatctagaa	gtggatttca	180
cgattgaccg	aagaggggtc	cggtatggag	tttcgaccgc	aacaacacca	acaataacct	240
tgacgatgag	ctggctagag	acagagacat	gatgctggtc	tagtcaatgc	accagggaat	300
aganttgang	acagggccgt	ttgtggctct	gtcttgtctc	acttcgctcg	cggancaact	360
gccgtcgatc	tcgaatggac	ttgacagcaa	taaccttgac	gatgaattgg	ccaaagtcna	420
atcnaatgtt	gatttataaa	aatcctctgc	agggatactc	gttgttgtct	cntatcanaa	480
caattgattg	anttgaatgg	agaa				504

<210> 2843

<211> 1116

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(1116)

<223> n = A,T,C or G

<400> 2843

gcaaactcgg	agatttgtcg	ctggatactc	cattggcaag	aagacaacaa	gagcttgagg	60
atatggctcg	tgattctgat	gctgcgcgcg	ctctgcaaga	gcttcagaaa	ctacaacgcc	120
tcggccctag	aaatggcaca	aagcgaaacc	gaactgcctc	tatggacaac	tgtctccagg	180
anaatgttcg	cgagatgctc	ggtggtcggt	actctattca	gagacctacc	tggcctaata	240
cgttggttcg	tactcgaagt	attacctccg	agtccaacct	tcagggtccc	tccgaactan	300
cctgccaggc	actggcaagc	gaatgtgttg	ttctgctgaa	gccgcacagg	gctacgaatt	360
ttcgtctgtc	cactcctgcc	tcggcattcg	gggaactggg	atgtnggaag	gtatcttgaa	420
ctaagcccat	cgtacctcgt	tggtcgcctt	aattttcttg	atcaactcga	taccccgctc	480
actancgaca	aactaacatc	cttaccacaa	tgttgaagaa	ttaatgttga	atcaataaca	540
ttttctatgt	caaatattga	actgggggtg	ctggcaagca	aggaatcttt	tgctaaaagg	600
ccttggtatc	cacccatctt	gatgacttga	caaagtgcgc	ggaaagcact	ttgtaggtgt	660
tgagattcgg	ccaaaaagcg	tggttcattta	cgtgcctctc	taggatcgat	cacgagggag	720
agggagacgg	cgggtgaacgt	cttggttttat	cagagggaagt	gaagagatga	cgattgcaac	780
ttttgtatga	ctaggatgtc	actgcatttt	tgttttgctt	gtacattgtg	cttttatata	840
gcgttggtta	ctcgtttcgt	cactgcagtc	tttcgcgaga	gatgagggac	gatccagaga	900
ggtatggagg	agaaacggat	agtacaaggg	gagcaatggg	tttaatttgc	tgccaaaacc	960
tacagatgaa	caccacgaan	ggacacaact	tggccgctcg	gtgttgcttc	tgtgagggaa	1020
tgggttttgc	atcaaattga	gtcccgatct	gccctttcta	caatcaagat	accaaagccc	1080
cncatnatgt	cttgaganac	acacccaaac	ttgaat			1116

<210> 2844

<211> 413

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(413)

<223> n = A,T,C or G

<400> 2844

ntatcacatc	ttttctttnt	nacgacttga	gacgattctn	acggaatatt	cgaacaacat	60
tcaagggcat	ggaacgatgc	agctacaaac	acgagctgct	ttgaatnttg	atataacgat	120
tcaacaatcc	cgatgtattt	ttcagctctt	gaaagctgtn	tttaggttagc	tggtttttgt	180
gtactttgtg	cgcaaataaa	aaaaggtggt	aagaagcatt	tntcattgct	cttgnngcatg	240
caatgggttg	gacaaagatg	atttgcacga	aaggtggatt	tgtaacatan	ntgaggtagg	300
tgctaagcag	aacacgagct	gaagcgggat	ccnaatcagt	gacttgctct	attttctnct	360
gcaagaagtt	cntgcttaca	gttttactca	ancaaaaagaa	tnacnttgcc	cac	413

<210> 2845
 <211> 816
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(816)
 <223> n = A,T,C or G

```
<400> 2845
gccttaatgg gggaaacatt gcctcttgcc atggatttat aatctttcaa tgcctttgtt      60
cttcctgaat gtttaaaagt taattgtgcc tcctccttaa tgcaatgtct cttcgcaaag     120
gaagtgtata ggcattctct tatcttcgtc agatggatac agaaacaagg gttcagcttt     180
ggctaaacgc acatttttgag cagcaacatg gagctgcaat aataaaaaat gctgtgcctg     240
ctgtcaaaac acaagcaaga ttcacctgtg gggtggagtc agcacctgag cagcaaccag     300
tttcccacaa cgtcgttgat aaacctggcg acgttgctga ccatgattgt ccaacagaag     360
aagagctctt ggagatagtc attcatcaca tctttccaca ttccattctt cgacctggtc     420
ggaggcttct aatacgtac  cttcggggaac agaccggcca taaagccaat tcgttcaaac     480
ccttcacttc gaggtcatta cccgacttgc cctttatgct cttcagcact tttaccactg     540
gtaaatttcg atttggactt tggaccagct attgctggga ttccacttct ggnggctaata     600
gatatgggaa ccgcacgggg tctgatgtca tataccgatt cctatgccga gatcttgaan     660
ggactcgaat ggatnngcgg gtcttatgna aaggagtatc cacatcctcc cccgatgaat     720
aattccccgt tntgtnacag gacttcggcg aagtattgcc gggggcnacc ggcaaatnaa     780
tgaccaagga acnctnnggg atntttntt ttctta                                816
```

<210> 2846
 <211> 102
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(102)
 <223> n = A,T,C or G

```
<400> 2846
ntgttctaag gaangccttg gatacanttt gagnctcaga atccattgaa nctntgcaag      60
gcaccngagg ccctanatca tganatcgcg tggattgatg tg                                102
```

<210> 2847
 <211> 284
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(284)
 <223> n = A,T,C or G

```
<400> 2847
ncnccgaagn ggtttttttg aancattttg gccttntgaa natttttaggc cccaanaaat      60
ccggaggngg cgagcaacca tggagtgtgg ctataagggtc ataccgaag tggcaaaagg     120
agatggctcc ttaggaatgc ttntaggtatc catcttnttt ggtcaacgac agcgaaccgt     180
tggggggagc ccttgaccaa ctgatcgtat ccaaaagtgt attnttncca ccactttttt     240
atcgngngnc tgtgaatccc ccgatagtga tcttaaaatc accg                                284
```

<210> 2848
 <211> 295
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 2848

tcttgacagg	aatttacaaa	agaattttct	cttattccta	taccccagcc	attatacaca	60
agggtcaat	tgtgtcattt	gtcaaggcgc	atttgtgtga	gtgggtttcc	catttgtaac	120
cgaagcctct	gacttttttg	ttaaagccgc	aagggaanaa	aaaaaggcac	cgaccgagga	180
tctggaaaac	cgctaaaatg	cttctttgaa	aaccttgatt	tagtggcccc	tnttctagtt	240
accgcacaga	aaaagaaaac	ccacaacgac	gaggcacagt	ttcnatgttg	cgcac	295

<210> 2849

<211> 136

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(136)

<223> n = A,T,C or G

<400> 2849

nnacacagaa	gaaggggaga	ccaccggacc	ccgcgagncg	canggggacg	cggaaggacn	60
ngcgaaaagn	cccnaggcca	nagggggcac	ggnnggggca	aaaggggnnc	cccaccaccc	120
aancgcnggg	ggggcc					136

<210> 2850

<211> 212

<212> DNA

<213> Fusarium venenatum

<400> 2850

ccaacgttgg	gggcattgat	accattttac	aaagatatcc	tgttttgatg	acccggatta	60
cgagaacagt	cctgattccc	aaacctccca	tggaatttca	cggcatctca	acaattgacg	120
acgaattacg	atttgtttct	gtttttgctg	gaatcatttg	aacacctttt	caagactcac	180
gatcttcatg	caattttatc	taaatttcaa	cg			212

<210> 2851

<211> 628

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 2851

tgccaccaca	tgccgccggcg	catttccgtc	tcgaaagcgt	tgagtacaga	gatctggtag	60
acactctgga	gcaaaatcta	ttggacgtgg	aggctcncta	tatcgacca	actgctggaa	120
acgtacacat	tgtgtccctc	agtgttcgcc	caatgatttg	cagcaagaat	gagggagata	180
ttggtgccta	tgagagaaca	gcccagagtgg	gcaaaactggg	gagattcgcg	acaaaaagga	240
caacctcttc	aagatcgtct	tgatgaacaa	cgaacacagt	acccgatgcg	tatggtatca	300
tggacgagac	gggattcctt	tggttcatga	agttccattt	ccaggctcgac	atcttttccg	360
tcatgacaaa	gcagctttgc	caccgaccga	gaggttcctt	tgccgcccgt	gcttgggaaca	420
tggtcgagaa	gatctacat	tatcaccttg	aactcctgga	tatgacccaa	aaaaccaact	480
ttttacaagc	tcaagcagtt	ttgaaggctt	ggcacaaccc	gtgaacaagc	acacagagaa	540

gacggccaga tntctanaaac accaaacttt atttattcgc atacganacg ttttagcgag 600
cgacgtccga actactgaat ntttggcg 628

<210> 2852
<211> 216
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 2852
nactcngagn ggaactcntt cgagggtcgt ggacatcgct gtatctcgan tcaagcagct 60
tntgatctgg acggcaacna cccgcctccg gatgggtgtca tcgctttgat ctcagacctc 120
ctcggtcggt gcatcgacng cttgttggcg cctggaggat ggttgctnaa cgacaccatc 180
tcaggcgaca aatnctgagg ctggcgatct actgac 216

<210> 2853
<211> 138
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

<400> 2853
ntgcttnatt aattggttta ttnttcngga ggaaataata atngacnct ttgnttgggg 60
ctnnccgggt taannaacta attaaangcc tttnggnact tgnganttta cgnttcncac 120
ccttcnggac atgaatga 138

<210> 2854
<211> 478
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 2854
ctttttcatt ttcaaccggc atcctttcat ttctgtcgct acctccttcg ttaaagcttc 60
ctgctggggc tttgcatatc gtattcccta acaacatgaa atattcgtgt gttcgtatct 120
gaaatcggtc acgaccagcg ttcatcacccg tgaccatcaa agccactgct gttgctcaaa 180
agtaaataca catacataca taatggccga cacagaagag ccccgattca acaccttggc 240
cgagcgcatt gctgctctca acaaacaaaa gagctttgcc aacgctcaaa gcccaagccc 300
aggctcctgga ccagttcgca agcgaccgca ccaccttctt ctccgttcgt ncaactattg 360
aagggcggag tcaaacagtc cagtaatatc gactacttca agncgcgcag aataatccat 420
caatccttct ngncctcga gaaagngtaa caccacaact cacagggaaa antggcaa 478

<210> 2855
<211> 581
<212> DNA
<213> Fusarium venenatum

<220>

[illegible]

```
<210> 2856
<211> 548
<212> DNA
<213> Fusarium venenatum
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```
<210> 2857
<211> 213
<212> DNA
<213> Fusarium venenatum
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<400> 2857							
gttnaatgcc	cacagcatct	nttgctatgg	gagccatgat	gggtggtgct	gctattttcg	60	
ttaatatgta	atatcgcncc	cgattgagtt	gtgagcatct	agaagtaata	canaccaata	120	
atgttgtggn	ccngnccctca	ttttcgaatt	gcgtgtgatg	tagagacaac	gggtaaagac	180	
aatgacaaqt	tqaatggata	gctttgtgag	tcg			213	

```
<220>  
<221> misc_feature  
<222> (1)...(113)  
<223> n = A,T,C or G
```

- 1058 -

nggcattcca	attgcggttt	tcaaataaca	acanaacacg	cgcgnatgan	acggctcttag	60
anataccttc	antcatatta	tctggggagn	cggaagaga	ctgctngatt	gga	113

<210> 2859
 <211> 471
 <212> DNA
 <213> Fusarium venenatum

<400> 2859	
cgtgatagca	gtctcttggga agcgtactag atcgagttga agaagaagaa gaaaggaaaa 60
tcataactga	gggcggggac aaaattttatg aggtgctcat tactgttttg aaaggaagga 120
aagcacgctg	gtcaaggaag gaaagcattg tggtcgaagg aaggaaagca ttgtggtcga 180
aggaagggaag	gaaagaaagc gcgctggctg gatgaaggac tgaaagctgc gcgtttcagc 240
ggctcaaatg	taagtggcag tctcgaaatg atgttcgatg gtgatggtaa ctggctcgtt 300
gaacctcatg	gtagctgcat acagtgggtac actgcgatca aatggggccaa cggttggttat 360
gagacgcaac	gtaactcaat aaccaaataca cgacattaag tgccaactat tgggaacaga 420
catttattag	caagaaaaca aagaataaaa gattggacga gttttttttt t 471

<210> 2860
 <211> 634
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 2860	
cgaacgtttc	ctttcaagct cgccggaacc tatggcatca tctgccccaa gatacgtcac 60
ttcggcaggc	ggtanaanaa gatcgctgat acttgagtcg tcgggaatgt cgggtgccga 120
actcgcgtca	cattccgatc tttccgacag cgaagctttc cgctctcacg attcttcctt 180
tgacagtctt	actgccaagt caccgcgtaa cattcctacc gccgcgcgac caggccaggg 240
aatccgctcg	acaagccaaa taagtgtatc caatgttgaa caggaccctg atcgtgtaat 300
ttggcaaggt	cggtcttacc ttttgcgtca tcgcagaggt atgcgccaat ggaaggacat 360
gtgggccgtt	cttcgaccac gcaaccttat tctctacaag gacgaagtct gaatatacag 420
ccagatggat	actgccaatg tctgccgttg tcaatgtcgc caccttgatc ctnttancaa 480
gagcaaaaaa	cattgcttca gggtattacc gaggagaaaa ctntcgnntt tgcgcacacc 540
aaaaaaaaaa	cttttggtcg ctgtattggn gcctnaaaaa gentgtctgc caaacgttcn 600
naacttgang	ctcgcgctgc cgncacanat cana 634

<210> 2861
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 2861	
gtcacgcccc	aagcgacaac tcggcgctga cagcttcaat ccaactcaatg agctgctaaa 60
gcctgcgaat	cccttctata aatccccgca gctcatTTTT cgccatgcag aaagctcgcc 120
aagcgggtcg	cccaggcccc ggcgcaggcc ggcaaacgag ccgaaaaggc gccnaaagcg 180
aacagaccaa	ctataaactt cgaaaccgac aggccattcg agcggctgtc tctgangtcc 240
gacagaatct	tcaggatgcy cgccgtgctc cacanganga ttgggaattg ggtcctatcg 300
ccccaaaacy	tgatctggga ttcaatggtt atggcatggt cactgaaggc gtncgaacgg 360
attggtccaa	ctacgggctc tacagccctc gacctgagat attgatnaaa cgatgtncct 420
gggctggtgg	tgtgaaacaa cttaaccttg ctgtttctga acnaatggtt atcatggatg 480

gtccncacaa gggaaanatt gatcgntcn agtctatcna cctccacgcc gggngtgtn 540
ctcttttaaaa cacaaccngg ctatctctgc ngg 573

<210> 2862
<211> 578
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 2862
aaaatncagt cgaatgagaa agaataatcng caagagatgt gagctcttgt ttgttcactt 60
caatgccgct gcatccccct gttatagggtg tnaccgggat atgacgntag gtgacgtaaa 120
tcgggggttga cagcgctgat gcaacacgcg acagggttcag gaacgacttc ggctccactg 180
aatcgagaaa atatcaagga aatagtggca tctcctgcta tttttatttc cttgacttga 240
ttctttcata caaatgaaac acgtacgctg gcttgngtg ccgaacgccn atatttcgaa 300
tctcgtcgtc ntcggtcagc cttctacnan atgatcgcaa nnggagagct accngaantt 360
aatgggttaa taatccggcc ctgganttat atggattgca gtagatatac nngagaatat 420
tctttgaaag gaacatgcag taagtactct gcctgtctc agctcagagt aatagagatg 480
aaattagtggt gtcagtttat gctattccan aacatangtg cggttcactt ttgtgcccc 540
aaagttnggc tcaactnacc cacancacag ggnaaaaan 578

<210> 2863
<211> 114
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(114)
<223> n = A,T,C or G

<400> 2863
ncagaanttg ctgcaggaag acatttagac actggcaaaa agagctnatc tttcctgggg 60
ggcntgaaag gcanagacng atangttgtt tttttcccc tggnacagaa aaaa 114

<210> 2864
<211> 629
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 2864
atcatctttg aatcaagatc gcgtgcaaca tctgaaatgt ggnggggaaa gtcaaaagat 60
cccaagccgg aanacaagag cgaggcagct canatcaaag acgctgtagc tganaagctc 120
ccctcaaaag agcaaattct caacaaagta caggaatctg tcaaccaaac cggcaagaac 180
ggaaatgtct tgaacgacat ggctgagggc tacggccctg attcaaccga ttccaatatt 240
cgatatgcag cctatgccac tcgaatccga acgattcttc tctcggcgca tcgatatgtc 300
gcttacacct ccgatatagg cgagtcgttt aggcgggttg ctcaccgaa cctcgtccgt 360
ggtgcctacg gtgtatcttg gttgncctta ttggtgatgt ctcgtacgaa ggctacaagt 420
catactggca caatcagngg gtgtttgaac cccaagctgc aactcaacc cccgtcaaaa 480
aaaagnact ggtctgcctg cccttgaaac acgtgcggnc caaccggga cgggggcacc 540
acttcnatga ttaccccncc cgttatggtc aancgcgcaa tntttcanaa gtgncgcaag 600

tttgggacca ccccgttttt acnaattna

629

<210> 2865
<211> 122
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(122)
<223> n = A,T,C or G

<400> 2865
nttcagtgga ctgtttgacc gngncgacat agaggtgccca ccancgtnc tttggtnaaca 60
caaaaattan cccattggta nggntgacgc ttgacacaac gncnccttg ggatcanggc 120
cc 122

<210> 2866
<211> 136
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(136)
<223> n = A,T,C or G

<400> 2866
nacgnagcaa tnaccggggg gtgnaccntc tcaggcggtc tgggtcggna ncgttacaga 60
ntttggtatt tggacccttc aagcccggan gaccggctg gtttcatgga ttccaacaat 120
aaggaggcaa nctttc 136

<210> 2867
<211> 121
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G

<400> 2867
ngggggaann aaaaaagncc cccggggganc naaccggggg gggcaaaaag ggggaaaaaa 60
accggggcca aaaaccccn aaaggccngg ggncggcccc cgnaangggg gaanaagggg 120
g 121

<210> 2868
<211> 108
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(108)
<223> n = A,T,C or G

<400> 2868
nacaccccca cgaccanacc cnaggaccac gagcacacaa cnacgnggag acgacaacnc 60
aggangcgac gagaaagagg agacnacacg acacaccacn ccacgaga 108

<210> 2869
 <211> 442
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 2869	
caacatccgg aaaccatcca agatcctcaa ctgtgcggtt ttgccaatct gcatagcagg	60
cgcacactcg caatgcccta aanaacaaaa gtctattcgt gcctnggcgg ggtttatata	120
tgacgagatt cggtttgctg ctgttcacgc ggtaatcgcg gtgttggaag atgtttggaa	180
gcgancgctt aatgaggaga tgacttggaa tgagatgttt gtgaacttga atgaccagnc	240
acttgtgcta tgagattggg ttgtgtgtat gcatttgtaa atgaactgga tggagtttgg	300
atttttgtct tcgattgggc gtcagtatgg taacggngaa atgagaggtc tttttttagc	360
tgnagcaagg actttntgta ttgaaggcac ttcaatcata gtctcaacta tgaattactc	420
ataatccnaa tatcctcaca at	442

<210> 2870
 <211> 444
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = A,T,C or G

<400> 2870	
ggtcttcacc ccgtcacaag tctacttcca gtgtcaaaca ttgcattgcc acgaatcgat	60
atctttccct ctacgaacac aaccaccct caacttggc cgagtctttc canacaatgc	120
tattagcaac cgtgcbgagca cctacaagaa cattgccagc ggntatttca gccgggaatt	180
caccattcca naagaccgtt tagacgcttt taggggtatt acggaccact atgctcactt	240
agatgaccc ctggacagtc ttcttggcct tccgctctat cataccaagg acttcaagaa	300
cctgccaaat tctaaccgga cagaccgttt gccgttggct cggntgggtc taccatcctn	360
caaganatgc tgatttatcg ncgcatctnt gcagcgccaa ggccattccc tnattganct	420
ggctcggtgg aaaattccac cttg	444

<210> 2871
 <211> 118
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(118)
 <223> n = A,T,C or G

<400> 2871	
ncccaaccag gggcccnngc cggggaccaa gggggnccgg aagaacccaa nctccggggg	60
acgaggacac ccggnnggagg gggggaaacg ggcncngggg gccaaacngg ggaagccc	118

<210> 2872
 <211> 586
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

<400> 2872
 cgctcgcat gtttcgctca gcccgctgtc tgccgctgaa actcctgctt caaccggatc 60
 gatctgctgt agaacggctg agctcagttt caatgccgac gatgccccag gctcatcacc 120
 aactgctgcc gccgtgcttc cttccacatc cacttcgaca ccactgatat tcgaaatgcg 180
 gcatcttata cttatgcac acctcgacac cgttggtgctg aaggacccgt tcttggcgcc 240
 tgagtcggat gaccgcgggc caattaacat ctccaaggcc atcgtggaat cagccgagac 300
 agtcccttac ttggtgatag angcccttgc aatatcatcg gctcatctta gcactaccca 360
 aactgatcct gctgaacgga tgaagtactt ccaggcgggc gaagaacttc aaactcaagc 420
 actgagtctt ttcaatcaat cccagggtcca agttaccaag ganaactgcg ttaccaatat 480
 ttcttttctc atccttgctg ggtatgcacg ccctgtttta tgtcagcaat gccggaacga 540
 atcaattcat tgccaaattc gttcaatatc tgcagggtcca tcgaag 586

<210> 2873
 <211> 126
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(126)
 <223> n = A,T,C or G

<400> 2873
 ccgattttgga gaggcagacc aaacaagtta aggccgattg tgatgcctgg aagaagcgtg 60
 ccggtgagct gganganag gtcaaggagc ttaaggatcg cccacntgct gagccagtcc 120
 aagata 126

<210> 2874
 <211> 458
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = A,T,C or G

<400> 2874
 ctcgaccgac tgcgatactc gctccatacc gaattttctg tctacaacct gctatgggaa 60
 cctgcttttt tgttacgcca taatgggagc ttgcgcatca tgtttgggac gggctgatgg 120
 caacagctac gatgaggagg aagagagtcg cctactttac gatgaggcaa atggaatgca 180
 atacggcagc tttggagacc aagccataaa tggcgagaac gataccctcg aagcccaacg 240
 cgagaacgag gcattacaac gagtaatagc caaaacatca gataacatgg tagacatctt 300
 cgatatcgcg cctcaagaga atggaaatcg tggaaccaca acccccttcg cctatgctgg 360
 ccaaggngca ccgtnttgcc cgataaccagc atnttgnngc aaagctcggg aaccagggcg 420
 acaaacactnc tggttaacggc gtcaagggtg actggctg 458

<210> 2875
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)

<223> n = A,T,C or G

<400> 2875
gaaaaacctc agccgtacga cccttactgg tacaatagtt cagcaaaacta ctgggagctt 60
gcgcgtgtga cgtgtgaccc taacgctccg tcgcgcaatg tccaacaagt ctcagacttt 120
aaagctcctg tcgagtaccc atcgaactgg agccccgaat atgcgtacag aggggtatata 180
aagaattgga ccgcctccca agatccttgc caacagccac atctgcgtca gatgcacggg 240
agttttgttg cacccttag cttgtcaact tctaccgaat tgatcccatt gttcggcgga 300
tccaagctcc caatgaacaa cgagattttg attcctgggtg ccatgtatct cacggctgat 360
gagttttact ctggaggaga caagatgggc ccagcatggc atgccaagaa gacaggtatc 420
gtgtggaagg gcgatgcgtc tgggtggtgag ccgaaggctg acgtttggca ccgcttccat 480
cgtcaccgtc ttatgcagat gctaaacggt tcatatgtcg acagtgtcga ncatgaaggc 540
gtgaaaccga aaactttcca ctaccagacc agaacactac aacagcac 588

<210> 2876

<211> 579

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(579)

<223> n = A,T,C or G

<400> 2876
tgaaattctt gaccttgaat tgtccgtctg tgacaagact atcctaaaag catatgtata 60
taaaactcacg aaaccaacta ccacttccaa atagcacaaa aaccagttt caaccaactc 120
tattagaaca tatataatcc gaattcaaca ataagtcctc ccaataccgc tacaatggga 180
agaattgata tggaactcga actcaccggc ctagccactc tggcttctaa gctcaacctc 240
gactgtccgg agtctttcga gaatccaaga agcattgctc gctatcaaga ataccctttt 300
gctcgtttta accacgacga ggatcagcct gatgtcattg acaagaacag tgtcgagtat 360
cgtgtacgcc tcgctaaggn nattcgctc tcgacaatgc ctacgaaaag acttcacgaa 420
gtaccaagcc cgcangntg cttcantgga aaactggagg aaacaacagc natgtggacc 480
cgtttntntc gaccaaccta caagagtcnc catcgnggna caaaaaaacc gggttttgacc 540
gataannttt atgancattt ggaaggaacc cccactcag 579

<210> 2877

<211> 156

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(156)

<223> n = A,T,C or G

<400> 2877
ntgaccaaat ggatnccttt cctattttang ttggggcntt aaaaaagaat atgaaacctt 60
gggttggttg tgntggtaaa aattgggccc ttnaggcact tggttaactt gatanccgtg 120
actttnggtt tntgaaagnt tgaaaccnat ttttat 156

<210> 2878

<211> 1112

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1112)

<223> n = A,T,C or G

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<400> 2879
nngccggcgg  gnctggctta  cagtaatagt  caatatatcn  tnaggggtacc  taatagaacg  60
gattggaggc  gcnctgtggn  ggcccccttt  ttactctnaa  tcaggacatc  attggtgtgg  120
gggagaaaata  aagccaccaa  ccgnttccaa  tcttcaattc  aaattgccac  aagatgccat  180
caccgaacga  atagaaccac  atgatgggnt  ctggaattta  atcncnggtag  aagaaaatgg  240
aaaaatcatg  qatcattata  qtccgttaaa  aaa  273
```

```
<400> 2880
natntaaacc ncntggcct attgnacgat taaagtcgga anaagnttcc nccgaatttg      60
ccccggggcgn cnattcgggt ntgaaagatg aagcgtgttg nctaccatt gggcaa      116
```

- 1065 -

<222> (1)...(189)
 <223> n = A,T,C or G

<400> 2881
 naaancggtg gacncggaat tggatttttcg accaacggtt gnaggcgagg gactgaatcc 60
 ntgtcattan ccgggtccaa attagaagag atttagangg caggatttca cccacaacgt 120
 tccccatct ccttggctcg aggtccagac agtttgatcc tttgagttag cacctaccta 180
 ctgcgttgc 189

<210> 2882
 <211> 437
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 2882
 aatttcacag cgacaaccgc cgccatgggt acgtgaagat attgaagtcc agcctctgta 60
 tgcgagtaga ggaggtgtgc gcttctgtgc ctctttttct gcgaccaatg caccatcttg 120
 ttcgcgaaag cgcaagacag agttgctatt ttttgagcat gcttgaacaa aaaggctgac 180
 gatggcttca ccctacaggt atcgatctcg accgccacca cgttnaaggc acttcacccg 240
 gactgcccc aagagcgaca atggtctacc ttcaagctct tggnggaagc tttaccggg 300
 ttntctggctt cggccgaaac cgatgccttn ttttcaaaca angggtngtt tctttcgacc 360
 ggtctggttt tactttccna agaatcaaac ccgaaccttc ccggtnttcc nttggtntcc 420
 ggtnattnngg tcggccc 437

<210> 2883
 <211> 361
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 2883
 catcaccacc gcgagctccg tacacgaggt agagcaaacc tgtggctgtc ttttaagttt 60
 aaccgttatt atctctccgc gaccggattc acaaggctgc gccgcgcctc ttctcttggc 120
 tgcgaaatct ccttgacttt gatccgcgcc tttgcgatag catattccac ttttaactctt 180
 ccacgcgcac acgcgattct tcgctaccta cttcctttta cctcagtcac gcacgcctat 240
 cgtgcttntt tccacaaacc cgagacggcc gagcaaaaca tcaatcgta accgcttacc 300
 acgaatgacg tttgcgcaat ctcgtgcgga attgttaata aatcacaaat ttactctcca 360
 g 361

<210> 2884
 <211> 868
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(868)
 <223> n = A,T,C or G

<400> 2884
 ncaagaaaac acggcanttg cttaaaccta caggtntccc aaatttaaac caggaaatta 60

atccgtgcct	acttctgccc	ctgggtctccc	gaaccgaaca	ggaagcggga	naattgccag	120
gttggttttaa	tatcggacta	tctcatagcc	tggaaagcta	tgaaccttga	aaaccactgg	180
ttgaaaaaac	ttggctggga	aagcctgatg	atgttccgtg	agctatgtnc	aacagcaaaag	240
cgtgagacct	gtgtttttacg	gttccacact	tactgcaata	tctatgtctg	gacagcgaag	300
aagcctggcc	agccacagta	aaaccgtggc	tttggttcag	aagaaattgc	caacacaggg	360
cacaaatata	gggcataatct	ccatgaagct	catgaacacc	gtatgaaatc	catcaaggca	420
gggggttagac	atggccttgt	tottcaattc	tttgccaggg	tagttgtaag	cccaaaccgg	480
ccccgggcaa	gatggcgtgg	ttacaggcgc	ggtagcaaac	cacaccctgg	cgattcctaa	540
atgataccac	gattttccaa	gcattttaca	gtgcttctct	cttctcatcc	gttggcggtc	600
cctcgagttt	caagagacgc	ttctccttaa	aatgagtgtg	gcactgacgg	ctagcgacaa	660
agatcctagt	tggatcacc	aacagcgggg	ttttgatcac	atcaacatgt	caaccattat	720
gaaaaagcct	gtcgatcggg	cgaatttatc	tgaacgctag	acactagtca	ccaggtcaaa	780
atcgtttgcc	aanggggaaca	atttcaaaaac	gcgtttattg	gcaacgctcc	attatggtta	840
ccgcgcgggt	tgaaaaaaa	acactgtt				868

<210> 2885

<211> 529

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(529)

<223> n = A,T,C or G

<400> 2885

gttatcttga	ctgggagttg	gtgaagatgc	tgatgttata	accgtgtcgc	ccatgttcaa	60
tcctatcaac	agcaattggg	ttatcgccaa	ccaggttttg	ggctacaacg	attcaaccca	120
taagtctcag	gatattcccc	gacgtaccac	catcgtcaca	cagtctcgtg	tatcaaagag	180
ctactaaaca	tcatgcatgt	tgagaatgtc	cgtggcaatc	atgttgcttc	agaaatgaca	240
ccgcaaacag	tggcccttct	gcattggcctc	aaggcagtat	atgctcctca	tcctgttttc	300
atggaccgtg	actgggatgg	aaaattcctg	aacaaatggt	tcaccctggc	gaanaacggt	360
gaatgtggtg	gccgcggtac	cccattgggt	ggggccgaaa	cgcaaaacat	tgggtcaacct	420
gttactaccg	gcaatacccc	accgactttc	acactggaat	ggctgcaana	acagggcatt	480
ggttggcctaa	ttggaaaaaa	acatgaactt	catgctgctc	cggtttctc		529

<210> 2886

<211> 479

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 2886

agaggaagct	tcgtcgggtg	cgccgctctg	agagaccctg	acaccaatca	cagtgccaca	60
agtctcgaca	accggggcaac	aagcatgcga	gacgttgcac	ttgccggccg	tggcaciaaat	120
ggcgagtcga	gcgaccgtga	catactacat	gattcacgtg	gtgtgagtc	tgtaagtagt	180
gactcggatg	atgacgaaca	agttcctgcc	attactcctc	ccccagcgat	taaggaccct	240
gttgacagac	aaagccacag	tcctttaaga	gactccaggt	ttagagagaa	cttggacaat	300
tgagtagaca	atagcccaag	acaaggtnac	ggacaatgaa	ttgggttggg	caagttggca	360
ngatantggt	tggcgtataa	attgggtttc	ctggtttctc	gtttctttga	acgttgcagc	420
ggttattaac	aaaacgttac	ngtttatgat	tggccactac	tagggttatg	ttttgccta	479

<210> 2887

<211> 542

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

 <400> 2887
 cgtgcaatcg catcaatggc tcaaccgctcg cttttcctcg agccaggttc caccacttct 60
 tctggtgacc tggcgatcgt tcttctctca cgcgacaacc ttgaaccggt taccctcgag 120
 gagtcnactg gcgcagttga tggctacctc gaagcgcaac cctcaacaca cgattcggat 180
 cttttcctca ctgcagctta ctcaatatcc cttggggatc tcaagtccgc gcatcaaag 240
 ttgatnctgg atcaagaaga cgaaagcgcc gccgtgaagt gactgacgac gacacaccaa 300
 caacgactgg cctgatgaaa agttactagt gtcnaatcta agcctgcgaa aaaggggtgtc 360
 gtagcacaag tggcttttatt catattcttc gaccgacccc gaacttttga ngacanctcc 420
 ccntcgaacc agttgttata ctccgattac agctacatcc tacagaagat acaacaatnc 480
 cggatcncn tatcaaacag ggccgggtgtg gtngttttaa cacnctctgc nactgtttc 540
 aa 542

<210> 2888
 <211> 499
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

 <400> 2888
 nggccgccag ngtgctggan ttnagcacat acaaaccaac taaacgaaca aacacacttc 60
 aattgtttta cacaaacaaa tcaataactt cacaatgaca acaaattcat tcggatcagc 120
 tcttccccgc tttgacttcc accagccccc agtcccaga ctacacagcga gactggccccg 180
 ctcatatccc actgcagcgc tcgtcacaac agcagcagct gcatacgggc tcacatatta 240
 tgtcctcaga cagcaatata caatggccaa ggctcaacac aatcgagctg tggaaacatt 300
 aaacgaaatg aaagagcgtg ggaataaaac ggacgagtgg gtgaaaaacg atgcattatg 360
 gtggacggca ttttgaacag gacacgagaa cgggcatgga ctagcgattt gaaacatttt 420
 tatgcatttt tggaatagca tatgagcaga gacagtattt aagcataaga atgaaattaa 480
 tttatgacca tcntaaaaa 499

<210> 2889
 <211> 324
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(324)
 <223> n = A,T,C or G

 <400> 2889
 cgccattctt gcgcttccaa agcaaagtaa ttgatncana gcttcattga acttttcctn 60
 tcacactatt caccatgacc aactccgagg ttcaaagccc taccaatagn tgntgcacag 120
 cctgttgcaa agccagnat cttggaacac atgactactg cgtgtanaat cgacagaagg 180
 acaaaccgga cggnacgccc aaacaggntc attcaaaagg gtgtgatggg aggagtcctg 240
 ggttccnaaa gtccccctgg aanctgnaca aacttttgca nantgcagggt tggggccntc 300
 cntgtccgcc cgttcngggg aaaa 324

<210> 2890
 <211> 628
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 2890

ttccagtcac	tcgtttaaca	atctcgggtg	tgatcacctg	ctgggtccgtt	acactccttt	60
gaatcactca	caatcgactt	gtgtgtttat	tctctacagc	aaacggctct	cgtcactatt	120
ttccctcctc	ggtgaaaaca	cttgcgcaaa	tcactatcac	aaccaaaaag	aaagaaggaa	180
aaaagcaaca	tccatgaaaa	atgcgtttcg	tcaattttat	caccgtcttt	atcggcctcg	240
ctgccgctgc	gcctgctggt	gcacctgctg	ctacacctac	caaagatgaa	atgatagccg	300
tcgcgacttc	aagctcccac	cgntttctgg	gatcccttca	cctattggac	ccgntaccta	360
tgaatcgga	aggcctgcga	tgaggacacc	tactttgggg	cgcgaggccc	tnaaggacac	420
caagcgggca	aaaaccggaa	tgngctgccc	ctctggcaac	tttcggaacc	caacggactt	480
tnctcgnccc	ngcttgtgaa	acncagcgag	tttgcttcga	acggccnctt	gatgnggcaa	540
gctggctcct	gcgtttccnc	cggccaccan	ggattgatgg	cgnggccaaa	aattggggac	600
atgcaaaggc	cgttttgnaa	ccctgagg				628

<210> 2891

<211> 626

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(626)

<223> n = A,T,C or G

<400> 2891

caaaccgcca	tatcgaatct	tcagtaccct	agtgtcattc	aatccgatgc	tgatcccaga	60
tcacgcactt	cgagttccaa	atcaggacct	ccatcggttc	tttctggagt	cgaaacagcg	120
cacgagacac	tgacaccaga	agcacgacat	gtaccgatcg	aacgaagcgc	atctgctgag	180
cccaatggta	acgcctttgc	cgctattcgg	gatggcatcg	taggtcttaa	tctaggcaaa	240
gggatgctcg	ggcaacttac	tagcaccggc	gagactgcct	cgtcttcaaa	tccagctccc	300
gcacccactc	gtaacgatca	ggagctaagt	gagatgacat	agaaggatcat	gtttccggag	360
tcagatcctg	gcccatactt	gatcgctgaa	acacatgatt	ctgtcaggta	ttgctgttcc	420
tggtcacaca	cactggcagc	cccgcgcgct	ttggatacag	acttcgctat	gtcttcaagt	480
tggggtagta	ttcgagtggt	acccggcaac	ttgagtggaa	gaatgggagt	acatcagacg	540
gtgcgactgt	gaacttctag	agccttgctt	tnatgtcacc	cccaacgctt	tcttgcacca	600
aaagaaaagc	ctgggacgcc	tcgtca				626

<210> 2892

<211> 213

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(213)

<223> n = A,T,C or G

<400> 2892

nccacnagct	ntttatgttc	nagggacntt	gttggccata	ctnattgctn	acacccacat	60
aatactntga	cgggangact	actgttggac	attcttntga	atgacaagga	taacntctgc	120
tggtcctcga	caaagctatt	ntttcaagt	aaacatgcta	anggtgctaa	ccncaccaac	180
ctttgtnacc	gggantatta	atacttcaag	att			213

<210> 2893

<211> 786
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(786)
 <223> n = A,T,C or G

<400> 2893
 attcctcttc caaaggcttt caaaatctag ctccacttac agtagaccga ggtcctaagc 60
 tcatactgcc gatcgcgata gctatctctc aacaagactc acaccccatt gccgagtatc 120
 ctcaacttga ctttttttagt tcgattttta acccgaaact atcgcaatgg ctctctcac 180
 tccccactgg cagcaacctt cccaccaga catccaagaa gttgtcgtcg taaacgcca 240
 agaattcacc accaagagta tctctcgggt ctctctcca ccctttgcag tatatgcaa 300
 gttcgatttc ccgccttgca cacctgccag cgaacctacc tacgctactg tccagaccgg 360
 ccgcgatacc cacctcagcc tgaacagtga tctgctgtac atcaaccatt cttgngaacc 420
 tactcttctc ttcgatgtgg gaaacttgaa cattcttgtc ggccccaagg gtctcaacgt 480
 cggcgacgaa gctgacattn ttctaccctt ccaccgaatg ggacatggcc caaccttttg 540
 actgtntttg cgggacacgt tcttgccng gtcgcatttt gggcgctcga aanatgancc 600
 aagcccagct tgatggnatg nggcttaatg gccatattat acagntccgg ccgancanat 660
 ggntcnttcc aaaaccccca caaccaatgc cctttgggat gttgttggtt attcttaaaa 720
 gggttttgga atcacttggt tgcccttcgg tcggacacca acaatacccc ccccaaaaag 780
 gacccc 786

<210> 2894
 <211> 190
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(190)
 <223> n = A,T,C or G

<400> 2894
 natatgaaca gcccnaggan aatccatctt ccnggccna gggtcggtct ttaagacact 60
 cttttaagat ttgggngcat gttttagaan ggatccccct ccaaaaccga caccagaggn 120
 cttgtcctac aacacaactt gggaatnang gttgccaag caantaaagt ttttcgngga 180
 tttcnccac 190

<210> 2895
 <211> 156
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(156)
 <223> n = A,T,C or G

<400> 2895
 nccgcngggn atttntcatn taagaggccn tttcancttc agantcactt anttccatgg 60
 gatttnccta attggggaac tttntcaaca gttntctnga acctntttcn ttgaaanctg 120
 cccagnttgc tttangncag cttggcctgg gtnaan 156

<210> 2896
 <211> 568
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 2896
 gcgatgcctt actgagactc tatcatcgcc aaatgccatc tggacattga catcgntcat 60
 gctgcccagg acacccgagt ccgatttcaa gcgtgattct gccaacccnc tggttgaggc 120
 tatcatgaac tatgagctcg ttcacgtcga ggcttacatt gttcacgtcg acatggtttt 180
 gcgaaacgag gtagcctaca agctcacaaa agataccatt gatgctcttg ttgagtacca 240
 caaggagatc cactgngtcg atgctaaggc caacacatac gactggaccg acaaggagca 300
 acagtgaag aagcttcacg aggattttgt ccaggacatn acaagttggg ttccgaccac 360
 gtttaagccc ttgaggggtc tgaggagaag gtgccggnaa ctgttttgcg gaagaagtna 420
 ggaggtnaag aacaacatna gggctttnat gaagccccta ttaccctcn tcttcctggg 480
 gtaattgaag tnggccggaa accaaaatgg tgccaanttt ccggntnaaa aatangggca 540
 naactggntc canggaaccn ggttgccg 568

<210> 2897
 <211> 136
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(136)
 <223> n = A,T,C or G

<400> 2897
 nagnatctag ntgggntctc ttgcgtacac ctngntgaac aagatgggac angacggact 60
 tgangccaac aggnatngca taccgattga cccangtcta caggaagatg atgcgaatca 120
 tagccatcat gacctg 136

<210> 2898
 <211> 581
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(581)
 <223> n = A,T,C or G

<400> 2898
 tgatgtccgt agtcggggat gttgactcac acgacgccgg ataccgcctc agcaaccctt 60
 caatgcagcc cgtttccccc cacacttaca tggctcagca gcagcagccc gcctggaaca 120
 tgtatcccgt ctactacccc caggctcagt cctcggttca ctgaaggacc aaaatcagcc 180
 ggggtgcctgc tggccggtag ccgtcctgac caccgcccg gcctgccgct tcgatcagct 240
 tttggtcggg ttcttccaag actgccgtcg tatggccact gcagantcac tcgcccatac 300
 actgggtccg actcgaatag acgtgccgtc cgtatttcgc agtcacgana gccagcttgc 360
 ctgctcgct catccgatca cggatttgat ccggagtctc atagacacng cangcatgac 420
 cggctcatgg ancgcatgtc aatctttgcg ccccttcaa caatgatatg ttngcttgca 480
 caacctacgc cagaaanact ncgcgactgt gcgangacta cgcaccgcgt nagtgccaac 540
 tgacactcct caccccaatg gcttgactaa ttcattgggg c 581

<210> 2899
 <211> 415
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(415)
 <223> n = A,T,C or G

<400> 2899
 ctctttgcta cagatacagt gccaaagagg atgattatgc cagaacttga accaacaat 60
 ctattgtttc tcatatgggg tttggctctt cggagattaa cgctattgnn ggtggattca 120
 cttccactat ccccggtcca ngaattcggg aggatgttgt ctttaataacc ggggtttcgg 180
 gtcaatacat acaatggacc aacaganaca agtttagtga tggttgtgtg atggctcatt 240
 actgtcgtct ttttgaatgt gagttgagcg aaattgggtc tctgnggagg ccaagtgttg 300
 tgtcgtatg ccattgggtg gcatcagtca attcctatgc ttcgatcact cgtcgcactc 360
 tcgaacaata taagatcagt gatatgattt ttogtatcac gtatccaaaa aaaaa 415

<210> 2900
 <211> 223
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(223)
 <223> n = A,T,C or G

<400> 2900
 cccaagagcg gnatcagcac tgttggtctt gccatcggtg ctctgctctt ctctccttc 60
 gctgctgggtg ctttccagct gtaagactcg tcaattaagt ttgcgtcttt tctctgcggt 120
 ttccatcatt ctacatcttg tcaataatta ggagggggtt ctataattat ctatgtattc 180
 gcagttggcg ataaaacaat tgaacattta tttaataccg tnc 223

<210> 2901
 <211> 145
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(145)
 <223> n = A,T,C or G

<400> 2901
 ntcgatatna aaccangtgc nagaaganac atacgcngct ctnatagata catccatncg 60
 aacaagaaga acgatatcat ccaacgtgat gcttgagntg tctattagnc accttacctt 120
 taattnattc cnaggcttgg ccccg 145

<210> 2902
 <211> 119
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(119)
 <223> n = A,T,C or G

<400> 2902
 ncnaaagcga canaaccggg gcgggaccnc cccggcgcaa ngacaaaaan aggagnaggg 60
 cnccnggggg gagagnncac ggggccaacc agcgcneggg cgaanaagaa gnccccgaa 119

<210> 2903

<211> 185
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(185)
 <223> n = A,T,C or G

<400> 2903
 nngtgaaaaa ataatatgca tcatatgctg gcgagcatgg cgntccgggtg actgcanaca 60
 gagangttgg agccttttgc cgaagcatcc ttggatgaac aagaatctca gatttgatct 120
 ttatagattc ttaccactcg gtgcattgat caacatattt atcttctttt tacttgtaa 180
 aaaaa 185

<210> 2904
 <211> 271
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2904
 cgggaataga tgtacacaga gccctccaat tcctgcacct caagaaacca gaatgtcagg 60
 tctaacggct ggtagacca accattaaaa ttgaaggata gcggcggcac ggcgactaga 120
 ggattgtgaa ggccagcatg ggcaagtcaa cgcccggcct gaatatcggt agtatttgag 180
 gagaatcggg atgggatggc tgcaaggctt cttatatagt catgagcagg cagacatgt 240
 cgagtcaaca aaatacaagt cgcttgcatt g 271

<210> 2905
 <211> 686
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

<400> 2905
 catacatcct catatttccc ttgcacagag ctactctgtg acaaaaaaaaa acctacaagc 60
 actacttatc tacaagacgt caccatcatca ctcatcgcta gtgcgcatcat taccgtcgag 120
 tgtacgtcat cccttggcta agccaagcca tttcaacgcc gcaaacgagc aacaagttat 180
 ctcttgggtt aaaagcaaat tttgtttaat tcaagcattt cccaaacggt gcttactcaa 240
 ccatctttct cgtgttgctg cgacaaataa acacaattcg cgcattctca tcttcaatcg 300
 caacgaccat cacaacaatg gcgcccactg acgatctcat ctttgcgcgc gacttcagat 360
 gtggctctgg ctacagttac agctacagta gaaacagatg ttatcgaaac agctggtcct 420
 actggggacg ctgggtagtc gcgggcattg tcatcttttt ctcttctctt ttcttatgtg 480
 ctgcctcatc tcccgtcgtc gtaagantcg tggcgtaan cccgtctacn gcactggctg 540
 gatggcnggc aagccctggg gacttaacac aacacacacc aggcctacaa ttaccgcaac 600
 caangtggct ataaccagaa ttccacacca aggagntaca cacagaacaa cgnggtacaa 660
 tgcncctcg ctatgggtcac agaaca 686

<210> 2906
 <211> 648
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

<400> 2906
gaaggacagc agcagcggcc gggtatgtct gcgtggtatg ctggtgcacc ccatcaagtt 60
tgagcatcct tcagagaagc ctttaagttga gggatgcaga ataacagtcc ttcaaccttg 120
tcgccgtcat gagcaaggcg acgctatttg tccaccctcg accagcgcac acgacagaca 180
tcaccacgca catatgcatt tgcaggagca tttgtacaaa tatacccacg actattactg 240
aatggcaaga catccgattc ccaacactac gatgagaagg gtgatgacgc gaattctatg 300
catctatttt tatcagttcc ttcgccctgc ttgcattccg tttacggaac cagcgaactc 360
gtcctagact tacctagaca ctttattatt tgaaccttac cttctatttc tcttccaccg 420
tctcggtatt ctctgcaatc aagggtttcc agaaccgctt cctaataaat tcttctcatt 480
cagactggga atggtatgag ggtgtctgca tcattcaaca ctaaaaattt gngttttaac 540
tcgctgttat tctctggtct caatttatca atcggngtgg catgtcgttt ntgggtacca 600
gacattcagg actangcgcc gggaaatggnc ttccgctatg ctacangg 648

<210> 2907

<211> 676

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(676)

<223> n = A,T,C or G

<400> 2907
attctccctc gctcgtctcg ctggtgggat tctaaccatc ctccttcggt ccgaccctac 60
tagccttggc ctcatcatcg caactaccgt gctgctcaat gtaggcctca ttccattgat 120
gatctccatg gttgggttca tccgtttgat tatgaaatca agccttgatg agaacaaacg 180
agctttcttc ctggtgaaga tcattcgctt cgcattcatc gccgctatca ttcttctctg 240
tggtgctgga gcttttagtg gttccagtat acacctttca cgacatttga cacaggctgg 300
ctatgtcact ctggctgtcg tcattgcttt gatgactgtt gagctactac acctctatac 360
tcagaagcac cgcattttct ccgagaagca catttttata gagctcactc tagcaagtgt 420
tccgacactc gtcctacgaa cagtctatgg actactttgc gctttcacgg ttgacaactt 480
gacgaccatt ggaattcgct ggttggatct gctgtagcgt tgctttgatg tgcctgctta 540
cggagtacat acacttctgg ttttcttttc tcgggattcg cattggcang cgttgcgctg 600
aaagcttggg aagtatcgag atgaaatctt gaacacatga agaanccttg anaagaaaaa 660
ntaggaagtc ggtcta 676

<210> 2908

<211> 117

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(117)

<223> n = A,T,C or G

<400> 2908
naccacaccg cncacaccnc gacaacnccc gcachacacg ccncncgaac ganccacaccg 60
ccaaacgaca cccgcaacnc gncgagccgn cacacccccc acacaggncg accaaca 117

<210> 2909

<211> 112

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(112)

<223> n = A,T,C or G

<400> 2909

ngggngggga gttttngggga aacccggnngg atttttaaaaa ncccgcacang cncaaagggg	60
ggttactaca acnacngggg tttttttccg aaangggggn atccanaaag ct	112

<210> 2910

<211> 613

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(613)

<223> n = A,T,C or G

<400> 2910

gaccaaggta gtgagagacg tccccgcggt cgcggtacac tgggactctg ggcgtacaac	60
ntcatgcttg caaggcagtt ggggcctatc caaactctga acaaacagtg gggcgaagag	120
ggcatctctg aagattatgt catgcaacgc gtcgcggatc tagcacaagg cttacggctt	180
tgggaagcga gactccctga cggaaagaaa gcgacagagg agaaccttcg agcacatagt	240
gccaaangcc ttggaggacc attcctcgcc atacatacag gctaccacca gcatttcgta	300
cttttgcttt ttagattctt agatctcaat cggacccaga caccggagac tatcgagtac	360
gccgagcttt gcaagcatca cgcaagttcg ataagtcac tcgtcaagct ctctcgccaa	420
gttcccaatt gtgaattggt ttttgaggga atgggtnaca tgacanctgc ctcttctgca	480
gtcctactgc atacgcttgt gtttggtcag caagatgacc ngctgggtatc cgagcccan	540
tttagantct actangaagc catccatgag cttcaaaaat nctgggcctt ccaattgaaa	600
ctcagtgagt aga	613

<210> 2911

<211> 387

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(387)

<223> n = A,T,C or G

<400> 2911

tcgtcaacaa agatgctggt cactattatt tattttgagtc gagacttaca acgagctagg	60
cgtctcaatt accacggtag tcttcaactc agttacaatg gtcaaaaaac ttttgattgc	120
tgccactatg gcatcgatga ttccctcggc caatgccttc aatcccgtcn aagatcggtg	180
gctttgcaac aaaangatgc tatctgcatc actcgttgga tgggctcaac attggtgaag	240
atcagcgaan gnttggttata ttctgngaca cctggcagag ntccaacact ttggaagacc	300
cancctggtt ttgggggatac atttccatag ctggaaggga cgatanactt tccnctttnt	360
gaggggcttt tngaanaacg gtcgcca	387

<210> 2912

<211> 694

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 2912

attcttacac agaaactaaa gagtttctcg ctgtctcttg cgctcgagtt gctggtaaac	60
---	----

gacacaacga	gaactcaatc	taccgggagg	tgctgggtgca	natccacagc	acgttgtaac	60
gagatctcta	gaagatttac	agattcaggt	caggcgatta	accgagtcgc	gataagtttt	120
ggaaagacaa	ctataccctc	aaagggggca	ctccgccttg	atcccgatcg	aaaagcgtat	180
gccagaactc	gatgccaaag	cccgttagtt	tccgaaatgg	catggatgag	ggacctcgaa	240
taatacgtaa	cctgtcaagt	ttgaggcgcc	agttctcggc	agctacctcc	ctggatactc	300
ggaagagcct	caatggcttt	tgccaatgtg	atttgacagg	gaggaagtga	ggctaggtag	360
gagattccat	gccgtactat	ctactggcag	agccaccctc	agcgcccgcc	ttaaagcgat	420
tttgttttcg	gcctagacga	tgtgctgtgc	tgcgctgcgc	gggttggtgt	gcgttgccgt	480
ccgctacaga	ctatgatcca	agctgctggg	ctcgaaacaa	gtgtgtatca	catcacaaca	540
aagaagaaca	aagccgagtt	ccgcgcaaat	gccggaaagg	attccancgt	gcaatcggga	600
atccggnccg	gcgttttact	tc				622

<210> 2916
 <211> 488
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (488)
 <223> n = A,T,C or G

<400> 2916						60
gagaatggcg	gtattgagct	tcaagctgaa	gcaggagatg	tctttgtcat	tccagcaggg	120
gtagctcaca	aaacgtacaa	caccaaacc	gaagcagagt	tcaagctcat	gtcaccgggt	180
gttgacacg	gcatcgaaag	tgatgatcca	cgacaggctt	tgtagagat	tgagttgtcg	240
ggctatacca	tgatgggagc	ttacaatggc	ggaaattggg	atctttgtcaa	gagtggtggg	300
gactatggca	agtcgtggag	ggttcgaaag	cccaagtgtg	accctgtatt	tggggaggtg	360
gatggccttg	tgaanagttg	gcctggggac	nacaaggatc	ctgatttgga	aattggtcaa	420
gtaganaaca	gggagcgtca	naacaggggg	tccaaacttt	agatgtaagc	attgaaacaa	480
tcttaccaat	atcataacc	acaacttggg	gnngggggtg	actgtttcat	tttgtttggg	540
catagtca						600

<210> 2917
 <211> 577
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (577)
 <223> n = A,T,C or G

<400> 2917						60
gaagaattct	cgccgcgagg	aatttttttt	tttttttttt	tncttggtga	tgtctttatt	120
gaatgtttct	atatacggat	actaaactga	tcattatccc	gtactgattg	ctccctcggc	180
acatgtgatt	tcctacgtgc	ggcgaaatgca	cgccacatac	gcagtcttat	tcaaccgggt	240
gggtcccttc	tctaataaac	gactccaggt	tgatcctagc	tgtgtggatc	acagaagccc	300
caagagtatc	gattcggttg	atcttccgac	caagatatct	ccccacacca	tccatacggg	360
tggtganatg	ggcggtattg	tcacgcgactc	ggcgctgcgc	gaccgagctc	tggaattcag	420
ccgggttaag	aattggcatg	agacgatgag	tnnggtagaa	tcgacctcta	atcgactgct	480
ccttgaacac	aacgttctcc	ttgactattg	cataaacacca	tcgttgccgc	ccgactgagc	540
gaccattggt	ctctcgctgc	gcaacgcaag	gggaaggtat	catcccngac	aattttgggt	600
gatcttcngg	cacaactggg	taatntaacc	cggaataa			577

<210> 2918
 <211> 473
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

<400> 2918
 cagtcaagca cgattgaggg tggctctgaca ccagcgcagg aggatattct ttaccgagag 60
 ggtaccattc cttcggctga gaaggccgaa gctctcggtg cacaagcana gaaggctgag 120
 ttggactcnc ccgacagcac tgagatgcaa aaccccggac acaagtttgg tctaccaaag 180
 cgaccttggc cggaagggtt caacatgaag aagcgttacc atcctgtgct ggagcaaatt 240
 gctcgactcc tcatgaagga tggtaagctc agtggtgctc aacnaaatct agctatcgtc 300
 atgagctacc tccgaaccgc ccacctncca tctacagtcg gaaattcccc ctntctgccc 360
 gtactccccg gccacacatt tcctttnaac ccgattntat acattaccgc gctattgact 420
 cggtagctcc tctcctnaaa accgcaacgt ggcgggtgcc ggtggtggtg gtc 473

<210> 2919
 <211> 455
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 2919
 atagatgcta ctcggtttctg ccctggacat ctccgccatg gagatctcat gggaaagcat 60
 ggcattgagcg gtcaccgagc aaacctttct gagtctatag cacagatggt tcgacgacaa 120
 aacacaccag caccacccga cacacaggat tctaccgcg accctactga tgccgctgtc 180
 gacgaagctt ctaatgaagc ttcggcacca acagcccaa cggttccact gnaccacg 240
 gtctacagct tcaactggcc aactgngccc actgccctac ggttcttcag acaccgnagt 300
 gccgcctnng atactgntga ggcgcctacg gacaagcttc cgcaccaaga agaagcattt 360
 gaggaaccaa ccgatcttgc ncaaataag attagagcac agaaccaagc nttagtacc 420
 acggcnattt gacgagcgac tttgcatgtg gccaa 455

<210> 2920
 <211> 344
 <212> DNA
 <213> Fusarium venenatum

<400> 2920
 agttgaaatc gctgcccag actggctcac ccaagctacc aaccaatacg atgccaggtt 60
 taagggaact cccagacatc aagactggac cagccgtata ttcaacgaca atgggtatat 120
 cagtaaaaag acgctgaagt ttaatggagc gcgcggccat ggcgcccgtat atgatgaaaa 180
 cccaagaatc tgggcccaga gtaatttcga aaagttgtgg aagcctagtc ttggtgcggc 240
 tggacctttt tgaggctctg agcctcggca gggatcaga aactttggcc gcttgaagta 300
 taagagacga aattagttag ttaatttatg ctcggttcga cgtg 344

<210> 2921
 <211> 465
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

<400> 2921
 tctcgacatc cttgctcaca ccgttagcga ctgggtgacg gtctgtcttg tcgtcgccat 60

taactgatgt	ggattcaggc	gcgtcgtttg	acttatcagg	agtcgcatgc	ctggtagcaa	120
caaagtcagc	taatgctggg	gaaagatgag	actgcacgc	gacaatgcgg	taacacattg	180
cgcgccagca	cgacttggga	acaacttacc	cattaacttc	cgacttttgt	tccttctctg	240
tggtgacatc	acgcgatgga	gaatcggcgg	cgggaggatc	ggggttgggt	gaagccataa	300
tggctggctg	cgataaatgc	gcgtcaatat	taagtgtatc	ctagttgacc	cgatgcgaca	360
tgaaatagcg	atgcgtttac	gtatcaatgt	gagtcgtatg	ttatcgaaag	gtaagcgacg	420
tgattttgat	gcgcgatgga	natggttggg	gtggggaccc	tggaa		465

<210> 2922

<211> 158

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(158)

<223> n = A,T,C or G

<400> 2922

ntcgcgatgc	cnacacgcna	aaaattgctg	tcaanggtgg	aacttctgct	antcctgaat	60
gctggattgn	cggcanggtg	tgactatgat	gtgaataagc	caatactngt	ccngagttct	120
actggacncg	aataaccatg	ctcggagnca	ttccatgt			158

<210> 2923

<211> 394

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 2923

tcttttctca	tccaccgcgc	aattgagcgc	acaatggctt	cacggantgg	tgttctcaag	60
gcgtctctctg	gcgccttttg	cgantatggc	ccttggtggc	ctggcactga	cgccagccac	120
tgttttcgct	gaaggaccca	gcgacctcaa	gcgaaaaccc	atttacgatn	acttcganat	180
cccagcatcn	aagcccgac	ccgtganacc	accaccgcgt	gccacgacgc	ccgtcgctga	240
gcccattgaa	gatgangagg	agaggcacta	ttagcctacc	ccnacngatc	gantggctgt	300
ttacntcgga	aaagggcgct	tgtctctgtt	caagtacctg	tcgctgccga	aaccaaagtc	360
cacgangtca	tggattcggn	tttcaacctc	caac			394

<210> 2924

<211> 650

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(650)

<223> n = A,T,C or G

<400> 2924

cccagaccta	gaagtctcat	cctgtgtccg	tacatcatga	acactccaca	atcgtcaagt	60
ttcgccgcct	ctgagtttat	caccgaaaac	cctggaaagc	cagttgcccc	gaagtacgtc	120
cgaagacgag	gcctgaatga	ccagataaaa	tgggttaggt	catggatggc	caaactaccc	180
caaggagatg	aggactggga	caacaacagg	ccttcgactc	cggaggacat	tttacgtttg	240
catagtcggc	taaccatctc	ccacatcgga	tcacgccgaa	acatggactg	gtacactctc	300
ctcgataact	acgctgccgc	ctccaaggac	tttgaacctg	gaagagagac	tcaaacacat	360
tgcatgggtca	tggtgcgatt	gtgtcatgtg	gctcatagtc	aaggccttac	gacggacgan	420

gtaatgaacng gcatggcaaa atgcgtcagt ggaggaagcg atacactaaa gattcaaagc	480
gaatcgcaact aacaaagtgt gttgcaanat tggngatga acttgaaaaa agttattggg	540
ggcncgggc atatgaactc cccgttnaan aattgagccg cctaanttac ctttgncaa	600
cantttanca accgaatggc ttcaaaatcc aacccaaaag agtccatata	650

<210> 2925

<211> 256

<212> DNA

<213> Fusarium venenatum

<400> 2925

gagacaggca gttccgaaac cgatgccact tcaacaggaa gcagtgcctc tgcgactgct	60
gagagtgatg agaacgggtgc ttctggaaac atgcccaga tgtggctgag tcttgggtgct	120
ctttgcgctg ccatgcttac gatgtaaatc ttcactacgg tatagaaaga acgtctctct	180
tctagattca gttttggttg cttatagatt gggtgccttt gtttatagat cgtttgaata	240
gacatcattg actggg	256

<210> 2926

<211> 501

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 2926

ccccgatgt gcaaacactg cttgttcaca tgtgtgctct tcgcctaata tactaaggta	60
tatctgnacc caggtatgta tgtatgtacg tacctacata tagcgatatcc ccgatgctaa	120
accacacac aatgcatgtc agccccagat acagcgaata gagcaagaga gatttcctcg	180
aaatcggatt cgggtcagag atgggcgatc taaatgacaa gcacggatc ttgacattcg	240
ttttgcttgc cagctgcatg agtttggcct gatcttgtgc gcaaacnana attactcggc	300
ttgactgagc tgttgacccg gtccaaagga catgtacatg gagctagata tgaagtatcc	360
tctcttctca tctcatctca tctcatctca tgtgatgtga caagtgatga ctttgtactt	420
ccgctgtgct gtgttgtctg tagtgtacga agctgtcatc agtagtcgtc tcctcgttta	480
ttaagcagtt gcataacccc c	501

<210> 2927

<211> 136

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(136)

<223> n = A,T,C or G

<400> 2927

nccagcacca cggccagctc ctggatgtca ngccctctg ctggangana acaaacggga	60
tcgatcattt gataacttenc taaacacagt ctttgagtat ngctttccgc tctnrgntca	120
gcatggtnta caggnc	136

<210> 2928

<211> 412

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

E

E

E

E

E

E

E

[illegible]

E

E

E

E

E

E

E

E

E

[illegible]

E

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

[illegible][illegible][illegible][illegible][illegible]

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

[illegible]

E

<221> misc_feature
 <222> (1)...(122)
 <223> n = A,T,C or G

<400> 2931
 ncaactggngg gcttaagggg agcaaggnc tctttaagtt nggtatcaac ttcnacnagg 60
 atattatctg ntacaacatc actntgtatg gggtcngtgn agactaccan tatgcngcca 120
 ac 122

<210> 2932
 <211> 256
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(256)
 <223> n = A,T,C or G

<400> 2932
 tttcttttct ctctctctct ccttttctaa cggcggggctt agatgagaac gatgtcgtcg 60
 cacaacatgg ctggtgcgac gatctcgact tgattcttga aacctccag aaaagccatc 120
 aaaacttacg gnacctgatt ggcttggttg aagatacatg caatgcaatg cgcctattct 180
 tctggcgtac acgatagggt ntgacacgca cggttggatg aggttcagtg ctggtccttt 240
 gtaattaatt ttgtaa 256

<210> 2933
 <211> 165
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(165)
 <223> n = A,T,C or G

<400> 2933
 ntantcgaan aggncccttga aaatccntgg nacctggnga gggnaaagggt ggtcgtaant 60
 accnttttctt tcccgganat tccaccatnc caaangggcc ntgagctttn tatgcnaaag 120
 cttccctttt ccttgntcgt ccgtnntact ccccagggac ttcta 165

<210> 2934
 <211> 243
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(243)
 <223> n = A,T,C or G

<400> 2934
 ntttcgcttg gattgaccaa naacatgggtg tttanaaatc ctccaanggg ccagactgac 60
 ccgataatta tgtggagaga cgatgggtgca ngggatatga anacgatgg tgtttgggan 120
 anaagaggca cgagagttac tcnacctgct gattaccatt tatganaaag ccaccggcgc 180
 tgatttgata aatttntttt ggattatggt ttgcagacag ttaacttaga tcactatncc 240
 tgg 243

<210> 2935
 <211> 558

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 2935
ctgacaaaagt ttatgctcaa atccaacatc tccccctact cggactctcc tgttgtgcaa 60
cgctgctacg gtatctgggc taagggacta cttcctctga tgttgaactt gcttacagct 120
ttgggcgcta ccacgctcc anaagttgcc tacgtgttga accagttccc acacctattg 180
gaggcaagcg tggaccgttt tgaggcacca ggggcaagcc gtacgcagtc tgcagcgtcg 240
cctcactact tgacgcttgt ggctatattt gaagtccatt ctctggctct cctcacaaga 300
gtgcttgctg ctcttcgctg aaacaacaac cgggatattc cggacgtcga atgggattca 360
gcaaaccttc ttgaaaacgt cgagttttgg ttgagcacia agaagctgct aaaggaacga 420
cttatgcctt tgggacaacn nagaaatgga ttgggcgggg tatngaagcc cgtccccgga 480
gcatacgata gtntttttgga ggagaaagct gnggctcaac tggacgccat tccnggatgt 540
gtttggcgat gaancaga 558

<210> 2936
<211> 179
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

<400> 2936
nttttcaagc angncgtcac tcgtnccatc accacatttt gtcaggccct cgaanntcct 60
ccatncggaa aggtnaagcg tntgccaaaa tccntgaagg aantcacgan gancaaccat 120
gcgataagnt ccaacaggaa nccaanccac aagttcnagc aataagtgcg ctcacgat 179

<210> 2937
<211> 191
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

<400> 2937
ntgtgntcag acagcantan acaatgnccn aggcttaaaa caattagctg nggnacatta 60
acgnaattga aaancntggg attatgcgac gngtgggcga nanctatgca tttggaggnc 120
cggcggttaag aacnagnacac gagaaccngc atggactagc gatntgaacc attttatgnt 180
ntttggaata g 191

<210> 2938
<211> 117
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 2938
 ngngnactan tattggaatt ttgcggtacn aaatnggggc cgngagcacc gggtgnttaa 60
 aaaanatgga cgggattagg anggggnacg ctaanatcnt tccttttttg gccccaa 117

<210> 2939
 <211> 166
 <212> DNA
 <213> Fusarium venenatum

<400> 2939
 ggacagctat gaaggggagc cgggtgccga tttggtaaag gttgtataga tctgggatat 60
 tagtacggca taatctcaac aaacgaccta gacatgacct ttatagaata gcggcgaagc 120
 tttccatata cggaagtgtg actataaatt gaatcaattc cactct 166

<210> 2940
 <211> 637
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

<400> 2940
 gggggaaaact cagtcactctg cccagcgctt gacatcgcg caggtaacgc accacctgat 60
 ctgtttgctt canaactttc cttctttgct tcgcatcctt ggactgcttc tctactgtcc 120
 gcgcgggaga caatcccgtt cctcccgtcg tgtaggaatc ctcagtcacc tgcgcatgat 180
 cagctttttg gaaactcgct taacaatgct cgnggcttga cacattttat cagctacttc 240
 cgtgcgccaa gtgttgagggt tgccaagaat ccagcacata acatcactga gattgttgtg 300
 ctggtatcag tgggtgaagg cgtaagcgga tatcctggta ttgttcacgg nggcacgtt 360
 acagctctct nggatgaatc catggggact atcttcgatc tgaacggcac gttgggcaaa 420
 gagggcagag cgttcaagac gtccaatgta acaggcgga tagacgtaaa gtttctgaag 480
 cctgtcccaa cagacaagtg ttctctgtat cagagctatt gctgaaaaca tcgatggctg 540
 aaagactaca ntcaggggtg aaatgaagga tgaaccangg gcaattgctg gcgaattgct 600
 tcaaccagtg ggtaagcact tgaagccan ccttttg 637

<210> 2941
 <211> 584
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

<400> 2941
 gcgagtctgc aaacaggtag atgatgaagc tacgttcgcc ttctacagca cacgaaactt 60
 ttcgtctatt toctaactat cctggcaaact acttcaaaag taagaacctc tgttggcaag 120
 gttaaagcca cagcagcgac gatgcgttac atctctcgan ttgcgccttg gccctggatg 180
 gaatgcgcca cctcgtggat ggggttgtaa cccagcgctt ggtctctcgg aatgcgtaga 240
 tgttgancgc ctcaatgtct ttgtcgaatg cgacctantg acaatatctt ccaangatg 300
 cgccgatcag aaggttctat gaaggttcag tcggaacctc tcaactgatgt nttggaagca 360
 ttgccttccc tcagggttgtt cattcgatgg ttggactacn tcagaaatcc ggaaactgag 420
 caaggtctct ggacattgtc aacacaaggc nccgcatgaa tggggtctga aaaagatgac 480
 gaccnatac ataagtnaaa ggggganccg ggggtntcta agatcccncc ngatataaac 540
 caggttnttg cttggctatn tgtcaaccga ctattcctgg toga 584

<210> 2942
 <211> 354
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2942	
cggaacctt gggaattga ccacacaccg cgacgagctt ggccaatgct tcaagttcag	60
tgacaagggtc aaatctgtca gccagactga acacgtcaag ggctgcaagc ttttgggtatt	120
ccaagatacg cattgcaggc atggagagaa gagccctaag gattttcaat gtctcaaggc	180
cccgcacctt ttcaatagct acaagactgt atgcaagtaa agggaactgg aaggaagatt	240
gtcgttatg agcgtgaatt aacatggtga atggtataga tctttgcctc aagaagggtca	300
tttaataggt taatggtttt agcaatagtt tttattttga atgaatattc aggt	354

<210> 2943
 <211> 589
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 2943	
gggtggttta gatcgtagca ccagcgggcg tatgatatca agagaaccga accttacgcc	60
tatcacagag cgatccgaat actctaaccag aaactcgctt atgagtctgg gtatgcctgg	120
ctttggagga acaacgcccc tgcaaagccc tggcctggct caacttgctc ttcttggcga	180
tcgcgccgac gagatgactt tatctgctct tctccggctt aggtcccggg cttggggggg	240
ttctcaagca agccttgtgt ccagccaaaa cgggtccac gatcagaaag aagcgatatg	300
tccacctcac cttgggggtca gagctttatg agcccaacga cttccacac ccggaagaac	360
tcggttcttt ctaccatcag ccacgactcn gatagcgtan gcgcctcagg aacccgacgt	420
tgacagggtg catcctggct ttacgctgtc ccaccacctg tccaacgttg gctaagctga	480
aactgatttt anaatgatct caatcccccc tcacntagca gactgctcaa atctacaaca	540
acctattcnc atgtcgatca aaaaaatagc cnctcacctg tancctta	589

<210> 2944
 <211> 589
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 2944	
ctaccagtcc taagatatct cgtaaatgct acacgagatc catctcgtct caaacacaaa	60
ctttgaatcc tggacagggt caacgcttat tatctagctc acccgtttt tatttaccat	120
tccaaggaac gagagcttat tatcttcaga tcgatgtgat ccggtgtct ctccctctat	180
tacccttagc ggcaacacga ccgtccgtat cgtggcatgg ctttcgacct aggtacttgt	240
atctccgggc ggtttccttc accggggagc tccttggctt tggccggggg ttacatttcg	300
gcctcttact gcatcaaata gcagaaagcg ctcaagcaag cgggtgatcc tcttctgtcc	360
actgttcaaa agaaccgacg ctagaatcat gatggagaaa aagaaaaaca catctcatcg	420
ccaaactctt gattgtcgaa ctgcgttgct attctcttac accggccccg gaagtgatga	480
caacggggga tcncaccgga tctaggacct cgaacggact gcgcaaaaca gcacaagatt	540
cctgcccgtt gggccgaaac cgaaaaacat aattccccga gcctgttcg	589

<210> 2945
 <211> 588
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = A,T,C or G

<400> 2945

tgaaataaaa	gccgcgtttc	gatggaacca	caactgtctt	gccgacgccc	tatcttccca	60
gaaaggatca	tatccgagtc	cttgatatcg	gctggttggg	ccatgatcgg	gatcaaaatg	120
ccttcccagt	ctctaacttt	ccaaatctac	acaccatgac	catatgcata	gcataataac	180
atccgaatga	agaagcatgt	cggaattggt	tgactccctc	tttgcaaaca	cttattctca	240
atctgcatac	cagtggccaa	tgcggtcctt	cttctcataa	ttgcatgagc	aaagctaatt	300
ctcatgccat	tgctgagtg	gcgaagatgg	cgaagagatg	ggtagacaaa	acaccaacct	360
ggggctgaga	naaatctgca	tacgtgcata	tagtagcgga	natgatgctt	ggcaaaatga	420
agatgaagta	anttgtatgc	accggagtta	tgccgaagan	atgaaggana	acctcgtcag	480
tgctgaaat	acttgatgaa	caagggttaa	tcactctggat	tggtatattg	gaagaaatta	540
ctttgaacan	gagcatnttt	atntgagaaa	acctanccga	actaatct		588

<210> 2946

<211> 587

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(587)

<223> n = A,T,C or G

<400> 2946

gagctttctt	gcggttacaa	gaaggagatt	ctcaaaaggt	cgccagatca	gtccattctc	60
gtatggagat	ggcccttggc	ccgcaagcct	gaaacgaaaa	acgcaacgga	tgcacttttt	120
agctgatagc	ccggccaact	tcaacttacg	cacttacgcc	ggacaggagg	attctgagaa	180
attcggggtc	aggttaacag	atcaaggact	cgttggtcgt	gtctggaagt	gtccttgcaa	240
attaacgcgc	tggaaccatg	acaagacgga	gcttatanac	nctggggaca	ngtggttggc	300
tggtctcgac	tgagccttat	cgccagatac	tctatcgcg	ccagcaataa	ttctcgggga	360
gantccttat	gctgaaggcg	tttttcgacn	anacccctacg	aatgttatca	tggtgataga	420
acacgatcgc	ntgaagtcng	gatacttgga	taccgcnggg	atcgacacnc	gatacctcca	480
tcgaatacaa	cctgaattcc	aganagaaan	aanccgcttg	attngataca	tcaaacanaa	540
atccnttaca	agaaacttcc	tccaattgaa	atnanctcaa	aacctga		587

<210> 2947

<211> 134

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(134)

<223> n = A,T,C or G

<400> 2947

cttctggcaa	ttgacaaaca	agatgaccct	tcttaacgat	accgtcaagg	agcttcctct	60
ccgcattgat	ctcaacaacc	tgtctagctg	gcagttccta	atcatggnta	cccttgatca	120
tctcgatttc	tgtg					134

<210> 2948

<211> 593

<212> DNA

<213> Fusarium venenatum

<400> 2948
ctgggcgaca tggctcgagtc tatgggcaag gtgtgtacag tggttccgag atcgtccacc 60
agacatgggtc cctctgctgg aaagctccga ggtagacgca cacacagcta ccaccacctc 120
tccattcaca gcggatgtct attcaagtgc catcgagta caagcaaata tcacaatgca 180
ctattcctcc ctacttctac tttcctacaa acctcgactg gtcaagctct catcgacacc 240
acatcgtcta acatccaaga gctggcacgc ccagaagctt gcgaagttgg ctttatggaa 300
caacttcccc gatcaatggg atcctgtcgt ggtagcaacc gtagttcgga ttgcgagaga 360
catgacgtat ccttcccaac aagaagctct actatcttgc ttccaacgga ttggtgatgc 420
gactaaaatt ccactccaaa gggagattac agatctgcag cagttctggt cttcctcgcg 480
acatccaatg cccctaccaa cctccatcct aacactagct ggaatagatc accgaggtaa 540
tttcaatcgg tattgagttt gatttgcaag gtacttagtc tctattcgtc tct 593

<210> 2949

<211> 327

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(327)

<223> n = A,T,C or G

<400> 2949
nttcctggac tttctctctt cnaaacccgag gccgccgagg ctacagagtnt cgacaacaat 60
gaagagccct gtgaggagtc anctgtncat aactacaact tccaggctgn gccttnactt 120
antgggctga ntccctctgt ttacgagccc gcccccaana cagtaaagca gatcttcttg 180
tcgtnttgga accccccttc accccatata caacagggng gccatctgnt ctaccttggt 240
gtgccaccan tgaaggcgac aggaccangt cactttccac gtttngggct tctcgtnaan 300
aatcgtctaa tgccaaatta naccctt 327

<210> 2950

<211> 590

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 2950
atccaaaccg ctgctcatac atacgtacgt acctcttggt tggttataaa cctcaatggt 60
ctccgtcaaa ctatcttctc tggaggctgc atcctccggt cgtcatggta aacatgtcct 120
cgttttcagt atacgactct gaaaccatgc cttattggga cctatcaact tcatccacaa 180
ccagcttcac ttctttgcct cccgaacttc gcctgaagat atggctcgcg gccaacgagc 240
ctcgcatcgt tttatacggg gatctagccc aagggaatgg gtcttggtccg ttaccaactg 300
ttacacaagt caataccgaa gcgcgagatg aaactcgact aagggtatgag ccaataggcc 360
gcggtatcttt cttggatttt tctaaggata tcttgtttgc gaccataaga tctcagacca 420
agcaacagac cagtatttag atgaactggc gccccgggtc aaacggatgg ctttctggga 480
ttgtttcccg atganggncc ggtacagatg cctcatcact actccgtcta nctatctatg 540
tgcttcaatc gacggggaaa ntttgggana atcnaatttg aacgatgctg 590

<210> 2951

<211> 584

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(584)
 <223> n = A,T,C or G

<400> 2951
 gaacaacagt ttaacgtata cccacgatat ctcgccgttg ccaaatgcat atagcaaagc 60
 ctgccgtcct tcgtacttct ttcttccgat accagatgcg tgcgtgaac ttctacggta 120
 ccgagcctca cttcgaatca cagccccgcg cagatccgga gcgccgacga ggatttcctt 180
 gaatattacg attctctgca cttgtccaca gcttgatttg gacgagtgtc gcgtgggtga 240
 gctgccagag tataaccgtg ccgttcttta ccctcgaacc catagactcc cacttatacc 300
 ggccgccatg ataagccacg cacctgccgc ggtcaacacc gtccgcggct ttcagactac 360
 acctgctacc tcggggcgacg aggactcaga ccctggacac agcgagggtc ctaccccccg 420
 acgaaagact gccggacgaa cgtcatcaac gatgttggtt gcgccaaact cagccctatt 480
 attcgagcat cttctcccgc tgtttcgggc atcgcaaagc tgcgcatgca gatggaanct 540
 cttantctgg acggaagatc cccttatcca tganccgttc tgga 584

<210> 2952
 <211> 394
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2952
 aattatcaag actctagatg atgtatgtcc taatacgtac ctcaatcagg tctggaacat 60
 ttgtcaaaaa ctttattgca aagctcaaca ttccaggcga ccatcaacaa ttgtgtcagt 120
 cgagcctaca aatccgaata acccggcatc tgcggtgtat cctaacatag ctcgggtccgg 180
 acacgccccg gtgctagagg atggagaaat gagtgtattc ctccagttag atccagtcac 240
 cttggaccaa ttactaccat acagggctcc cgtgctctgg gacttggaga ctttcctgta 300
 aagcactggt ttcaaagttc aacttggttc atttccggtt gctattcatt ctatgtcgct 360
 gttctcggac tcttttgaag cttggtactt ccct 394

<210> 2953
 <211> 579
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 2953
 aattacgaca gacttgcac cttgtttcaa gtcaaccac caacacgcct attgccagcc 60
 ccagtaagcc ctgtaaccgc tgaaccttga cctgggcaga agctgtttca gtcaaattcc 120
 aaagccgact gggttatcaa gggtcggctc atctacttta cataccttga tcgcttaacc 180
 aaataccatg tccagggttg catttgaccg gagatggcct ccgacatgaa caaganantc 240
 atgttccctg ccaagacgag caattcacia gtcatgtcat gatttattaa cactcaggca 300
 aagaatcatt gatgggatgt gcaaagaaaa tactcagtca ttcatttttag ccaccaactg 360
 gctctaaact caaaatccat tataaggctt gctangctta ttcagtccag gaagaangaa 420
 aagaaaaaaa tatcccgagt ccttgggcac ggacattcct ttgcatccac gttccagcgc 480
 tactgccctg ttctgcaatg tnctcctgtt ntaaaaaaaa agtctcagct ccaatctgtg 540
 cgtcnogttg gtcanacctc aaaccngtta taaataata 579

<210> 2954
 <211> 610
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 2954
gagacgcgcg gcatttccct ggccggctgt acgtgatgtg attgatatgg acaaaatgga 60
atatgaatta ccccgcgctg cccagaatct cttcaggaat ctatcatcgc agtcctgcga 120
cattcttaca tatctcgaca gtccctccagc atacactgat ccagggaat tattattcaa 180
aacagatctg ttcagtggag tcaagaagca cgacagcttc atcaatgaat ctcacaaacg 240
actatggata cgctctcccg ctttgcatgg atcattgggt cgtgcgggtg gggagtatct 300
agactttcac ttgcgagagc ctaatgctgt tgaggaggat atgttgaaa gtttgccttt 360
ggcgtccaac tattttggaa aacacatcgg ctatttcccta ngcagtacaa agctttctgg 420
tgagagattaa aaggaccaag cagaacccac tcaangntga tttgaaataa tttgggccgg 480
gaagatagcc ctcgatccgc catgctgtgc tgnggnctgg aacnattcag acaagnntag 540
aattnttnac catatggctt gccaatttca tgcagtgggc cccgnacggt anaacacttt 600
ntatttttcc 610

<210> 2955
<211> 596
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 2955
accgaggttg aagaccgttt cgaactccgc gatgagtggga tcaacatgga atccggatat 60
cgcacgctcg atcgcatgaa gaaagctggc cttaccatgc cctctggccg tgaaacagcc 120
gtctacaaga acctcaccga aaaccgtgag tacgcaggtc gacctctcgc ggggtgttgag 180
cgcccaattc atagccgacc tttccgcaa gagctcgcaa atgccgagga actctttgca 240
agctctagga aagatcgcca tccgagcgtc tcaaagcggt gcgcttccgt caaaagtacg 300
acctcgcgga ctacgactc tacctcgaac ttttgcaaga ncgcgatcgc atcatgaaga 360
tggtgtctaa atccccgtct aagctcccgc cgccgaaaag gctttcgatc agcgtctcga 420
taacatcaag aanaacacac ggaaagaatg ggcaatgggt cgtgataact accanccttg 480
gaaacaaaaa aaaccactct gttctnngat ntgcgccctt cgaaacgctc gccacgcgcc 540
ccgaggaaat ctcccccaa atgcccgngc cttctcgatt ttccacccca aagcct 596

<210> 2956
<211> 166
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G

<400> 2956
nttctgtntn ctcaccccgat atggcngcca tccntncaat gtccatgat gccnccgccc 60
ggaagctgct taactaaaag ganacncccc cgcccatatt ttacttggga anaangtggg 120
gtggtggtcg aacaaaaaag nttttagtcg nggacnaaaa aaacat 166

<210> 2957
<211> 628
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 2957
aattgccgaa acatcggttta agcatggcctt ggatgtttttt aaaaccgttc taacagtcga 60
tcctacagcc aataccaggc gaacattaac gagaaaaagc cgtcctacca tttttattgg 120
tagagacata gcggtattca cagacataac ttgtcatggg atctcaaacg agactcattt 180
tagcacaacc aaacaacatt ttaccttatt tgtatgaatt ctaatgtcat cctcatgata 240
aaaccagaca ggtgggagac caacaggagt tgtggtcgag catactgcag caacgcgaga 300
cgcgaaatggc cgaaccata cggaaaatag ggtgtctact agcaacacta taccattgaa 360
acatgggtggc caggaacaaa tgggtcaaagc tttgaanaaa gaagcatgtt tctcttttgg 420
gcgtcaggga caaaataaaa aaaancagtt ctgatggaag gaattgatct accaaaacag 480
aaccaataga ccaacttggg cagggattgg tgaggctgcc natatggatt atgggtgggca 540
attgttcggc ncccggacat taaacaaact ttttncacaa ccccgnttgg ggccgggngg 600
cccanttttc naccttggaa caaacatn 628

<210> 2958

<211> 469

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(469)

<223> n = A,T,C or G

<400> 2958
acgtgctgct gtcggattta cctgaagaac tcctttgtcc tctgggaacg gaaatatcag 60
gttccccacg tgagaaatct gcttcccctg attgcgtgga ggctgaactg cctgccccca 120
tgtccctggt agtgtgagcc ctcaaagcca gcggggcttc tgggctcttc ttcgctatac 180
aagttgacgc tgaactgccg catctggata aatcctctct tattgcctgt cgtgagcggg 240
tacgaagcaa cgggtgctatg tgatcaggcc cggcattatc gcagcgttgc tggagactcg 300
cgttttctca agggatcaaa ggaatgtatc cgtcatccaa aggcgtctgt actccccccc 360
ttgtcgcctc actttctggc tgggttttgg ttagccgatg ccttcatttg aacggacata 420
gcttacagta nccatccgcc tcaacactcc ctgcgcttcg tggcaccta 469

<210> 2959

<211> 588

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = A,T,C or G

<400> 2959
gcgcaaaact tccatccacc gcggatacga cttgatgaag gaggtatcac agcactcgtc 60
agtcagaagc ggaaaggaga acgatggcca gggcaaccgc cacggggaaa ttgatggagg 120
cgaagaacaa aagagctggg cgagtcaggc ttgcagaggg ttgtaacggc ccagtattgt 180
ggaatcggtt atgtataagg ttttgttttt aaggaagtgt cggtttgagt cgccctaattg 240
ttgcagtata tacttgtaca atacctgagg atggacgggg cttagtgaan aagcttgtct 300
gacttgcagt tcagangacc ccggtcgggg gtttgaaaga ggaatgaaaca aagaacatat 360
ccagccagaa gcatctgaga atggaactgc gattagggcc ggaaccggga aagctactgg 420
cgttggcgca ngttgggatg ggatgggctg gaattccgac gggacggggc natacaaagg 480
aaatgtttcn aaatcnacca tncgggaaag gcccgaaagg attcttatct cttggttngg 540
catatatatta cagataatna tggacttgtg ttgttttnatg atcatacc 588

<210> 2960

<211> 106

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(106)
 <223> n = A,T,C or G

<400> 2960
 ncggacaagg gcttgattgt cttccttata gaccgcgng aggggtgtccn naccaagcan 60
 gatcangacc tcttctctac cactgatggt acagcttttg tgacgt 106

<210> 2961
 <211> 284
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(284)
 <223> n = A,T,C or G

<400> 2961
 nccaatggca aganggaccc ctantcctta tataagcggg tggngtntt ctccatttac 60
 ccgttcnata ctttcttnt ttatttngtt tnccttcgca tttccatgtt ncccgnattgc 120
 tntttcccat gaatgtnaaa ngaaatccnn ccaggggaca natgacantt atnaatgttg 180
 cggacggaca atntaacctt gataaccctt ccaanaaaag taaagacaga antntgaaat 240
 agtgaagagt ttgtganaaa attgggacna atnaaaaaac gagg 284

<210> 2962
 <211> 455
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 2962
 ntgggtccccg tcgcccgtcg ccagctgggc ctccgtnttt tctcattctc actgagctcc 60
 atctcccgac cgacgcaatc cccgatcaga tttcctgttg acggcatctg tttcgacgat 120
 tganacnaat cgnctgttca ttcattccatt cattttcgng accgtttttg gcgggtctaca 180
 agtttcgatt ctgcttgnac gattcttggc caggccgact tntagcctcc ctgcttggcc 240
 caaacgcgcc ttaatttccc gccgctcgcc ttttactttn tnggccgaca aaactccatc 300
 aactggttat acttgccata tccattggct tcgtttttgn ctcacgctct angccttgaa 360
 aggccctact tgaaaaagta gggnggatat accnccccga ttttgtttgt tnggggccac 420
 gttttacaaa atcaaaaagc aaaaatggcc accca 455

<210> 2963
 <211> 442
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 2963
 caacaacatc caacaataac atcatttcta accggttaat ttggtgggtc gcatctcaca 60
 tctcatcaca ggccacatct tatcgcaaca caccacatca tcaatcatat catggctgcc 120

aaatggtctt	tcaaagccca	accaggcatc	ttcatcgaac	tcaccgacat	cgctcataac	180
taccttggan	aaaaagtcac	aacccaacca	aacttggggc	tcacccccgg	ccagtcatac	240
ccttcgacg	atccagatgc	ttccgatcag	cgggattggg	cccgctctcg	acgttatgtg	300
acatggctca	ataagaacag	ctcaaacaat	gtcgcataca	aaatcctata	cttgacgcca	360
cacngtcttg	gtgtgcataa	caagangcac	gcncaagttt	gttcagaaac	atngaataca	420
naattttctt	ccaaaacggg	ga				442

<210> 2964
 <211> 623
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 2964						
ccctcgctgt	tcttatctcg	tcacgcctct	cggattatca	tctgacaacc	ttttcatgaa	60
ccggaaccat	cacccgaacc	gcgtccaaag	aggcggtaaa	tcgcgctaca	gaccattaaa	120
attccgactt	gtacccttca	aacgagcgcg	tttgccnct	ttgctggaac	aaccggggtc	180
tgtagaagg	acctgnttan	tctcgacg	cgctgganac	tgacgggttg	cctggcagcn	240
aagctgttcc	tnctttggcc	gcggtgggg	ctaggtagca	ggcaggtaag	tcacgcagat	300
tgctgctaca	cctaategtt	gcaggaatgt	cgtcttcacc	atgcctcgat	ctcgatattc	360
aacactccac	caaggccgtg	atacaatggc	agtccgatac	cacgacgcat	attctggcta	420
agccagaccc	tnaagtcagc	tccgggacac	tcaacttccg	cttttnataaa	anatgtgctt	480
tnttcaaaact	gagcgttcct	gtcaaaaaca	aagggttag	accactacg	ggcggtaaat	540
tacgcgcatg	cgctaatca	ttgntttttt	ggcggggggn	aaaaccccg	cggggttata	600
aaataaaaaa	gagttgaatt	gcc				623

<210> 2965
 <211> 488
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(488)
 <223> n = A,T,C or G

<400> 2965						
cggataacga	gcagcatcct	attttggata	gctactctac	tttgtctcag	gatattctta	60
ctgcagttat	ttttacaagc	gaatatagta	cgggcggtgt	ttagtaaagt	ccgcaaagtc	120
cgccgtggta	gtatttttta	atcttgcat	tttaacgcat	tgatgctgtt	caataatata	180
ggtcccccga	ggtatatgag	cttgtgttg	ctttggttta	tgatcgacag	ctacagttaa	240
ccggtcaaac	tttagtttgc	aaataagana	ccttaccggt	atgttaatgc	tctgaagctt	300
gagcttgagc	ttangccang	aagggcattt	gcggtggatg	tgtaggtac	ccctagtcac	360
agtcacagtc	ccagtgatct	ggctcagaat	cagggcgag	cggccgactc	tgaactcaag	420
gcttggtcat	gtcctgtcat	gcaaagggcg	gcggaagaac	tgtcngtcaa	aattgtcaga	480
aggcgttt						488

<210> 2966
 <211> 164
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(164)
 <223> n = A,T,C or G

<400> 2966
 nngaaatacg tgnattgata agctcgatng gctntgggca tttattttat aacgcctgca 60
 tcncggtgtc ctggaatctg agagttgtng tgagancnag cctntctat gggggcctat 120
 antcgcggtt acagatgnnt ttgctttntt atatacnnga gaca 164

<210> 2967
 <211> 107
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(107)
 <223> n = A,T,C or G

<400> 2967
 ncnatactgg caccatganc actggccnga aagacgacnc gngggacnt aggtcctgta 60
 agatngctgc cgtcaccgtc atccaantcc actgncngag ggataaa 107

<210> 2968
 <211> 434
 <212> DNA
 <213> *Fusarium venenatum*

<400> 2968
 cgcgctatca aaagaggcgc cctcacgcct gaagagaaat ctactgctgc agggaaagtc 60
 atcggcggtta ttcctctgct cgatcaaadc gtgcaactcc ttcccgtac ttcagcagca 120
 catctctact ttgatctcgc ccgcttcttc gcgtgtcaaa ttgactcgtt gatgggtgca 180
 cccgatttgc aggagatgca agagactatt gatacaggaa tgtttacgga cgactgggtc 240
 aaggccatgg atacaggaat gccagatgcc tatacgcttt tggatatggg atatcttggg 300
 atggatcaac cgatgatgga tactgattac ttcatgaagt tggatgatgt gaatagtgtt 360
 ggtaggaat gtttgttttg accttgaaac ggtagagaat aactcgagta aggtaaattc 420
 aagactggac tttt 434

<210> 2969
 <211> 249
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(249)
 <223> n = A,T,C or G

<400> 2969
 gcaaggtggt ttgagaggaa ctctgcgccc agaggttcgc gccaggtcgg tcggaggcag 60
 agagcgatcat cttctactgt tgcttgatt tggatatttc cctgtgtcgc atgccctatt 120
 agtctatgcc taaatggcta agaggaagaa ttcttaccga gttcacttga aatgtcaccc 180
 gtcttcggtg atttgattga cctctntaac catttttaaac gtcaantcca naaaaaataaa 240
 aactgcgag 249

<210> 2970
 <211> 601
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(601)

<223> n = A,T,C or G

<400> 2970

ctcganagaa	gtccccgacag	gttcatgagt	gaggacatcg	caggccggtat	ggagatctga	60
agcgtcactg	gaggcataag	ggacgaaatc	attaggtcag	cttatgcgac	ttagccaaga	120
ctggagggttc	tttattttca	taccctaaga	cttcgggctg	cttctgctat	ccactagtgt	180
cggctcttgtc	aaacccagct	ttcaccacgt	tccttcgaaa	ttactttcgt	tacgcttttt	240
cgacattcaa	caactgtcacc	tcaaatacgt	tactcgatcg	cagcaaatac	agacgaaaga	300
ngctaagcaa	cacaccactt	ttcttttaac	tctctgtttt	atggacgctc	ttgcattatg	360
ttttctcttt	cagcacattg	ggtttgttca	taacgaaagc	gtggggggccc	gggtaaggct	420
tcttggtcaa	gtgagaagcg	ggtganatcc	gcgacatgaa	gcgtttcccg	gtatccattt	480
ccgcctgctt	ttttttttcc	tggcgataaa	gcncnttaa	tgactttttt	ggggcttttc	540
cttttctntat	cctgtttatc	natacccttg	tttcgggttt	nggcatacgc	tgtttgcttg	600
g						601

<210> 2971

<211> 625

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 2971

caagattctt	caatcaggcg	gcaataccaa	aacagatgta	cagacattac	ctcttgtttt	60
ccagcttgat	ctacgacgac	tcgacgagac	ctttagttgg	tttgngggtt	taagcagttt	120
ccttaacatg	agtgtcttca	tcgcctcaag	tcctgcccc	acacaaaaac	cggtcactgt	180
tgcacataaa	ccccgaggag	ttcgatttga	cactccagtc	gacccagacg	acaaatccgc	240
ggcatcagag	aacaagatca	atctgcgtat	tggaggctcg	tgggtggaac	tcatttgaaa	300
agactgcagc	atgatcgccg	aaacaagtgc	tatcaagctc	ataagtcgag	acgaagtcac	360
tggcgtggct	tgtagtatga	tacgggtatc	tggacctcac	ctgaagaact	cgacggccga	420
ccccctatca	atgccgaaat	tggnggtggt	cgggtggagt	tcttgacaac	tcccaaaaac	480
agcgatcttg	aaaaactcct	cgagctgatt	atccttcgaa	acatcagttt	gatggggaga	540
accaccaa	tatggtaa	cccttctacc	cacaaaaaaa	aacggttcgg	ntttgagggg	600
taacngggac	acaatcagtg	ntcga				625

<210> 2972

<211> 113

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(113)

<223> n = A,T,C or G

<400> 2972

nccacatcga	ctnttttnatc	ggangncgaa	atgttttgct	ctttgcacac	acgatgaaga	60
ggctcccctt	cnccttttta	gggggggctg	tcnaggaaac	nactttgaac	aca	113

<210> 2973

<211> 360

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(360)

<400> 2976
 nggttgccct ctataaaaca aaaaaccncn atgcttttga cgtggatgtn ataagagatn 60
 ttantgacac cccgggctaa aggaggagat ccccttgctt gcgcacctt gcanttanat 120
 aaactgnggc ntaaaattac ccgtggggat aatttgngat aaaaattggc tcaggaaaca 180
 aagtttggcc 190

<210> 2977
 <211> 141
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(141)
 <223> n = A,T,C or G

<400> 2977
 nttantttgc taagaatgaa tgctntttct ccatctggcg tatacaanga tgaccncacn 60
 gaacgccttt taacacatgc cntgacaatg cgtacngagg atnaangtga cncatttgaa 120
 cagagaccgc gnattctcng t 141

<210> 2978
 <211> 360
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 2978
 ctgggcacca agcctcccag tctggatgga aagagcatca catcaggcac aacatttgcg 60
 cttgacgaga aagaatcgct aagacctgac gatagcgaga gtgttaaagc cgccgcanaa 120
 gatgatgatg ctttttctat tcgtggttca cttgttgctg gctctcgcat cgggtccgag 180
 gtagctgctc gcgcccagg cattcccctg ggcgatattc cagagcgag gttaccacaa 240
 caaactccag gtgttgcagc tcaaggggtc ttaactccca aagttcttcg tccgaacaac 300
 ccgntagtgc ccctctaggc gcaactgggt cctcagatgc gcttggtgct atttataggc 360

<210> 2979
 <211> 150
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(150)
 <223> n = A,T,C or G

<400> 2979
 naagatgggt gaaggcaagn gnagcttatg antcattgat tntngtttag caagcttnaa 60
 aanaagcana ggaggatcgg tctantnggc ttttccacan ttgctctcct atacnacngg 120
 agtttaangg ttntctgcggt cnacaaaaat 150

<210> 2980
 <211> 112
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(112)
 <223> n = A,T,C or G

<400> 2980
 ngggccact gtccnttgn tggagncttg aaaaaaagtg tgtnttgaat accatgttac 60
 ctctntaccc ttgnaaaatc cncatntac cgactttctt gtntnaaat aa 112

<210> 2981
 <211> 528
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(528)
 <223> n = A,T,C or G

<400> 2981
 cgaactcttt aatagggagg catggaagaa gtcggccttc gctatgggtc tcgctatata 60
 catctggatg tcccctgctg tagtcatttt tacttcggca acactcagtg tagtgacaga 120
 tacgagagcc gaacatggaa attgcccacg tgtccgaacc ctcaacttta gcaatgacgc 180
 caagaaaagc tgggacgacg ataaaaagagc agcgaacgag acaatgcgtg gaatttcctt 240
 atcaatgttc aatcaagtca tagcagacag ggactctcct tatcatttcg actactggct 300
 ccagtccgcg ccgccacttg attccatcgc gtcaagggtc ttanccggag gacagccgat 360
 ccaaaaagat gaagtggctg atganatctg tgganaaaact gggactgtct ccactattca 420
 ctttnttggg cccggataca aatgcgagca ctgcgcaagg cccactcaca atgaaaagtt 480
 caaaaattac aaacccttta tnctaccaa atgtgccgcg gaaancct 528

<210> 2982
 <211> 176
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(176)
 <223> n = A,T,C or G

<400> 2982
 nctantttgt gacaaagacg nnccttctgc gattgggctt gagaagtagc tataggaagn 60
 taaagctatc tctgagcgtt ctggacgaac cgacatccga actngtntac tctctganga 120
 agacttntac ntaagaggga cnnngtgcta ttggatncga gnntagattt atcttc 176

<210> 2983
 <211> 231
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(231)
 <223> n = A,T,C or G

<400> 2983
 nangcttcag nnaagacatg agnacactga ggantgctca cgcttantgc caggaagact 60
 acaggactta aatnncatac tcaatgggag acttaaggan ttnatcccn actgagaaaa 120
 aaaganaagg caacgaagtt tgattcttgg atgaaattcc anttacatta aaanccggtc 180
 tcgtanagga aaggcccaa aattcctgnt ttanaagagg ccgaaccagc c 231

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<210> 2987
 <211> 184
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(184)
 <223> n = A,T,C or G

<400> 2987
 naaaccccnng ggcaaagggtt gnggggnccct tgaccatgca tttanaggng ccaaataaac 60
 ntttcngaac ntaancagtg gcttggtccg gggattaaaa ctgggncatt gngaanaccc 120
 ttgtggnacc gactcaatct cnttttcgga aaaaaatttt taanttggcc aaatgnaaaa 180
 agcc 184

<210> 2988
 <211> 157
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(157)
 <223> n = A,T,C or G

<400> 2988
 nggcnattc cccctatcgg ganaagnaat aacaaaaact ngccaccttt tacaacgggg 60
 naaatggnaa aaccccgccg atcccaattn atcccttgga aaaatccctn ttccccagcg 120
 ggggtatagt aaaaaggccn naccgttccc ttccaa 157

<210> 2989
 <211> 174
 <212> DNA
 <213> Fusarium venenatum

<400> 2989
 agcgccattg ccatggccgt tagagcacac ccattaccag ctctcggcct gtcaagatat 60
 gcacggatca atccctgagc agcaatcaaa cagaacgagt ctagcgggcc aaagaacaat 120
 actaagcatc aaagccacaa aatgcaagaa caataactaag gccagcctct cccc 174

<210> 2990
 <211> 160
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(160)
 <223> n = A,T,C or G

<400> 2990
 naaaanaaag aagnacttat caagtttntct ctgcgcgnca atacttcnga aacaagtctt 60
 ccaaanaaat gtcgacaana ntttcttgng acggtnganc atcctttaaa ggggccaat 120
 tgccctntng ggagtcggnt taaanacatg gccgattttt 160

<210> 2991
 <211> 102
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(102)

<223> n = A,T,C or G

<400> 2991

nacgggttnc	aaaancttgn	cccttttttnn	aaaaaccgga	ttggganacc	ctggatnacc	60
caaattattt	tcttggcccc	cattncctt	ttngggaata	nn		102

<210> 2992

<211> 243

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(243)

<223> n = A,T,C or G

<400> 2992

nttcaagctc	cttgcggatc	atgncgtaaa	gactttgggg	ttgtcgaggt	agagannctc	60
ttcacctcna	tcatcggtcg	ngcttgccag	ntatttagan	gcccgtgcn	atggnaccna	120
cccgaagcn	cctatganct	ctgacaacng	ngatattgtc	acgcaaaaaa	canaccgctg	180
acctcaacct	gatatgtcat	gncagggggg	gaaanaagct	ggatgcgaaa	nctgntgggg	240
tct						243

<210> 2993

<211> 102

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(102)

<223> n = A,T,C or G

<400> 2993

nttttggggg	aanaangggg	attttcagcc	ccnctnaaag	acctcgggac	cccccttgcc	60
natccccttg	gnaatanaaa	tgtgtggcng	anaaggtanc	cc		102

<210> 2994

<211> 280

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(280)

<223> n = A,T,C or G

<400> 2994

gtcgacttca	tcgacaagga	agtcgttcct	ctctacaacc	gcttcgatga	ctcagctgcc	60
ggccgtgtca	aattcgacna	tctctgggcc	ctattccgca	ctggcgatct	catctacatg	120
cctgcctctg	gcgagaccgg	gggacgatac	cacgaagtgt	ggcgtgtgta	cagaaccgcg	180
acccagagcc	tgaaactctt	atcccacatc	tggctggggac	ttcttccccga	tgagcagcna	240
atgatgagaa	ctccaagtcc	aagatttccg	cttactacat			280

<210> 2995

<211> 129
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G

<400> 2995
naccgttttn actggtaaaa ccttggccta accanattat tncctcncg ggccaaccgc 60
ttttaacncc ttggccaaat aancnaaaag gtcccaaaaa aaggnccttt cnaaattttc 120
cccggggtt 129

<210> 2996
<211> 205
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 2996
nntatcttaa cttggcaatc ataagggnat aaangccatt gnaagnggct nccctgatca 60
aataatgaat ntcangctgn ccggcgaaaag ccgtggatga ccttaatgtc tgcggaaagc 120
tcaccacanc ntgatagggg annatgacgc taacaaagct gccatcgan ttgaaagccn 180
tgtggatgcn aangtagagg ctggt 205

<210> 2997
<211> 159
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 2997
ngcgggcnct atancctgcg cactggacag agttgntttt tttcatacga cactntgatg 60
aatgccctca aangggagtt tcncggagg gagaaattgg gtcaattcaa aaggttttga 120
taaaaaaaaa aagtcccccc atgggggtggg ntngagttc 159

<210> 2998
<211> 111
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

<400> 2998
nactgattta nagaccatng caagctgngg aatgttnntc cacgaggagc aggatttata 60
tntggctccc gcgggggaca aaaanaattg gtgaagaata gtcgaagtct a 111

<210> 2999

<211> 440
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 2999
 ccaacttctc aacttcatat gctgaaggct ccgatggcaa ccagacagag ttcctcaaca 60
 ctatcttcga aaacaccggc gccaaattag aagccggctt cccagtgtct gtcggtgata 120
 cctttggcca gttctgggga acatggctcc ctgaggacca actttttagt aactactccg 180
 acgttgctag caatggcaca gcctttgcta tgggcgaagc tcctatgccc atcatgtgct 240
 ttgcagaagt cgtacctggc aagtcaccgc agatcggaag gctcatgttt ccaactcgca 300
 acacttccaa tctcttcaac ttgaccgcct atgaaatcac accatacaat ttggtttttg 360
 ggctggtngc cgtnttcaac tttcatacca accaattntc tccgcacntc catntttgaa 420
 ggcaaaccac aaaanaaaac 440

<210> 3000
 <211> 602
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

<400> 3000
 cctcggatca cctgcgccgt cgtaaaaagg ggtatcgcca aaaagagaag tatagtaaaa 60
 ccagtttggt caagaagcag agttactgaa atgaacatgt attgtttccg cgtcgccgac 120
 gtcgtccccg ctcttcggctc gtccactctc tttgcggcag cagagttgag tgaagagatg 180
 ttgagtgata acaatgttaa aaaggtcttc agccagtggg atgcaccagc aaagaaagaa 240
 gcaaaaatttt ggaacctgtg tgctttgtca aagacaggcg cgatgaacga aaaaacaatc 300
 aactttctgta aaggcaaadc cttaactcct ccaatgttaa ccagcacagt gtcaccctgc 360
 aaatgggtatc cttgcgtttc ctccataaaa attagccgcn ctttgccagg tttaaaagggt 420
 taaatgaaca accatgaaga catngatgtt ttcgcaattt tntttaccac atcncgaaac 480
 ctcagattcc tttccttaca ccccccttac gaaaaacgca cgaaagcncc acacnccacc 540
 catgggaant tgcccacaat aagnactccg cgttttctag gaaccgaaaa gccccaaaaa 600
 cc 602

<210> 3001
 <211> 469
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 3001
 tcgagagggg tttcgttttc ttctctccga gacgcttgct cttgagatgg ttcttgaaac 60
 aacgaaatta gcatgggatt ctcccaccca tcgacgccgt ctnacgaacg ccaagcgcgga 120
 tctcgatoga aacctcgccg cttcggctgg tggcaatggc tcaagcctng aaaacgagcg 180
 tcgtgctgaa gctntgttcg aatacctgcg gagacagtac tggcctactg aggggtgacga 240
 agcttacaag tcaaaattat tcaaagaggg ggcggcgagc atgggagtgt acnatttggt 300
 gaaaaagagt gtaaaacagt aaaatagggg agcattataa cggcgcttag ggaatcacga 360
 accatctcct gacgatattg gaacatgtat attagcatac aaagggccat gtcatgcctg 420

tggaacgaga tacaaagtca tcttaaggaa tactggtnga ggatgaaaa

469

<210> 3002
<211> 407
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 3002
tatgctcgga cttttgtgat acccttggga aaattctcgg ttcaggtact gatggatcga 60
tctacttttt ttttcttttt ttggcttgaa cttgggaggc gaatagagct tgcgctcgct 120
tgcatacaat accattattg ttgacctana gtggttggag gagaggcatc ggctttacag 180
cggacagtgc cctctgtttg aggaggttat tgtacaatga ccccatgtgc ttatacacac 240
tgcacaaact agttggccag catgttttgc catagggcga tcggagtttt ggttagcggt 300
tttgcgccac aagcttccat gaattacgaa gcctgcctgt ttgcttacc atataacttg 360
ccccattta aatatccata aatcccacgc cttgttttga tncgttt 407

<210> 3003
<211> 521
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

<400> 3003
gtcggaggaa cgcaaagtga acatgacgag gtgccgttga cgagagacga tgacttccag 60
cacggttaca attctggtct gggacgtatc agcgaagaag aaccacgacc aggaatggct 120
atcagcacgc caggccatgt aagcagtcct attcaaccat atcccggacc tcgcccgcac 180
ggaggggggc cattatggca acagaatcgt ggacctggat ggtttttaatt gtgtataata 240
cgacggagga aaaaagagga gacagcacat atataggttg tggatgatgac cacgattatg 300
gttttcgcttg ggaattatta cggcgtttgt tggccagca tggggagtgt gtatccgggg 360
ctgttttatc ataaagaagg gctgtaatga gcgattcaag tccagtgaat agatggactt 420
gcggtatggg gataacgaaa tacgatggc cacngncatg aaatattagg ttcattggta 480
gatagttacc gtacaaaaga aaccgancg ttnttaacga a 521

<210> 3004
<211> 206
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 3004
ngctgacacc gacttgaang gcgcgcgcna nacaacattg accnggccaa acgcancagg 60
catcgattgc gatcganana tttctatcaa cctgcattct tatctcatct aatctnatct 120
catctcaccg nntcccatct gaactccccg ngccganacg cgtnttgccg aatgtttatg 180
tattcgcatc gcccatgggg ggtgggt 206

<210> 3005
<211> 250

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 3005
ngcgggggta tggaagaagt agacgccatg atggacaaga tgncttgcca actanactca 60
acgcgnatca gtagtcangc cgaagccgac gtgcttacat gangaaccac cgtcagccag 120
gatagaacna atcttttnaac ntgttctgan gactcgggaa tctttcattg aggganaaca 180
gaggctttttt tcagaaccta acccgcggnn tgcangacga aaccaantg ganacctgtt 240
aacgattcta 250

<210> 3006
<211> 144
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 3006
nctgggcgnc atttanancg cttggaatgn aaaaancctt ncggtaccna ncttaatagc 60
cttgggggcg atcccatttn cctgcttcgc taatnccaaa aagcnctcnc ggggtttant 120
ttttaacctt tnaaaaaaaaa accg 144

<210> 3007
<211> 357
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 3007
ngggggttttt ttnnttttgg gtaaaccac cttagacgac tcataatttg acttctgctc 60
gcatcaatac aaatttccac agaaacaaag gcaggataac gatcaagtcc atcccctcag 120
cagcgcaggg ctttccctct ccatcctttc cagtgaagaa aggaggcgag tatctttccc 180
tcattagcac cgccaagttt tgaaaacaaa aacctttcat ccccatgcaa agttcgtagt 240
aagaaaaggc cagcaagtta ttgtgttttg tcgtaaaatg gtgaggggga tagtagaaga 300
aacaggacat gtttgtcgaa tagtttgatt gaaccacaac atccacacat cttcaa 357

<210> 3008
<211> 104
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 3008
naaatngat cntgggactt ttgnnataac cngctgatat aagaatcttg atatcaatta 60

gcatacattg aacgtataca ccngcactac ggattgaggc ggac

104

<210> 3009
<211> 112
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(112)
<223> n = A,T,C or G

<400> 3009
ngngtgtaat acaatgccgg taaaaaact ttntgaanta tctttcccg tgtctgggtt 60
tgcnaaaaaa atctccttaa tgtggncaac cagagnggct tctaanaaaa tt 112

<210> 3010
<211> 574
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 3010
cattcagttt tatcaaagct aattgtcata tcaacaccaa gataccgcaa aatgtcagcc 60
ccaacgcatt caaatatgca aacaccaccg aaagatgaga gcgactcttg cagtcggcca 120
acgcatcatt tacaagagat caaagtcgga gataacagcg ttcagctctt gttgtcgaca 180
aaagatcacc tctatgacgc caaagacgct ggagctggag tcaactgtta tcaagttatc 240
ggttcttggg aagaagctca gttcaggaac ttgccaagg ttttaagcaa cgccaagtca 300
tcgaaaatcg gcagtcact acgtacgctg aggcactctg ctttgagaga catggggcag 360
gaaagtctct agcngaagcc aagcgaacaa cataatang ctgtgaacgg gccgcaaagg 420
anaaaatgaa actatcttgt tgatcgcata taccctccac tcacgcaaac tcgtctaccg 480
tactttcatt gcgcccatac tgcccgggtt ctggatntca ncacccggtg aaactacctc 540
tgaaacngac ccaagaattg aacgatcgtc ccng 574

<210> 3011
<211> 116
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(116)
<223> n = A,T,C or G

<400> 3011
nagagatana ctttctntct ctccctgtgg taacaangtt tagaactctt gcctgcagga 60
atcgngaattg agtttatagg ccctaaaagg ncttatcntg angtcggaac actggtt 116

<210> 3012
<211> 278
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(278)

<223> n = A,T,C or G

<400> 3012
gttactagga catctgcggg tttctgattt ttttactctt ctcttctttg gttctgctta 60
ttaggggtta cttctcctct nataccccag aaaaagctcc tcccaggggtg cagggaagggg 120
caaaaaaac tttgcttttt cacaaaaatg gcggtgggct tttttgctaa tcatgaatcc 180
ccccttcgag atataaaaaac ngatgatgaa tggaatgaat atggatggat atgaccaaga 240
cgagacctcc cccacangga tggaangaat ggtacctc 278

<210> 3013

<211> 601

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

<400> 3013
naaaaagctn caactggngg anaatacttc ccangettgn aaaaaccacc ngcttaaaaa 60
tacgaaacct tttnttttagt acctggagcc agcgggcgtc cccaacgcgg gagctttttt 120
gcttaaggnc agcaacaaca gcaacccccca ttcaaagcac gaacttcaac gcacttttaa 180
gtggccacc cncatttggg tggngggcgg ganctggcgg gaagaaccgg cccaagaac 240
ctttcggtgg gaccttaagg aaggacctta aangggggtc ctttttggtn caccaaagga 300
cttgggaagc gcttcccccg tcacaagntt caagaagacc cgacaacaaa gccgagttca 360
accccagtg ctcaaaccat gcccccaaaa cctggtaaaag cagggtccaa cgacatttga 420
agatatgggt atttcacaan gaaaagcgga ccnggattgc gtttgtcatg tagacctggg 480
gagtagatga acaagatcac aatggngngn ggaagcattg aataattgat naaaaacaca 540
taaagctttg gacanggggt tttttttgga gttaagctta anaaccggaa acattgggtat 600
t 601

<210> 3014

<211> 209

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(209)

<223> n = A,T,C or G

<400> 3014
nccaacttaa tcgttttacac cacatgcctg ttaaaccctt gcgtacccaa aaaaagcccg 60
tgcngatcnt ctttctttcn gtggtggagc tatacgacag gagttaacgt tacnctttna 120
aaagagancc gtttaactgn tgggngtgnc gtacnatttt tgcccccgcg caacggtggg 180
atcccttccc aggacttttg gtccccagg 209

<210> 3015

<211> 613

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(613)

<223> n = A,T,C or G

<400> 3015
gatactccag tcatggttcc tactagctta tcgtacgcca atactggact cattcccacc 60

gtaacatcca	tagcagcagg	tggaaacaac	actttnttta	ccgtagacgc	aaagacttcc	120
accatttcctg	gcagcaaaaa	ggctctggcc	cggcgagaa	ggctcccgcc	tataaccacc	180
gacttggtggg	cttgcgcca	aggagtctac	ggaacattgg	gcaccggccg	ttggtcacat	240
gtgtcccca	agccaactaa	ggngaagggc	ctgtcgtctc	tcttcgaatt	tgacgaaaat	300
accaacacga	tgtgccctat	caagctcaag	tctntttcag	tcngcgctac	ncattggtca	360
actattatgg	ataacgtgac	aganctctcg	gtgtctaaca	agggaacgga	naatgaaacc	420
actggngct	gatgtctatt	ctggggnggc	aacnaacact	tccacttggc	ctggaaaaaa	480
acaaatttaa	cgccctgcta	tttcactnt	gatatccaca	aatctccaag	gaaggcanag	540
gttcacant	gggtgtactc	tccanaaatc	cctggcgggg	aaggggnaaa	aatnttgacn	600
aaggtaatg	gaa					613

<210> 3016

<211> 145

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(145)

<223> n = A,T,C or G

<400> 3016

naaangagtc	gtattgaatt	actggccgtn	gttttacaaa	tcgtgattgn	gaaaacctgg	60
gggacccaat	taaatccctt	ggagacaacc	cctnttaaag	gtggcggaan	aacgaaangc	120
ctnccaaatg	gcccttacca	atagt				145

<210> 3017

<211> 628

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 3017

gaaaccagaa	cacgtggcat	tgaagtgggtg	tagcttgacg	agggggccaga	tgcctgtacc	60
aacttatgat	gaaggcgct	tcacttgatg	aacaacgaac	cgccaccgac	atttgtccct	120
ggcggcagca	naacagacca	atgctcatgg	ttggtgggta	aagaaaggct	gaatgatggt	180
tctaataata	tagggaccg	ttcgtccttt	taatccgcaa	gcgccacgaa	acagggcgac	240
acgtatctcg	gcgagtctat	tcaggcgatg	ctggccgaat	atggtggagc	aacccaagag	300
gggggctgga	aaaaactcan	cgccaagggc	gtattcaatg	gattggaagt	cgggattctg	360
aaaagtccaa	tttgcaattt	cgaggcgaat	angatcgtat	natcagttcc	atgatggagt	420
ctgnganatt	tttacgactt	ctttcgttta	catggcggan	ctgctcggga	acggcccaag	480
attaacgggg	ttcttttggc	ggnggctctt	ttttaacctt	ttcgtcttgt	cntttgggga	540
taaatnangg	gcgggtggcn	ctcagaattt	acttgncaaa	ttttaatcnc	ggngnaacna	600
accngccgag	ncttttaccg	gtggaatt				628

<210> 3018

<211> 119

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(119)

<223> n = A,T,C or G

<400> 3018

nattaaagag aaccttttgggt ttttcnnact ttgccttttgn ccatgaaanc agactcatga 60
ntaaaactcc aattatanaa gntcttttgc ttttttggga aggtaanaac nattcttaa 119

<210> 3019
<211> 175
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(175)
<223> n = A,T,C or G

<400> 3019
nccgccntgg cttaannaat gaccttttgtt catttttnatg gaagnttntt cgctctccca 60
aacgggaaga tctggcgaat tgnngggttnc cgagganctt tngggcacia actgtttgaa 120
aaatggcaaa atgaatcntg gggccgggtt ttggaatgca atgnaaaagg tgtct 175

<210> 3020
<211> 590
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 3020
catgatcaat ctgtttatcc atcgtgggca taaatcgtca ataccttccg atacacgtat 60
atcgaacact gttgttactt gaattaccca aaaaataact catttactat taccatatgt 120
ctaaaagcac cacatcgtga caacgttgggt ttcacaaagc gttgccaaga ctcaacgtcc 180
gcatcccgac ggacattacc ttcacaaagc ccatgagata ctctcctgaa cagggtcaaca 240
ttgaccatca tcaagtactc actcatctga ggctctctaa tcttggcata cagtctactt 300
cattgaaatc atcctactac tcacaacgct caccactaac cactcacaat caatcttatt 360
tagctgccta tccaagctac gtcaacaaac gaaagccacg atgcatcact aaccaagaaa 420
tctgtagtgt cctagtgtact tgtatctaga tagatcaagg ttgctgcctt attctgcggc 480
tgaaatcctt tgaagcatgg aatggatgaa atngcattga attgggttat gttcatacac 540
cttttacata agcttacttt tgttatcgtc tgtatataat tataatctag 590

<210> 3021
<211> 104
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 3021
nngttttaca gggcttaaaa gtncttttngg gaaattctta cctttgcctt gnccgnatth 60
ttaaancnnt tgctgggnaa aaccctgggg aaccactta aatg 104

<210> 3022
<211> 142
<212> DNA
<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(142)
 <223> n = A,T,C or G

<400> 3022
 ntcttttttg gcgaggaatg tacttggttt ttaatcgact tcgaaaccaa gggngnnaaa 60
 ccatcaatgc ttgaactttt gatgaggcc ccgnagangg actntgaaac ctgctnttaa 120
 aatnnccaac ttaaacagga cc 142

<210> 3023
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 3023
 gtttactctt taaatcgcaa agtaaccatg gagtcttggt ctacgtgtgc aactatcctc 60
 tcgtcaacgc cggcttacac aaaaaacgaa tcgtctctac cgcaagaccg tcgagtcgca 120
 tggtgttcga naatcatttg tggcaaatgc attcatgttc gtcactatc tctacctcct 180
 tctcgcgtga ccgcaacgtg ggtttagct gatgtcttt tatggnacct aagaaaacga 240
 gcggttgca gattattgcc ttactgcagg gtccaacagt gcctacttca cttggcccag 300
 ggctganag acccccggct tattcgatc tctanctcgc agcccatatt taaggagccc 360
 cccccatat taacancttc aacgaacncan gatgtcgata caagaaggca cattggcaca 420
 ggatgctttg aaggaggatg ccccaaatat tctgcatttt ctcanatcg catganagat 480
 cacttttatt ttccaaacgg gggccggttt tgttttccaa aaacacaata tnaaagcnac 540
 acttggtttt gganaaaaaa tctgatcctg ggagactana aggggggnaa ccttttcncg 600
 ccncaaggga aaaaaaaaaa aaaa 624

<210> 3024
 <211> 180
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(180)
 <223> n = A,T,C or G

<400> 3024
 nccagccgan gngtaaaaag cctgtgcatg cggccagnaa cattcnccgn ccgccttttt 60
 cnangacttg nctgtaaaaa accccgntct gtcnagaccg ntgggtccata cttgtcccgt 120
 gannaaaatt tccnccgnca aaccctacgg ttgttaaccn cgaacttcng ncccgatgtc 180

<210> 3025
 <211> 123
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(123)
 <223> n = A,T,C or G

<400> 3025
 ntggtnagct ccantatggt ccncttttatt gcacttccac cggcggaggc tacgntatcc 60
 ggaanggagg ngaataaaaat ctgnattcct ggcnaaaact ntcgcganat atatgggctg 120

tta

123

<210> 3026
<211> 127
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(127)
<223> n = A,T,C or G

<400> 3026
cgacatctcg tntcaccccc cttcgtntna acaagtcttt tccacatnan actgccanca 60
ggactnatgt caaaatgact tccnccgggc ctatcnacaa cnacgccatc gnccgtcagg 120
gctngta 127

<210> 3027
<211> 242
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(242)
<223> n = A,T,C or G

<400> 3027
ngcttggttt gaagaggaat ncacgctcnt tcaatcnatn attctacggc gaancaacgc 60
ccncaggtt ncaaaccttc tnggagaagt ctcattgggna ccccaacacn tgtggccaga 120
cacatgaaca nttttactcg gccccanggt atagaagctt tnacagacca aancttaaac 180
tattatngct gacanttggc ccnantttac cnaaagaaca cccttagacc ttggntgagg 240
gc 242

<210> 3028
<211> 230
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(230)
<223> n = A,T,C or G

<400> 3028
tgaggatggc acctgcgttg gaggagctgt ttaatgaagt cttgcttttg atgggagggc 60
gacgttaatt tcttttgtag tggtttgcaa catgtttatt gtttaacaat tcccccttta 120
gataccaaac ctggatgaaa accactctag acggatgatc ttcagcaggc tgtgcctact 180
gatgtgaacc aatattacta gttacagaan aaaaatgaaa ananaaccaa 230

<210> 3029
<211> 149
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

<400> 3029
ncaataccaa acgtattnct gcagtcaaatt cnttctctta ggcgattcng tggggccacc 60
tgcccngcat nggtctanca ncaccaacac ggccttttga tacattctct tcaaaagcga 120
tgattttngg ctncatngga gnttatcag 149

<210> 3030
<211> 247
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 3030
gtcggcgatt tattgagtag tttattctct gttttccatt tcatgttcga tacaaaaaag 60
gatacgcgat agaagcctac caagttgtca aagggtggcc atgcatgatg gatgactgct 120
gacataatga cgttcgctt accctacacc gtactcccct ttacgactgg aaaccttgaa 180
gattgtaggt tatagtctgc attataatac acgcaattaa tcaaaagggt tcgaaataat 240
gatnaan 247

<210> 3031
<211> 358
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 3031
ctcaacagaa gcaggctccg gcaccttgac aggctcagcc ttctctgttg cttccgaggc 60
cacactgggc acgtcgctga cgctgctcat agagctaccg attgacgaga tagagctcga 120
cacaacgcta ccagcatcgg atctcagggc catgttctcg gacctcaagc ccgagacctc 180
cacagataat ctcagcactt gcgctgactg atcatcctgg gtgtgtatca tgccctctcat 240
ctgggtctctc aatccatctn tctcaanaan accacggggc ggcagctccg gctcaggctcg 300
tgcanaatgt ctttaagcca tganaacatt nttctttntg gcaaaaaactc cgtatgac 358

<210> 3032
<211> 244
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 3032
gatgaattgt gccgagtaaa gagctggaag ttgagataat acatggtaca atttgaaaag 60
gtgacatggc cgcacgatt agaagagaac tgcgagcgat attgtcggca agcagacatg 120
gacgttaagg aggctggacg atagatgacc attcaaacat gaatggctgt atgcgatgcc 180
tattaacatc acgcgagaca atgataccct anaaaaaaaa aaaacaaaaa aaaantaaaa 240
atan 244

<210> 3033
<211> 586
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 3033

aggtgatgct	acggacgcac	agcgaggagc	gcaagagtgc	acgattctgg	aagaacctan	60
caggcaagg	tggcctgcga	aagtaacttt	ctttctttct	tcaaccttta	atgacctacg	120
ataccatgac	gactagacaa	aaaaaaaaac	tagaagtctt	tgggatggat	atagccagct	180
ctcatggggt	ttgcttggcg	ttttatTTTT	cattttttgc	cattttttgca	gagatacccc	240
gactcatgtc	attccttcat	tttacgtctg	ggacattgga	cccgatatag	cctcgacggc	300
acacaacata	tctgggtcgca	tcagacctgc	acatattgtt	tattgttttag	aaaaatnttc	360
ataattggaa	aaagccctgg	ggcataacga	aaaaagcgaa	aaatttaaaa	gggggggaac	420
caggttcaca	atgcganaaa	aacaactctc	tttgactccc	tgattttgat	ttggttttgc	480
cccaatgccc	nacatttttt	gttcnctgct	tnnacacnca	cacacacaca	cacacacacc	540
tttatctccc	ggtntgaccc	aatgatngtg	aanttaggaa	anggac		586

<210> 3034

<211> 445

<212> DNA

<213> Fusarium venenatum

<400> 3034

cgcatacata	ccaatggcca	tcgtatcata	gtatagcaat	cttcgacttc	ggagactttt	60
gtagttgtcc	tgaacaggta	ggagagtatt	tctaggcctc	aagaccaccg	aaagttccct	120
tgtagcccct	ggctggcatg	tactcagtgt	cttgcgacat	tttgtgtcgg	tgtggtgaaa	180
tcgaagcaaa	gcaaatatct	tgctcctgtc	aggtctgtga	ttcgactgtt	gagacgcgga	240
acatatgcaa	cgggcgtctc	catgcaacta	gaagggtttg	acagcaagtt	aatcacttgt	300
tgatcagaat	tttcatgcct	aactagttga	tgcttcaatt	ccatgcgcgt	gggtgttttg	360
ttgagcttgg	ataggggtgtg	gtgttaaagt	tgatgagatg	ctgaattgca	agatgaacag	420
gtagacaggg	tgagtgagta	ccaaa				445

<210> 3035

<211> 210

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(210)

<223> n = A,T,C or G

<400> 3035

cgatcttata	ttgtgggat	gttttgatcg	gcttttagatt	gataaaggct	gcgtttttta	60
ggcttccttt	gatcaatcga	cggaaactcg	ctcgcttgga	tggattaccc	cggcggatat	120
aaccaagatg	agtggtagta	tcgtataaac	ccagtttagcg	tatcatttgc	aaaaaaaaaa	180
anaaanaaaa	naaataattn	aataaaaataa				210

<210> 3036

<211> 543

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(543)

<223> n = A,T,C or G

gctgcatttt caactgcctt cttgcttgtg acttagtttc ttatctaata aagaaataag 180
aaagattatg gc 192

<210> 3040
<211> 813
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(813)
<223> n = A,T,C or G

<400> 3040
gggaagcgaa aagtccgctg ttctcgccat actcctttat gcgaacgatg ttctcacttt 60
gctttgacat gtgaatcggt cgcatacaag gaccatgggg cgtccgagga gaggacagcc 120
gctaggatat agatcgactg gtggtgcgag taccagtgtt gcatcaatgt cgccaaagga 180
tatggaggct ggcaatttta ctggcatcat ggatcagttc ctcatgact tgggaacgcc 240
gtcgccttcc ttcaatatgg acttctcgat ggaccaagaa cctataccag gacgtgtatc 300
attaccaccc gatcttttca ctgacgtttc tacacaacac gatcgctaca attattatcc 360
tggcactgaa agcaggggtg cagcgataac accacaaagt atggaaagcg cgacgaatcc 420
aagaccacct gttcagaagt gttcttgtat cgagttagtg aaccagcatt tctcagagat 480
agaaagctcc cttgagacat tccaaacgct caaagtcctc aaaaagtcctc tgggtgtcagc 540
gaagacaatc ctggagtgtg cagtctgttt tcagtcaatc aagagtnac gcacatcgcg 600
aaacgtctac cttttgggtt ctcttctatc cagcattggc tcttcttatg gngacttttt 660
ctatatccag aagcaacgaa cttccgatcc atcagtcctc agcacacctg ngagcctttt 720
attggacaac aagctgattc gcgagacatg ggtgaggggtg ctntcgaggg acccaatata 780
tggctttnta caacaagtct naaaaaagag ttg 813

<210> 3041
<211> 563
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 3041
cttggcagtc attctcatct tggaaactaa ttagtgacta cagatcgagt catacacatt 60
caagacaact ctcattgtcg tgacactccc ccattttgct tggcaaccgc tcggaagaca 120
atacaccgcg taaaatctcc aaatttatag cagccccagt ggagtcgaca aggcctgagt 180
ggtctgggag cataagagat gaaattagca ggtcaactta tgctattcaa atcaggcttc 240
ttaggctctt tatttcgtac cacaaaacac tacctagata cggcactactt gacgtgcatt 300
aagtgaaca atgtcttagg tgagctgaca tgcttgagtc accacgtctc tttcaacaac 360
cgggcttcaa tctctatcct caatcatgag attcctgcct tcacattagc tnggatcaca 420
actctcctna caggccaaga atgggaacaa tgtaccgggg ccaccacaaa accaacacga 480
cgtaccaccg ntgnttggac ccagaatctn naactcactt ttcggactcn aagngatagg 540
cngcccagga gctgccgata cac 563

<210> 3042
<211> 305
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 3042
gtttcttccct tatgtctctc ttcttccaca accttacaaa cctccacatt ctaactccag 60
ccgcaggccc cgcagaaaca ggttctgggc tcgccctccg cacaagaaac cactgggctg 120
tcattagcac catagcacta ttccacacaa acgccgcaat catccccagt gaaactgccc 180
acgctgtaga aatctggata tagcacagcc ccataactga gagatcatcg aagccatctg 240
tgagcacaag cccagataac ataagaatca cttgacacac aaacatgtcg aagtagtgaa 300
ctaan 305

<210> 3043
<211> 224
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(224)
<223> n = A,T,C or G

<400> 3043
tgcggcatgt ttggctggat gagcatgggt aaataaaacg ggatctcgct tgataattta 60
atgatgccga acgattcagt ccggtagcac atttgtgctt ctttgcagca atttgaagga 120
atggtatttc cggcgcttgg atggagtata cttgacacaa gcagccagat ggctgtgcta 180
tctatttctt tataaattta caatgtttta cgtanaaaaa aaaa 224

<210> 3044
<211> 254
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 3044
nggtctatct aanaagaaaa aacttnattg ccggttntga aaccccnag anttgaana 60
ncccccgagg ccacgaaagg gattccatgg ataccctttt tnanagtggga naaagctaaa 120
anggccttac ccaggggggt tttaaagggt gaaacttttc ctgnggactt cangttgccc 180
ctttnaaaaa naccntttg gganaaatng gggtttcaac ccctttaatg gaccnccgng 240
ccccgttagg tate 254

<210> 3045
<211> 569
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 3045
ctcagggtcg aagcactaat gtggcggtggc agtgctgtcg gaagggaggg acaacactac 60
cttggcatgt cccccgttgc atcggaag tttatagcac tgtttgatct ctcaagcgac 120
atgaaacca acaatctttc agcttggcgc cacacttggc actcgacgcg attactatgt 180
atagtgttgg gctcatttca accctcccc ggccccgacat gcgagaatga atttgacgat 240
gaaatataaa aaatcaagg agcgacacac aatttgacca gacgcacgc ctggggccat 300
gcattctgtg gaggcgctac tttctcactg ggcttgacat ccctgccggg aaaccaagct 360
acacgactgc cgaatttgg caaaaggagt catacaggag aangaatatt tattggcaga 420

aggaaaaaaa agcctggcga tgttctttat gggttaagcc aatttgtgct atcccttgnc	480
aaaatgagga gganaggaca aagggtttca cttcgtatac tacatattaa gcttgacaca	540
ngcttgatgc tgaatgncct cgcttgcac	569

<210> 3046
 <211> 651
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(651)
 <223> n = A,T,C or G

<400> 3046							
ctcactcagc cttaccaggc tcttctatcc aaagtcactt tcgttaaaaa tatcatgtca	60						
tggaagctca taaacattcc ttctccgggg tgaaccgcct tcactctctt tgcggtcatc	120						
ccaaccgttc acgctaccta ctatgacatc ccctataata tgactgccgg tgaaaccttc	180						
aacgtcacaa tcaagcagaa cattgatcca aactctgaaa atgggaagag caaccgactc	240						
ttatcgtgtc tatctcgcgc tgacaccacc aggatggggc acaggacctg tttgttggtc	300						
ccagtatcta attcctcgag atcaaacaca agtcaacatc accattcctc ccgacgtggc	360						
tcctaagggc acacgtatca ggctttcaac atgtcttacc aactcaaaaa atggcaggcg	420						
aatcaccggc tttgattaca gcggaaaagc agatatgtcg gggttaaacg gaacttggag	480						
ccaagccgaa ttggaccgtc cgaatacagg cgaacaanat aaagggttcct gctcgcgtta	540						
tgggtgtggt angggatgct atgatctgtt ctacaaaggc gacaaagatg atgaanagtc	600						
cagcccgaa gtcgtattgc ttgcttgaan gnttgggcaa gaaaatttga a	651						

<210> 3047
 <211> 412
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 3047							
cgaggctgtt atctgggaca agatcatcac gaatcccagc gccgaccatc tccagaacat	60						
tggacctgtt gctatgaaga agctcaagcg cagcgctgaa ggaaagacaa tcgacccccga	120						
ccgtggcttc cttggcctca agaaccagaa accaaagtat caaatcaccc accctactgg	180						
taaggttgca ncgacagagg atgtgaactt aagctgccta tatggtcaan cctgggttgg	240						
attcttactt gggatcagac ccgcnacttg gcaactggaag gctttggtat ggcgagtcac	300						
caagttcatc ttccancatc aagatcaaga agaagaagat ctccaagaag actctagatn	360						
gctggttatc agtttaatat gtgttgaagt gaaaaataag ttaatgtgcg gt	412						

<210> 3048
 <211> 254
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(254)
 <223> n = A,T,C or G

<400> 3048							
ntaaatgcnt atgccntgtn ttatgatgtg gtacntcat catgactagt gcggacatgg	60						
tgganaacag nacantgtgt taaccngcct cttagccaga ataaancgcg taagaagttc	120						
ccaattgcct tgcgacnaag attcggtnng cttcattngt cgcctttttn tagncctaac	180						

tnttgacgna cccaagctag ttgacaccg taacttcanc cnataccacc naccaggagt 240
 tgccttacac ttag 254

<210> 3049
 <211> 626
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 3049
 ccctgtttca ggaaccacca cgaccagggg ttccgcgctt aaacgtcata atactaattc 60
 ctttgtgtcc cagtcattct ttgaaccctt gatttgactt cttctgcctt ttggtgatgc 120
 cttccgtcca ttctctgcat ataccagacg ttcattaaat ctgtttttgt tttcatcatg 180
 gcgttggttg aagaggccaa ctgcatcgca aacgcgaccg ctcccatagc cagcgacgcg 240
 ggcgctcgcaa gtgctggtat tctatggtcc ttcatgatta cggcgctgct tgccgtcatt 300
 ttatcgagta gcgtcatctt cgcggagatg cgaggcaagg agtctgttca tccgacggaa 360
 gctactcaac ggctacagcg actctcaaat tatgcaagga attggtatca agagtgttgg 420
 gcttcgccaa aaaaaaaaaat cttcgggccc gtataatttc tttctaaaat ggatgctggc 480
 gcttcttttc atggggaccc acaacacaac actgntagcc cttaagcaag aatacccncc 540
 gcgattgggt gattcgatng gatgccacaa gttntcatg ttcgtcaaan ctgggggctgg 600
 cttgggnctc tgggggcttt ggtctc 626

<210> 3050
 <211> 582
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

<400> 3050
 ttccaaccag gttccatggc ccaagcctcc atctgttaac gacgcaaaac tataccctgc 60
 tcgtcaacag aagcacaaca atcgcaatgc caactatcaa cccccgtgac tcggtcaaatt 120
 ccacctggcc tctcagcgac aaatctcaat ggggcatgag ccagcgcatt atcgatacat 180
 tgaatgcgta cccaataacc cccgggaaag aagtaccgag acatcccaaa actgagatga 240
 tgccctactt tggtgaatgg cagggacatg tctgggtttt gttccatgct tttgctccaa 300
 tcgcaactcca tcaaacatgg ctgtcttgta ctggccacga aagtctccat cctgtcatca 360
 tctttgtcct ctacttctcg atgttcagtt ggaccgtggt ccgcgaatca agcttctcgg 420
 aaactgggtc accagcatgg gttcttgat ggagatactc acgaacgtga tggcatacct 480
 gactcggtgt cacaaagtgg tgttctccta tggaaaacac tgggtctcga tcccatgtta 540
 ctgcatcgga tacaatacac caatcnccac ntcgttatca aa 582

<210> 3051
 <211> 224
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(224)
 <223> n = A,T,C or G

<400> 3051
 nctngatggt ggtgccgang gcatacnct ggatgctttg nctgantata tcgacaagcn 60

cattgacngg cctttcgagg acttnattga cnancatttc cagggcactc ccttcatcac	120
cgagattcctt aagactgccc accgcttcta cgtcaaggag aagatgcccg ttatccgcaa	180
gtcantcaag cttgtccttg nctataacct nantatgcac anaa	224

<210> 3052
 <211> 148
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(148)
 <223> n = A,T,C or G

<400> 3052	
naaagtattg ggctcatant cnttataaag nacaaaggcn ggtttnttcg agcaganttg	60
gnaatgacaa actcaagtnt tctttcnaaa aaggtagaaa aagaagttat taagaagcgt	120
taaactttnt tntctgaaatt caataaag	148

<210> 3053
 <211> 226
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(226)
 <223> n = A,T,C or G

<400> 3053	
ngggttggaag aaaatctgga tgctttacag taaaagngag agttcnctta ccaactatan	60
ncatgggcca ttngtnactc atctgcttat cgaagaccaa ntctngaata acttcnngcc	120
gtccaataga gnttacgttt acaaggacca aattggccta ntgngaattt tatnaaatc	180
aattgtcttg ncatacaacc caggaccaan gaaaaccttg ttttcc	226

<210> 3054
 <211> 137
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(137)
 <223> n = A,T,C or G

<400> 3054	
ngccagtaca ntgaggagga gnaatccggt tctgangatt tcaaaagtac ataggtnaat	60
gttgntntgg ccagggttaag ggcccaangc aaaattttng tcaatcgaca ntgggttttt	120
ggnngggttc ccttgaa	137

<210> 3055
 <211> 272
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(272)
 <223> n = A,T,C or G

<400> 3055
cctctatttg attatctggc gggcgcaatg tggaaagggc tttttttgtt ttttggttgt 60
atcattatgt atctgtcagn ggaattgaga acacgcagag agaccacggc ctggagcctg 120
gcaaacgccg attggacagt atttttattta ttcattgataa ttcattnaaaa aaccaaacag 180
gatgctgaac aattngggac aacatgttgc naccaaaccg gtccaagtca acgcaccaa 240
aacacaacca gttttttgggt gtttntaaca aa 272

<210> 3056
<211> 1775
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(1775)
<223> n = A,T,C or G

<400> 3056
cggtcacata ccgtgatgtt gagctaattc atcctgatat ctgcttcatg aatacggcta 60
aatattttatt tcggcgccaa acgtttactc gattgtcggt gggattaact ttaccatgat 120
gaccttcacg cacgccaagc aatctgctat tggctgcctc acccgcttc atcaagtcga 180
ttatctctca catgctcaca atgcatccat tcccatctta ctcttttaca ccaactcact 240
ccgtgtatcc acatccggaa aacagattgt ctctattcgt ccacgtacag gacgaagcta 300
cttgatatcc gtactgggaa gtgcccattt ttcacgcagg gtcttggagt gtgatatctc 360
ccacttgata ttggatactc ctctcctca tactcacgg tgtgggtgag agaacggaac 420
ccatgtttta tcgggtccccg gcttgccgaa accactaccg ttcccgctct ccatcaaccg 480
gcctaatacga gccccacat taacttctgt tccgacatta gtcgccgaat tccatgaaag 540
catgacctgc ttggaacgtc gccttgctcc tggcagctag actggaaccc agcccaagct 600
aaaggaagag ataatcgga tgtatctaga aacacacccat cgcattgaat cggatggcat 660
tacgtggcga atcccaccca cctcgatccc tccacaagct ctgcggcagg cctcaacatg 720
tcaatcatgc tggttatggg aaacgccttc gacttccaca cggttgctgt gaataaccct 780
aagtcaggaa ccattggact tggtagggga cgtgttactg tactacacca tcattcgctg 840
gccggcaacc tgccatgatc tcgccatcca gtactttggg cagtgggtgc atgtccggca 900
cggcgccaat cgaaactcac ggagcttgag gtccgggaga gctttgctac agtggagagc 960
tcgttctgca ccgtaaatc ggcgcaacca ctttgcatga tatggaccaaa tggcagagac 1020
atgatatccc gcattgcaca ttggcatgcg gggtaggggt ctggtaggggt tactttgaag 1080
agaagaccct tggatgaatg atggaattgc tcccccaagt cgggcagcat gtaatacatg 1140
gagtggagtt attgtcttta cacaccata cccacacccat gccagacgat aatcaggcaa 1200
ctgatgtctg ataaaggacg tgaaacgctt atgagtggga tcaatgctgg cctcgatcga 1260
gtataagaag gacgcttgat ctccctcaaa ctcgactttt ttttcttcat ccaacaagct 1320
attcactctt caacacaaac tcaacacact tttacaacct ttcaacacaa actcaacaca 1380
ctttttacaac ctttcgaagt ctttcttcac caataccttc aacatgtctc cctgctcttg 1440
ctgtaaccac gccgacgctt cttgcaccag cgcttgctct tgctgcaagc actaaattcc 1500
ttcttattat taatgcctga caacacttgg cttacaacca cggtcgagac aatgtctcct 1560
tgacacattg aggaacatcc aggaacaagc ctttgctaag caagtccgac agatatgaga 1620
atggaaacaa tgaatagaaa tggcacaac atgcgagagt agctgtgacg gccaattttc 1680
gatggttagc cagtgttaga tacaattga agcttgcatg ccttgaaaaa aaaaaaaaaa 1740
aaaaataaaa anaaanaaat aaaaaaaaaa atttt 1775

<210> 3057
<211> 104
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 3057

ngcnttgaca tgaccagagc caatcatngc cgaccncacc tattgttgct atcatctgca 60
 caaagaccaa ctgtccaaga tntagcccaa gaagcncatn gaga 104

<210> 3058
 <211> 321
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(321)
 <223> n = A,T,C or G

<400> 3058
 ngtaagatac tgcnactttc gctgagcang gtantgagct tgcntttaca nactgcaga 60
 gaccagcacg atagctncac tgaccgatca ntantgggct ataggcttcc agtnnctgac 120
 tctggancct acggcgaact cagagccaat gntggagggt tagagtctgg aaacntcggt 180
 tgagnaaccg ataccttntt tntgggctgc cccgnccgaa ggnagcgaaa ttgngcggtt 240
 ggnatctacn ggcacnacc tgttgtntgg agggggctta gttaacgccc cttgngagct 300
 tngaacctgt agtgccttct t 321

<210> 3059
 <211> 644
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 3059
 tgcctcatca tctccagatg acatcgcatg ggcagtagtc ggatcaatat aattctcaca 60
 ctcaatccca cactgatgac tttcttatca acttttcatc atgaaatggc gttttgggaa 120
 ctgattcaaa cgcgcgcgaa gagatcatgg aagcgtgcc aagtatggta gtgcgtttca 180
 agacgcctcg ccaaccaaga tgtacttgac ggataacgca acaatacccc tttgcgcacg 240
 gattgcgcac atttggatat gaccaggatg gatggatgga tggcgcacatg caccgcacca 300
 ttatgtcgag tacaggtatc ttgagggttg ttctagccta cccagtgtct tctcgacttg 360
 ttacaatgta ccatcagcag tgacgtacag caaaagaata ccccttgagg gtgcaaacc 420
 caattcgaac acatgcgatt gnatatacat tcatgtatgt attttccttt aggccttgcc 480
 ancatttgct ttgattttgc ttatagagag gccatctggt atttggtttg attatttaca 540
 aagaattgca ttgcatgggt acttggtatt ggcaaatggg tttcttgaca tcatgggatc 600
 tcgattttnc tttttaacgt gggaggggat tcgggaggag aatn 644

<210> 3060
 <211> 361
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 3060
 cattcgaaac ttgttcatag atgctcatca acgataactc acattatact ctcccagttc 60
 gctagacaat cgactagcta aactgtgtat cctcccatct acgtaactct ggacttgata 120
 tcatggctgc tggccngtcc cgtccccgtt gcctcccaca gtgttactca acctggcgat 180
 gcagaattca tgtccaacaa gatcaatttt gcactcattc tcagggactc aatacacttc 240
 ccggaacaag taaaggaaaa gatttagctt ctatgggtca acgtctctcc ccaaaaatat 300

<210> 3064
 <211> 101
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(101)
 <223> n = A,T,C or G

<400> 3064
 ngggnaagaa acgggggggcc cttggggccc gacngggggg aaaggggggc cncgcgaaaa 60
 aaaccaagnn gggggaangg gggnaatggg gaccngaaag g 101

<210> 3065
 <211> 158
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(158)
 <223> n = A,T,C or G

<400> 3065
 tnatttgncg gggggggggg nggtanagta gccncaagaa aatcggacgn caccgnagga 60
 agaaanctan gcaagacgcc caatngcgaa gggccntccc gggngcgaga ngagcggcag 120
 ccaacacnga aagccagccg acggacacac agaaggng 158

<210> 3066
 <211> 496
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(496)
 <223> n = A,T,C or G

<400> 3066
 gcgagtcgag cgcgaatctt ctatccttgg agatgcagac naataactctt gtttccctgc 60
 agacttcac atccccacn aaaataacta ctgcacacct cctccgttga ttagcggtac 120
 ttttcgatca ctggaactca tatcatccga gtcgaccaag gttttccccg cgagggcagc 180
 taacaaggat cctgaattac tatcgttacc agccactgtc aattttgctg tggccattga 240
 cggattcacg gctganaact tctcgttctc tctggcctac nacattagtt tcgtaacggc 300
 gcacccgtgt tcaccttctc accgagttcg tttcattaaa tcgccatcaa gcccaacaat 360
 ccaacaaatt gacgtgactg ggtctgacac gttcgggcaa ggctctcggc ctgccaatcg 420
 cacaggccat ccattacaca aatggtataa ttacgctgca tccacatctc ggagcttntg 480
 aagcgcagca cacttc 496

<210> 3067
 <211> 471
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3067
 ttcaatccat cacacctacc aactctcaca agtccaacac tacattacaa ctatcatcat 60
 gactaccaac tctttcggcg gagctcttcc tcgcttcgac ttccctgctc aaccacaacc 120
 tgccatgtct cgcattgcac gcgtcaacaa agctcttcca gtagtcttgc tcgcagccac 180
 agtagccgca ctgcgtgtca agacaagaca aaactttgat gcacccatca ctacatcaat 240

gttatTTTgca	cgccccgcaga	acttggtgcc	tcaagggcag	ataagcattg	acaagaggaa	300
tgccgatgtg	ggattgaagc	caaaacaata	agattagaca	ttgtgatggg	tggtaggatt	360
gggaagcata	aggaagcgat	ttacagaccc	gTTTTaaaca	tgagagtagg	gctggTccca	420
atacatggca	TTTTaattat	tcactcgctg	ggTTTTattcc	aaaaaaaaa	a	471

<210> 3068

<211> 635

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(635)

<223> n = A,T,C or G

<400> 3068

tgcaagatgt	cctaattggca	ctgagaaagc	ttcgagaagg	attggtggcg	accaagcgag	60
ctgatctctt	ttccatacaa	gcctacatct	tctccattcg	cctgtctatc	cttgccaagc	120
atcctgagtc	atatcaccca	gcgattctgc	accttcttcg	atacatggct	gtgtggactc	180
cgatggtcca	aagcgaaatt	gaagaaattg	ctggctactt	catgctagat	gccgcgtgtc	240
ggcgtaggga	cttgacggag	gcgtacttca	tcaggcaaga	cttcaacatc	agaaacacga	300
agctggatca	catacttaaa	gcactggcgc	atgacaacta	cgtctcgtgg	caagctgtaa	360
agcaacaagt	cgaccgccat	tgcttcaagt	tgatggagtg	ggcagatgat	gacatgaggc	420
ttcacactct	gaaatgcttt	gggaaatcgt	atcttcacgt	cgacttgcoct	tacttggnat	480
tttncgccgg	tcgcaagtgg	natgagttgn	aaaaaaaaa	caatgtcngg	tgggnactgg	540
aagacnagaa	ggcactnttt	aaagactaan	ancgagatga	nggtcgtttg	tnatgccggg	600
gtncccgaac	gagttttnaa	acaagaaggg	ttatt			635

<210> 3069

<211> 169

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(169)

<223> n = A,T,C or G

<400> 3069

ncnccgcaaa	ggaacccctt	ttttgggggg	gggggaaaag	nggggggaaac	cagaaaacag	60
gggggaaggc	ctggcccccg	gggggacgnc	ctggaagaat	acnadcnggg	ggagccaana	120
atncggaacc	gggnccaaag	gaaaccggaa	ccgnaacaan	ccaaaagcc		169

<210> 3070

<211> 127

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(127)

<223> n = A,T,C or G

<400> 3070

ntgactnata	aggggcttgn	ttccttaaag	actgcngtct	cntcatcttg	gnagtcgtca	60
tggccttctt	cttgatcttt	gagggncagg	cttcctggac	aaaaccggct	tnggccctaa	120
ttcggac						127

<210> 3071

<211> 597

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 3071
cgtggcacga tatcacaagc aatggatgat tgatgcaggg tttgaagacg ttcaagaacg 60
agtctaccga ataccattg gtccttgggc aaaggacccg gcgtngaaag aactgggtaa 120
attcgaactc acgcacatgc agatgtctgt tgaatcacat acacctgcac tattcacgcg 180
agtatggaac tattcccagg atcaggatcat ggtggtgatg gaggggtgtaa agagagaatt 240
ccgaagccga gacttgagat tgatcacgac ctatcgattc ctcacaggac naaaaccagt 300
tngagcgtag catctggatg tttctttact caagttgcac ttggtagctg caaccattg 360
tttcttttcg tttttctcaa gatagccagt tttattcttt tcttcttgtc actctagcca 420
ccgntgaaag ggttattcgc tcgtggctcg tggctcgnng cataaataca tcaatatggg 480
catgttttaa tggcacatcg gttcaatttg gacctggggn cacaacgaga aaccacacgg 540
atgacgattc tnttacgata atggccccga aaattgattt aaaaaacatt nttttca 597

<210> 3072
<211> 232
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 3072
cttttggttn gcttagtgtg caaactcatg anagaggcga ataaaggtaa agaaaatcaa 60
ggacngcang gtgagctgcg gaactgatga aatgccttgt tcgacacagt acgtatattg 120
taacttgata ctgcgcagct ccttgctcgca tttggccgcc ttgacnagtc gcaaaagcag 180
gacctggtaa agacagaaaag acaganagan gtggggangtg gatatcgttg gt 232

<210> 3073
<211> 203
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 3073
ncaaggacct cttgngggat tnggatnatg gctttggtgt tcattaaagc anaaaangga 60
ctgaatgnat gaacattggg acganggnag aatggatgnt ctttgtnttt aagantgctc 120
tatcttntcg ngaattgaan anaaaagaaa ttaagtnttt tgngcgttna ccttnattta 180
aagggccaat ngcctttttt ttg 203

<210> 3074
<211> 316
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(316)

<223> n = A,T,C or G

<400> 3074

aaagctgttt	tgaccatgcg	gatttaggag	tagaagcctg	aatgatgcta	acttgctaag	60
gaagatgact	ttaggaggct	gaaaactaga	acttctaccg	cagtcttagt	ccagccctgt	120
aacgttttgc	aacagccaca	attgctcgcc	cgtggctttt	gcaagggggt	atactgcagc	180
tcattctgta	ggaaggaagg	tcattgttcg	tatgatcctg	gctttgctag	angcgaagtc	240
ntggtttcaa	ccaccatcat	agttaagnct	gnactttggg	natcaaggaa	tagtnttcaa	300
cttttggggg	aaaaaaa					316

<210> 3075

<211> 118

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(118)

<223> n = A,T,C or G

<400> 3075

nttgctnaag	ggnttaagg	tttgnctttn	ggtggaagg	ntaaaatggc	tttgttacgg	60
cgaanggtgg	acagngggat	attaataaag	accntgtctt	acatggnanc	catctgga	118

<210> 3076

<211> 216

<212> DNA

<213> *Fusarium venenatum*

<400> 3076

caaggacacc	agcagcttca	accgtactct	tggtaccgtc	aaggacaaga	ttcgcggaag	60
tgctgcttac	cgcgagcggt	actctgagaa	gctcaaggag	tggtctcagc	cccatggata	120
tgcttgactg	tgtaaactat	aatattatg	aatgagcggt	tgactatatc	acaagaattt	180
ctgttttaaa	aaaagttaaa	ttcctaagga	aaaaaaa			216

<210> 3077

<211> 596

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 3077

cagcttgatg	ttgaagaaag	aacacttata	tgctatatcc	cctttttctta	ctggtttggc	60
ctcccaaaa	ggcngtccc	tcctatcttt	actgccacgc	acccccgtgc	atgctctacg	120
gccttttgag	gagtcctcat	ggcccgcgc	gatatacctag	agagtgtcca	cgagcctttt	180
gggagatgcc	ttttactacg	gtcctgaaat	tctcagcgat	cgcttttagaa	atgacacaac	240
cactcgcgaa	cagagtgggt	tctctcaca	gacctataag	gacgtcctta	gcgaagtcat	300
ggatgcgggc	aaagatggca	agcgaatctt	catcaaggac	atggcttact	acctcatggc	360
ccagacagca	agcctaccaa	ggttgcgcg	tctctgggcg	aagaaaaacc	nggtaaccn	420
cgtgttncca	ttagaagtct	tgaancaatc	cnattcattt	ccttatccgc	cacctcgaca	480
actatccctc	gtncatcgga	tgccantgcc	nctctggatg	aantccnggt	tctntaattc	540
tgccnatgag	gtggntacaa	aaaccnncct	cttganttct	gatcaaaaaa	aatgtc	596

<210> 3078

<211> 273

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(273)

<223> n = A,T,C or G

<400> 3078

tactcactgg	aagagagaga	aagacaccgg	gaagggagtt	gatgtaagta	taggcaaagc	60
agtgcaatgc	tatactgatc	atcccttccc	aacgacctcg	cgagagacac	aaccaccccg	120
atcttttctc	cgtttggttc	gtgttgccgc	ggaggatgaa	tatttcaang	attaaagcac	180
ggttttacag	gttcctttat	atccatattt	tcatacatgt	aattntctct	tttttttttt	240
tttttttgct	ctttcttttt	caatcttggc	att			273

<210> 3079

<211> 446

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(446)

<223> n = A,T,C or G

<400> 3079

ntggtctatc	ggtggatcag	aaaacaccaa	gccgcacgcn	ggtttggcca	aagccgtccg	60
gccaagccgt	cnaacangaa	gcagatatag	tgagcaattg	ctaagacggt	tcgacagaga	120
taaggatatt	catcaagtcc	gtggactata	agcgagtaga	gcttggctac	ggccnaactn	180
aagagccggg	gggcgccacg	ngactttcac	aagtncgatg	gcgctagcaa	tggcttcana	240
agtgnatggt	nttttgncca	caaccgacca	atcaagaatg	gaatcggtgt	cgggnttntt	300
aagctgacaa	agtcantctg	gtggcaagaa	ccttggtgng	cgtactttta	nnccaagtcc	360
anggcaangg	ttaaaccaag	tncgtggtgg	tggnaanaaa	accccccggg	ccccnaagga	420
accnaangg	gcttncanaa	aaaaaa				446

<210> 3080

<211> 132

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(132)

<223> n = A,T,C or G

<400> 3080

ngctanatgg	aaatgtngct	gagctgctng	atccctgaac	tattaaaaat	cntntattga	60
gngaaaaggg	ggggtttntt	taaggcaang	ggctaanaaa	caggtaanaa	agctggagaa	120
gaaaacnaaa	at					132

<210> 3081

<211> 159

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(159)

<223> n = A,T,C or G

<400> 3081

cgtctagcaa ggtcatgtag accgtctcgt cctctaaact tactcactta ttcgtcaatc 60
 atcatgctca aggcttacaa gaatctntcg ccaaaacccg nctcggcgtc tgggtgtgcn 120
 gtcattggca tgggggtgctg gagggactca tgggtgact 159

<210> 3082
 <211> 114
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(114)
 <223> n = A,T,C or G

<400> 3082
 natgccccaa gcagattnca ccggcggcgg ccattttttg cntcctngca tgcntnaggt 60
 tcaaggnntg gtctccnttg gntcatgggg gttnganttc gcgnccgctt tttt 114

<210> 3083
 <211> 183
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(183)
 <223> n = A,T,C or G

<400> 3083
 naagagaggg cggcggaaga atctntngga gcatcaacga tatcaagtgg ttgacgccgt 60
 tgggtcctga aatagangcc gctcttagag ttttagctngt ctatgtaatg tcttnggatn 120
 ggataagtgt attgcgtntt tttgatttgg gtaatatagaaa tcttntcttg cctttaaaaa 180
 aaa 183

<210> 3084
 <211> 238
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(238)
 <223> n = A,T,C or G

<400> 3084
 ngacatccnc anaggccctc cgntattttc tgcacaaggt ngctttttga ttaccanttt 60
 aaaccnagg aaagcttntt tgacngaaan ggactgggta cccgaccggt ttctttgnat 120
 cctttaaccn cttcaagtgc gtccctttgg gnatgaattg gncagccnt ttccttttgg 180
 tcnaaaagaa actttcgnct ttccanacna aaaacgcctt nttagaangc anaccccg 238

<210> 3085
 <211> 369
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(369)
 <223> n = A,T,C or G

<400> 3091
ncacacgacn ccagcacacn ancacaccac gncacgagan cantaacacc acgacacgca 60
gcccnanacc aacaccacac cagcaccacg acccagcacc angngcgaca nc 112

<210> 3092
<211> 705
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 3092
cttggcctac ctggactacc actgccgtat ccattcccag ttgtttttgtt cccctttttt 60
tttgaccttt gtccctgtcct gtcttgccat aactatztat ataaatgccg agccaggccc 120
tccacttgct cgtcctcttg gataacttca atccaaaaaa aatacctgag cttgaactta 180
catgttacgg tgccactgcc acgtctacta ccagccgttg ctcaagtgat cgcagatcca 240
agaagattcc ttgctgaact ttacttctga tctgctcggt taaacctttc ggctaccttt 300
ttatttggtt ttggtgctct tcttcttctc tgttctgggt ataaattact tgcttctgtg 360
tttcacaacg acttaactgg catctatcat atctttctca tcccagtctt gccaaagaac 420
aaaagcacaa catgactgct cgagtcgcac ctggctcctc atcctacaca gaggcattca 480
ccaccatgtc cccagctgcc gatcacgatg tcctccgagg ccgtaagaga gagcgaagct 540
tgaccgcggg cagcgtttgc acattccgag ccgcaccaac aaacgaagtc gagcaacctt 600
cganggcgct ttgtggcgcc ggtttctggt tanttcattg ctttaantac acatttngcc 660
ccttcttgcc taaaaaantc ctttttcaac ttcgacgcgg ttttt 705

<210> 3093
<211> 165
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(165)
<223> n = A,T,C or G

<400> 3093
ncagtaccat ggggttngggg gataatgnt ttgtntcaaa tnccanggat caaaggcgctc 60
aacganccat gaggagtncc ttcaggttg agggagcgta ccgggggctcg aatattagac 120
ggagaatctc aatcctgact ccatttcgcc tttcnaaaaa aaaaa 165

<210> 3094
<211> 453
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 3094
catgacgaca ccgntataat acgggagtcg actatztat tcaagcatac ataagaacag 60
gttctccgcc agagttgtga acagtagtat cagctttgct caaacctgga gttgaatcaa 120
aatgactacg acctccgaaa tgcaaacagt gcgacgcta ggtctattag aggctggctc 180
ggctgctttt cacctcatgg gtttatatcg ctacgtggta gtatctgcga cgtacagtat 240
tcctnaccgc gagcagtcta aagaagccat gctcgagct ctgggggggtt tgatcaatga 300
taaccctatg ctgngtggtg gcattaaaga tgaggggggag cactatcgcc tacttttact 360


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<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 3097
gcaagctacg caggaagcnn gggaccgagc ncgganccac nagaaacngg ccagccagtg      60
ngcaggaacc cngcaganaa accgncgggg gnagacgaga ggagagngcn aacccccana      120
ncccccgga cacncaaacc gacaacacgg gaaacgcc      158

<210> 3098
<211> 214
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

<400> 3098
nccacaagtc cttcgtcagc ccgngatggg ctncnactga aactactcca tcggtggacc      60
atcgctctat tatntttccg tcttgatgaa tagttcgagt ccaatagatg agtncggana      120
gctgacttcn ctttcttccg nganactggg cttaagagc agganaaaaa aaggngggttc      180
attggggatt tttggaatgc tggttnacgg gttg      214

<210> 3099
<211> 499
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 3099
ngtcatcagc ccaggcagag ccttnttcta tctttc aaac gcgccgtcga ctacgtacag      60
cattaccaca gctggaatat gtaccagcag gtagcgatga tgaggctgat acaagcaacg      120
aagtctctac tccggacaca caagtgttga ccagacgcga aagacgacaa aaggctactg      180
ctgcacatca actagcgaac atgagcgccg gtgaccgcac tgctctcatg catctatctt      240
cagctgaaca gcgcgcgctt atcactacaa atcataaatt tacagaaaag gtcaagaagg      300
aggaagctcg aagtcagcga agacttgata gaaaaggaaa caagaacctg tatgcttatt      360
ggaacactga aacaccagtg tatcagtggt gttagagaag gtggattgtt agtctattgn      420
cagtgattat aggggaaatt tgaaaaacta gcgatagagc atagttacgc agctttaatc      480
tatgtctttg gcttctgaa      499

<210> 3100
<211> 441
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 3100
gttcggtgag cctgactcag tattggccaa cttggcaact tgcattctgga gatctcgaga      60
agatgcaaaag aagggcgagg ctggtccagc tcatcgaaaa gctgcagggg caacgcgggc      120

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catgtatgca	ttctggcaga	ttgatcagca	ccgactcacc	attcgagaca	atgttgaaga	180
ctgggaaatt	atcccatgga	aggattcagc	ataatgttaa	gagaaaactc	tccagtcgtt	240
tgctcatctc	ttatgaggcg	tttgggatta	tcttcaaaaa	gtttanaaaa	gggttatgct	300
ttaggatgcg	ggcactgggt	atggaaatat	gggacggagc	gagtaaaagg	caaacggcgt	360
tattagaaag	gaacattgat	tggatattgg	tagaaatcta	natagtagac	gacttaagaa	420
atataaagaa	ggcgcttcca	t				441

<210> 3101
 <211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 3101	
cgggatgcc	aaaacgatca
ctatgctttt	ttctttccgt
cagacatgca	ctggctaccg
tgtccaattg	cctgtcttgt
agtctgcaca	gacacagagg
acctcaacct	actgacatca
gccgcggaat	taattccttg
gtcggnccttg	gcggegcatt
ttcctcantc	agggtaaact
actgcacaag	ggttgtaatg
tgaaaaanca	accggttgca
	cccgggt
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	626

<210> 3102
 <211> 173
 <212> DNA
 <213> Fusarium venenatum

<400> 3102	
gccgttgctt	ggttgcaaaa
atttacatat	aagatacctt
agccggtcaa	cactgaaact
	ttgcatataa
	aactcattgt
	tataacatat
	ccg
	60
	120
	173

<210> 3103
 <211> 495
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 3103	
tcactctgcg	gtcagtatcc
attctcacag	tctagccaac
gcaggagtat	gtatatacac
tgaggcacgc	tattttctata
gagataagct	aatgagatgc
gactgtcaga	tgtttaaaaag
cgattgcatg	tggtgtatct
cctcgccctca	ttgncatatt
aatttnggggt	agtca
	60
	120
	180
	240
	300
	360
	420
	480
	495

<210> 3104
 <211> 162
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(162)
 <223> n = A,T,C or G

<400> 3104	
naccatntttt gggttacttt tnaaaagcac cganccgaat ncatgagggt ttcacttaca	60
tgcntnccaa tgtttactac tgnattatac gtaccctccc ccccncccn ttttccggga	120
tacacccagt ttttgcccga agcataaaga tttntgaatg aa	162

<210> 3105
 <211> 442
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 3105	
tcaatctaca nctaagtct ctgtcttaaa gtgttcatac ccgccacagn cttgcacaac	60
ttcttcaa at cacaatgcct ctctcaagac tntgntcgct tcggctacta tggcttacct	120
ggccacccgg caagancatc aagaacactg gcaccagtga ccacaagggt cgaccctgan	180
gaantccgan gcttganaag ggntgaatgt cctcgaattn cactttganc ccaaaaacca	240
caagtgggtg gtgcttgng actaccgcta ntcttgctnt ccccttgat cttggnnagt	300
ggtttntctt tntggtttcc ttncactng attntgggat ctggccgaca aaggnttttc	360
cnaagtnaca gagcaacgna ccccgacccc tanntccttt ttttctcttn tcaagggcca	420
gggaattggg ctttctnggc at	442

<210> 3106
 <211> 617
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

<400> 3106	
gggactctgt aaaggcgaag gcagccctct atgtaaaaac tgacgttgaa ggacgaaggc	60
acagagaaca aacaggatta gatacccaag tagtctttgc agtaaatgat gaatgccata	120
ggtagatat acataatccc tatataataa aaagtattga atatatctgg tctataaatg	180
aaagtgtgaag catttcacct caagagtaat gtggcaacgc aggaactgaa atcactagac	240
cgtttctgac accagtagtg aaagtatgtt gtttaattcg atgatccacg aaaaacctta	300
ccacaatttg aataatttta ttacaggagt tgcaccggct gtttccagtt aatgtggaga	360
aactgggggt tccatgaaat taacggaatc cctggcttta ttttttttat ttacgataaa	420
gcattctttc ctggaaattt ggaaagaaaa aggggacaaa gacaagtcac catggccttg	480
atattgtggg ctatagacgt gccacatatt nctaaacaaa gagatgcaaa aatgtgaatt	540
taagctaadc tcaaaaaata ngatataaat ttttaaggat tgntagtctg naattcgact	600
tntntgaata agtaatt	617

<210> 3107

<211> 103
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(103)
 <223> n = A,T,C or G

<400> 3107
 ncggccatgc ttcttgnaaa atcgatncaa tctcaagaac caagccccct taanattatt 60
 cttnctgggg annnggtcta ttttttcnaa aaaaatggnt tcc 103

<210> 3108
 <211> 121
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(121)
 <223> n = A,T,C or G

<400> 3108
 ncgaaccaca caacacttga ataantgaca gccgncaaag gatacgtata accgacaatg 60
 ggcgtnttag acagccttga tncggncatc ancaatatgc ttggtcantg gaacgtatac 120
 t 121

<210> 3109
 <211> 436
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(436)
 <223> n = A,T,C or G

<400> 3109
 caaaccaact aaacgaacaa acacacttca attgttttac acaaacaat caataacttc 60
 acaaatgaca ncaaattcat tcggatnngc tctttccccg cttttgactt tcacaacccc 120
 ccagcttcca agacttcaca agcggagact tgggcccgcn tcattttacc actggagccg 180
 cttgtcacaa cagccagcag ctgnattccg ggcctcacat tattattggc cttcangaca 240
 agcaattccn cnatggggcca ggggttnacc acaatncgag ctggtgggaa acattttaac 300
 cgaaaatgga aagganccgg tgggggaatt aaaaccnggc cgaagtggg tggaaaaaaa 360
 cgaatgncat ttttgggngg gaccggnatc tttttggaaa caagggacca cngaagaaac 420
 cgggccattg gggact 436

<210> 3110
 <211> 121
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(121)
 <223> n = A,T,C or G

<400> 3110
 nccgtttacn anttaagaat acaanctggc ctctgnggat ggtatgctga aacaaganga 60

ccttcattgc ctgctgcctg angatgctgn gntacagccc angatgattt acgntttcttc 120
a 121

<210> 3111
<211> 966
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(966)
<223> n = A,T,C or G

<400> 3111
cccgcccaag aaggacaagt acccatacgg ttatcctgga gatgaattcg gtcctaacag 60
tgtgccacac taccaatgca aggaatgcaa gacaatattc ccaactggcg ccgaaaatgg 120
aacaccatgc acaaagtgcg gctgcgagaa aacagacgaa tcgcctcgtg ttaaacctcg 180
caaggtcgaa cctgaaccag accctgaggt attgaagagt ttacaggcac gactggagaa 240
tttaaaaagt acatagccgg cataagcgaa caggcgccct ctttgccggg cgtcaggggt 300
tgaagagtgg gggtcatttt cctatcattt catacacata cacacaacaa cacatacgac 360
gacattccga agcgcgcgag ggacgattac tgggagattt atcacctatt ttgcatgcgc 420
caaaaagatcg cccactattt cttcccgcga gcagtctatt tacctatacc tcgatcatat 480
gttgacgggt tcatccattc ttggccacgg cacacaacaa catccgacac gagccctctt 540
ggttttttta cgagatagag gtggcagttt catatcagcc gacgcatacg acatcacgat 600
ctggatcttt taagcgtact ccatgatttt gcattctcag ccatcagtca tttacatgca 660
tttacgaaca aagagttatg attcagggga agtaggggtga tgtacaagag ttgggggana 720
tgcgggtttg atttctagag aagtgttgaa ggaaaaaaat tgtgtctcct taaaccaa 780
acgcattccc tctgtgggaa cgtggctctg ccaaggatgg ataccgcaac ggataggcta 840
cacagtcaat gttttctggc ggacgcgaag aatcgttgtt ctttccattc tcttggttaa 900
ctcaagttct tggggcctgt ttgcgatttt ttcactcnct cntatatatc aatgaaaaaa 960
aattca 966

<210> 3112
<211> 852
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(852)
<223> n = A,T,C or G

<400> 3112
natttacntt gaaaactcct caacgtcgct ganatcagtc ttgcacacca ttcgggtcgat 60
atgccgggac cttgagtcgt ggtttcagag cctcccgcgc gaactgaagc accgagcgac 120
aacgattccg agttcgtgat gcagcaagac caagatcccc tgacaagcaa tactgtgagg 180
atatttagac tgcaggccat ggctttacag ctcgcctacg ataacataca aattctactt 240
catcggccat tattgcaact tccccttggg ctatgttccc catcgcattg tttcatgggt 300
atgcgcagca cggatgcata gaatgtcaag ggcaagacag cgaacaagcc aaaccctgtg 360
gccgtagaca gtgcaacatt ggcactgagc aaaactcagt gctacaagtc tgcagttcgg 420
acagcttgcc tgaacgcttc aattgttaag gaggcgaggc aactcacgc agcatcctat 480
atcgggtatac agttgttcac agctggcatg gttctcagca ttgtggcgct ttcagcaccg 540
ctctcgtcag aggtcagca ggcgaaaagg gctattggcc gcattgtctc tacaacggcc 600
tcgatcggaa acaaaacact cctgtcgacc cagagccaga aaatcctaag ggaattgggt 660
cgctcattc tagagaagga aatgaattcc atcttcgcgg aaccagtagc ccagtcctgat 720
actctaaacc atgaaaagcc gactctccag aatccgaatc agtcgggtgcc aagcaaaatg 780
tcccgttcca actcaaggcg aaggctataa cttcngatct gcttcccaaa cagggatggc 840
tacttacaac ca 852

<210> 3113

<211> 199
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(199)
 <223> n = A,T,C or G

<400> 3113	
ngcgatnacc angaaaagan naccgaccct nggncgcaac catggacnaa aagcnaactg	60
gcaaccaagg gccaccccaa agatnttcaa ctaagggaaa gnaatnactt gnaatgagat	120
tnaatggatg ggatgctttt taaaagccga tttaaagagct tagtatgaat taaatttgac	180
nttaattntt ggttccccc	199

<210> 3114
 <211> 158
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(158)
 <223> n = A,T,C or G

<400> 3114	
nnccccaat ctgngaangg cccttgggng aaaaaangcn ggcggggctta naagnaacca	60
tgaaggaatg ggacgnaaac ccaaggggaa aaaggncccc nccgtcaaaa accccaaatc	120
aantcanaaa acnggaaacc cccatntggg gggggggaa	158

<210> 3115
 <211> 318
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(318)
 <223> n = A,T,C or G

<400> 3115	
nctngggagn aacaaaangt ncaggganct gaactnntcc gccgtcagcg acctatcggg	60
actgattnct ggcgcaagcc ataccgttga gcagcccgaa tcgcaggagt ggntttctaa	120
gacagtcatt gaatttttga agacagttta aataagatga tacgtttcca ggtagtacia	180
anggcggaca gcagatntct tggacaatcg ggagcagctt gattatnaat acatgtgtat	240
gtaggagcca tagtctaagg agcataaagn gacctactaa tttcgtctct tatgctccca	300
gcgatcaatt tttctgat	318

<210> 3116
 <211> 105
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(105)
 <223> n = A,T,C or G

<400> 3116	
nggaaaaggg ccaaacnacn aaggggcaaan gnaaacccct ggggggtaaan cnaaatcccn	60

aaaaangcta aagttcccn aaaanaacca aaanncgcg aaccc

105

<210> 3117
<211> 149
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

<400> 3117
ntggccgtn agccttaat ttnaggagg gatttattaa aggggtatat accatnattg 60
gcttatggat gtaacnaact atttacgttc tattcatatt taataatgac tnttcccacg 120
ggttttttgg ttttggttaa aanaaaaaat 149

<210> 3118
<211> 308
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 3118
agaaacaata cttgatccaa attctttgat agtacgatat atgaagggca ttatcgttct 60
taataattta ttattaatat ccaactgctt ctgctggcta aataatcacc gaatnggctt 120
ccgtcagtn gtcgattntc caataaaaaa aagttcccct ccttcttcaa tcccatcccc 180
cgntgacgct gccgcttccg ttncgcctcc gaacccgntc tcttngtgc tcccgttcgc 240
naccgtcgca ttcgcaatta tnacaagccg aggtcgaaca gccaaagttt tnttcaactt 300
ttaatcac 308

<210> 3119
<211> 162
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 3119
ngggcaaccg ntgtgtagct gnggcaataa atcgaaatgg nngggatatca tgtgngacan 60
cganccaant actnaccgga atncaanaac ggganantag gggccttagg ggaagngagg 120
ngaattgaag atnagaggct ggantnggga gtnaacggtt aa 162

<210> 3120
<211> 326
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G

<400> 3123
naaggcgggg ccanaaccca attcatttcc cncgaaagca cttggntgna tcattgaana 60
ttgggttnccg ggaaaccaag gncggcanaa attaagggtt tttttantng ggttgnaacc 120
agggaaantt tcggggaagg cannaacccc caccaagggt ccgangccat ngggncccct 180
tacatttttt agnccgngtt tttttggccn ggaa 214

<210> 3124
<211> 111
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

<400> 3124
nggcaaaaac cccnagcccg anganagggg aaaaaggggn anggcaagaa ggcagcccna 60
agaaccnagg gccggcccng gggggacang aaaaaacccc ganccccccc g 111

<210> 3125
<211> 261
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 3125
nggggggtccc cttaacnggg ccaagccttc ccccttaaan gggtaattaa cccccaaccg 60
aangnattca aggaaggaaa ccggtggggg gccngcccg ccggacngga ctcaagaanc 120
gggtccttct aagcctgggg cctcgncnat gccnggttg cnggattngg aaatggcctt 180
ttntaagcc ntcaaaatcn ggacccaaat anctcgaaaa ncaaccgcc cngccgaaaa 240
aaccgggaac ctaacaaaaa t 261

<210> 3126
<211> 238
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A,T,C or G

<400> 3126
nttagtcaaa gcaaatnaan atgaaccctt gatatttaac cgtgcttcgn ttaggtggaa 60
gcttgnaagc ctacngangc ctgnccaang gccctattga ngaaccatgt tgctncggaa 120
atnggagaag ccttgnttac ccacncttca aagcaaaagg anaatctttg gccagggatt 180
ttggttgggt gcccttttgg ttggatcccg agaagatttg gangaccgaa agggaatt 238

<210> 3127
<211> 120
<212> DNA
<213> Fusarium venenatum

<220>

<221> misc_feature
<222> (1)...(120)
<223> n = A,T,C or G

<400> 3127
gttctcaact ctacaggcca tntgcagnc cacaattact ctaaaacact atnntcacco 60
ccaccggatt tcaacttgtaa cgctgnngtg ccatcgacng accactctgg ncgccnactg 120

<210> 3128
<211> 174
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(174)
<223> n = A,T,C or G

<400> 3128
ccgggggttna aagaaacaat gcgctctcta natgagggtg gtgattgggt taaagtcact 60
gctgtgggtgg aggagggcgg acgtcgtctt ggggtggtcta cgcaagacct aggagcgtgt 120
ggttatgata ttatgagcga cgtaaaaaacn aaataatgca tcatccatgg atcc 174

<210> 3129
<211> 484
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 3129
caatgctcag agatatacac atcagcgtcg aattgagcta tgaatcgtct tatacctcca 60
gtcttgggccc ggagccaggc attcttcagc cactgtaaca agctgcccac caccagcctt 120
gctattaact catggaccat gacgcgcctt tgctttggtg tcgctaactc gaacggttgc 180
atacgaaaac catttctcga actaccacc gaaactgaat acctatatac cacgtaaaca 240
ttggctatgt ttattgctcg tggctgctgc gcatttgcca caagcgcagc cttgcctttg 300
cattgccagc gcccaacact gctacagctg caagcactaa gacaattgct ttttcttttt 360
ctctaccaga aagttgntgg ctgncactgc tacgccactg natacagagc aaacatcaat 420
gggtgcggctg gttcccgtg gctggctttc tttgncctct catcgcatgc atttgcaatc 484
ggtg

<210> 3130
<211> 148
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(148)
<223> n = A,T,C or G

<400> 3130
nttgggggatt agcccgttgg anttatangt gccncgtccg tntgangata aanaancct 60
ttnttaactg naaatctgaa ataggcgttg gcccaaccatt aaaaggngcn accccggccg 120
tttttgctgc ctgacttgn tnaaaaaa 148

<210> 3131

<211> 113
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(113)
 <223> n = A,T,C or G

<400> 3131
 ngttanagga ggntttttacg gcgaggaacg ctcatgctc ggataatggt cttcgaaaaan 60
 gatcgggtgg cgatgacaag gacttggtga cgagggctta caggagacan tgg 113

<210> 3132
 <211> 135
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(135)
 <223> n = A,T,C or G

<400> 3132
 nctgggctgt atcganatct cgcttgggca caagancatt ctttggacgc cgctnnggctc 60
 ttncatttt atagngantg gattcnncgc tataatggct nttacctgtt atanctaact 120
 ggggcncggg anggt 135

<210> 3133
 <211> 111
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(111)
 <223> n = A,T,C or G

<400> 3133
 naacgganat ttttgacncc cccanggccn acgnatggaa atccccctttg gccangcncc 60
 tttggttgaa aaaaaaatt tncaggnaa cnttaccg gggggtat t 111

<210> 3134
 <211> 174
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(174)
 <223> n = A,T,C or G

<400> 3134
 nttatcatng gtacttggaa nttngggacc gatttgaaaa agcacangta cctggatata 60
 ancatttggg aagnggttgg ggngattttt aatgggatga tgcttaaagc ttcttnccac 120
 cncttccttt ggaaaaattc ttaaaaaacc ataatccat ntgntccacc cctt 174

<210> 3135
 <211> 257
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(257)

<223> n = A,T,C or G

<400> 3135

ngacttttgta	ggtttaaagg	ggttaatgnt	ttatgcntga	attggaacca	atggccccag	60
gncaacnaat	tttttgcccc	accttnattt	cgggttacia	ggcgangntt	attttaaaaa	120
ttcccccncc	gcaaaacacc	catttanccg	cgttttttta	ggactgggaa	tttccttgga	180
taccacnttt	cttttgcccg	ggattaaccg	tttanaaagt	ttttaagttc	tcaacnttnc	240
cctgnaaaa	aaggtaa					257

<210> 3136

<211> 281

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(281)

<223> n = A,T,C or G

<400> 3136

cttcccgcaa	tcattcangg	acatttccga	tctcctgata	cccgagctac	gaaagtagag	60
gactcttctg	gaatgactac	gctgtgcctg	aaggcactta	cccgcgagaa	cttctacggc	120
attccggggc	agaagtaccc	attaaaagag	catgttgctt	cgtcncactt	gtgggtctgct	180
tctgaagata	aataggtata	acacgcttaa	atatattatt	taaagccagn	agaaataata	240
gtatatctta	tttaagntaa	ttattttact	taattaattc	t		281

<210> 3137

<211> 120

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(120)

<223> n = A,T,C or G

<400> 3137

nttntatgtg	cccgctccgnt	gangataaac	anatcttttc	tcaactgnaa	atctgaatag	60
ncgtttggcc	caccatttan	agngccaccn	cgggcgtttt	gctgccctga	ctgnctgaaa	120

<210> 3138

<211> 441

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 3138

cgcctgccgc	ctctctaaac	ttatcctagt	tggtcgcaac	ttttttctct	ctctcccctg	60
ctacgttngg	atgtcaaate	tttagtgaga	ctgacacggn	gggcgtctta	tcagaacaag	120
accctctttt	ctacttttgt	cgcaatcctg	actccaccan	acgccgcgcc	gtttgatctg	180
ctctgntttg	cgctatcgac	cctcgccctc	cattgcatgg	aagttccatt	ttcctatcct	240

tgcttaacct gatcctcgna ggttttggct tttcntgatc tcgnancccc actcaagttt	300
tttagaggnt gtaccgtntc cacaacgtcc cgtcgactcg tgagngggtt gggntgctgc	360
aactcgtcac tcatgcactt gacttggctc ngaatctaaa taaaacgtcc atctcctcca	420
attaattctn tngcccttcc a	441

<210> 3139
 <211> 440
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 3139	
cagacacaaa atgaatttgg cgtgaagcaa cacgtctcac gcagcattcg aagtctgttt	60
ttgctttcac gagcgtcagg tatcgatcgc cacgagtttg agaaccttgt tagagctgag	120
ctcgatattc tcggcatggg tgaggatcag gaacaagtgt aatgttgtgt tgaacacgca	180
atcaatgcat ctttcttttg tttatctttt gacctatggg atgaaattgg gaaaaccttt	240
tggggtaatg catttttgta gtctcggcat gcatgcaagg cgtttgtcat taagcatctg	300
gtagaggtc ggtcaagcga ctactttgtt tcgagctctac ttaaggaaat tagataggac	360
atggtcatat gtntcgaaca aggatgtnaa tagcatctca tgagagaatg aaacaatact	420
acattataaa tgttttgatg	440

<210> 3140
 <211> 306
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(306)
 <223> n = A,T,C or G

<400> 3140	
nccaacacaaa ttcnggtctt tcnntcactt tnaccancca gaacttacgg aaccggnttt	60
cataangccn ttaanatggg accttgnata ttngaccgat ttgaaaaatg cnaanttatt	120
tgatataaca ctggnaaggc gttgggggng catttccaan gggattattt taaaccttcn	180
nccacgaana ctttgaaaaa tttcttaacc tnccttaatt caaaagggtcc nccactaaan	240
aaaanaaaaa aaaattctng gggcaatcng cttctnttta aaggcccnat tccccctnta	300
cggatc	306

<210> 3141
 <211> 348
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(348)
 <223> n = A,T,C or G

<400> 3141	
catttacagt ccgaaatggt atactcangg cgaggggtgc tatgtanccc cgatcaggag	60
ggaacgtctg attagatggg ctccaagacc ccagaccact cgacaagcaa ggagtgactt	120
ggttaccagc tttgtcgggg gcatttgggt cctatatatc gcattctata actaccccc	180
ggtagtcaga tgggcgtaac atcacgattc aaggaatctt tatctctata agagataaca	240
caatatttat agacgtctgat accgagtgc gtggatggga atagtccaaa cagatttgga	300
acagtgtaca ttaacgaatt acgaaagcat tcctacnana aaaaaaaaa	348

<210> 3142
 <211> 566
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

```

<400> 3142
gacccgagcc agcccgtagc accacccaat tcgttggaca ccacgacatc tctctgagag      60
gacgacaaaa acgaagaaaag gtggccaata gcgatatgga gtgacgcaaa tcgttgcttc      120
gattggatgg cctttccaac ttccgtcgtc ttgactacgg acctatccaa actctcataa      180
tggaaggtagg ttgaacttca aaaaccctgc ttggtcgctg aaacagctgg ctacagccga      240
taatatgata tatcgctggg ctttataagt cagancttga tgtttggctc attttgaaac      300
actatggtagc gatgcgaagc cttgggaaaa gcactgactg gacttgcttc tgcttagtgg      360
tggaatatca gctactggca tgaattcacc agctgttaat aaccaagggt acgaaacatg      420
tgaccggatc tgcggcgtga cttatgaaag ttgtttatca gaatgtacct gcctgctctg      480
tgcaacttat tagccacca ngcctatata aanacagcag cgttgcantc agcttggtta      540
cacaaaaaaaa ctcagcagtc ccttcc                                     566
  
```

<210> 3143
 <211> 297
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

```

<400> 3143
cgggagctta gcgcgcatat cgatataaag ataggctttc tcaaactcga ctcatgtgag      60
tttcaaaaag caagggcctt cgggggtgcgg ggtacnattg cggaatggca tgatggaccg      120
tgggactttg ggtggatnca cgtggggggg gatctactag agacccaaan aagggattgt      180
ggaatggggt ccaacgttga taaccagttt catatgttta agaaggaaga acaagatgta      240
tagtatagat agtatnggta gggatcgaag gagaactgct gcatagaatc tcatctc       297
  
```

<210> 3144
 <211> 143
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(143)
 <223> n = A,T,C or G

```

<400> 3144
nganggcttg ngcttacnca tctaataccg agtgnnggag gntaaggtag aantcctctg      60
ntacaagctt tggaacaagt tatnaagana ctaccctggg ganatgcctg gttatttnac      120
caacaaccgg ctatgcngtt gca                                     143
  
```

<210> 3145
 <211> 780
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(780)
 <223> n = A,T,C or G

<400> 3145
 tgactgccca cttgaaatca tcctcgctcc gcgtcctcgg attgctgcaa cttgctacac 60
 tattgcctgc aacatgaaac gcttgctcgt ctggctctgc acaaattcgt tcccgcttcc 120
 attctggatt aatgctgctt taagtcctct gggatagtc aactcttcaa atctggaatt 180
 ttgctacacc ctgctggcca cttggctcctc gtgacaaactc ggcatttttg aatacacaaa 240
 gcttgccgaa acctttcctc cgggaaccata tctcagcatg ccatcaacta tggacaatcc 300
 cacttcgtct acaggcgaca ctgngntttt caaaccatcc tgctcctgaa tttctccatg 360
 agaactagac catatcgaca ccggaattgg aacttcatca accctatggg ttgacaatgc 420
 ctgtacagca ctatggatgg tgcaggagga agaattgggca aggttaaagg gggggattct 480
 gcggcttaat ttcaaactct tgaacttgga tccatggact taatctcttt ggctgttttg 540
 ctgnactgtc atttattgtc tcttacgtcg ttcancgaaa attttgcttt tgattggaga 600
 tncacggagt ttaagagggt gcctatatct tccgttcgat tcgattgttt gaaagaggat 660
 tatgaaacta ttnttattgc aaangtttga ttggaataca agagntgggt atgtctttga 720
 atgaatgaaa agatttggtc gccatcgagt ganatgaana aataanaatt cctttgagcc 780

<210> 3146
 <211> 120
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(120)
 <223> n = A,T,C or G

<400> 3146
 ngcätcnctg ctgctctaaa tgtnnttggg gggctgnaag attttcacna ttnatgcgac 60
 aattttttnc gccntggaat gcccgattta cnnctttaaa atnattggnc gttctgantn 120

<210> 3147
 <211> 388
 <212> DNA
 <213> Fusarium venenatum

<400> 3147
 cccaaaagaa atgttctaaa tgaaaagtcc ccaaccacga tcgtcgattg ttcctttttg 60
 cacttaccat ctgagaccag aagaacctaa agcacagggg tccgacaatt caacatgatt 120
 tccatgagaa taaccgagac tcttggtgtg atacctcttc gaactttggg ttttgtgatg 180
 aggcctttga tgatgtggag gagggatatt tcattagtga acgtttgatg gaggttggag 240
 attgccattg atcccgtgtt tacccaagga cgccagagtt cggcggacgg gttttatgag 300
 tgatggcaat gggaggtgat cttgttacgc ttccttgaac gggacagggt ctgcgatttt 360
 gcacaatagg agtagaaaag gaaaggct 388

<210> 3148
 <211> 651
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(651)
 <223> n = A,T,C or G

<400> 3148
 aaggtttcac gttcatcgaa gggagcgagg tccctgccgg atacaagaac gactatgacc 60

```
tccatttcaa gtcgtctgtc gaactccatc cgcatttoga gcaagcttcc aacacatccc 120
atctcccaac ggcaaccgcc aaagaagcgg cccgccgcac gtacggccaa cgattgctgt 180
atgacaggac tcctgcacac gaactcgtat tgaacgctag aatcgtaggc gtttcgtggc 240
cgccaaagta cttggggcgag tgggcaatgg gatttcatga cggcatccaa gccagtgttc 300
caaccgagat cttgagactg gatccgccgc acccgaacaa gtcaagggtcg atggaacaag 360
tccggtgcaa gctactgcaa agtgggaagt caaccacaag gacaagggtca aggggtgactg 420
gcttaagttc gagaaagacg aaatcattac caacatcggc tggccttata aagaattttt 480
ggtgctggtc aggcacaaat gccaaangca agacaggaat tttcccagc gtttattgac 540
gcagcaacgc tacgcgactt tggcaagtcc ggctcggata gggcgaagta tcgtgagtaa 600
tgaacgaaac aagnccttgg ctggtttggc ttcgggttac atctcgcaag n 651
```

```
<210> 3149
<211> 125
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(125)
<223> n = A,T,C or G
```

```
<400> 3149
naaaaggccc gaacngatng ccctttcaan agtggcccag cttttacntn ccgggaagtt 60
aaaggttnca cttntaaaaa naaaaaccgg ttattcgctt gnttngtggg atgacncaag 120
cgatt 125
```

```
<210> 3150
<211> 176
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G
```

```
<400> 3150
aagacaaagt tcatgattct cattgaattg ttttgataaa aggaagcaag caaaaaatag 60
attgtcatat atccagaaag aatagtggta agcctatcca aaggagagcc ttctttacta 120
gaatgcctac ccaagaaagt aaccaagtgg ngattnatgt nctggcaaga ctttct 176
```

```
<210> 3151
<211> 396
<212> DNA
<213> Fusarium venenatum
```

```
<400> 3151
atTTTTTTTT tTTTTTTTTT tttattggat tcgattgcga gcgctagcat ttagtttcat 60
gtttgggaga taaactttgt taaactgaag aagaaaatta ttgatttcac atataaagac 120
tgcatgacat cacactgtga tatttccgac atgtgattca agcacctata actggcatct 180
caccatccaa catcatatcc ccatcaacaa gggagatact gaagatatcg acaccctcgg 240
caaaccacc aaagccagta aagtcaaaca tatctccaga aagtgcccaa tcttcttgac 300
tcgtattgtg tgctgccgac gttggacttc caggtcttgt cggggttgac aacgacgtgt 360
agtcgacgct ctgccacagc gccttgacat ctccag 396
```

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<210> 3152
<211> 210
<212> DNA
<213> Fusarium venenatum
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<220>
 <221> misc_feature
 <222> (1)...(210)
 <223> n = A,T,C or G

<400> 3152
 ncgattttcc gagcngaagg cttcangaac ttcattctcct tagatctgcg ncntgatgtg 60
 cncaaggacn acataacctn gcctttaccc accaagctca acttcctgga cctcatncct 120
 ctcaaganga agtccatgtg aagcttganc tctgnngcat atcgaccccg ngagagcang 180
 ataancacct tncaanaacg ttgaaattaa 210

<210> 3153
 <211> 565
 <212> DNA
 <213> Fusarium venenatum

<400> 3153
 gtttcaacaa aattacagaa gtaatcttct ttaaattaaa tctttggata aataactata 60
 gcggtctcac ttgaaactcg cteccccagt tcccatcaaa ctttcttacc ttgtagagtt 120
 caattttctgc tgtcagggttt ccccaactgc acgaacaaga atcccttttc attcttcata 180
 agtcagagct ttttttcaac gcgtccgatg ataaacaagg tcggtgtgtc gaacgcttat 240
 ttcattggtac caacctctcc tcgccccgaa accacttaag ctgccccgaa aggtagaggg 300
 tttcgagggtc cggagaggag gcactacata gaccgtcaag tgggtcaagt ctgcgttcga 360
 tgggtattgtc cgataaacgg ttgaaaagga aaatgggtat ttgaatttac ggactgggtca 420
 cggcgaaacat taggggggaaa actcacatgg ggcttggtatt ttctgggtgcc attgctgcat 480
 cagctcgact ctttttagtcg agccacggcc tgagagacccg acccggcact ctgcggtt 540
 tccgatattc actcactctt gaatg 565

<210> 3154
 <211> 204
 <212> DNA
 <213> Fusarium venenatum

<400> 3154
 ggctgcgcca ccggtgtccg agaacaccaa gcctgctgag gctgagaaaag atgttgcacc 60
 aaagacggat aacaagggac cacaagagct caaggaagtc aaagagggtc cctgcggcct 120
 gcccgcgaag tgtgttggtc aatagatgaa ttcaacgata atgcaatgcg atgcttagaa 180
 tcaatacaaaa catgttaatc attc 204

<210> 3155
 <211> 546
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(546)
 <223> n = A,T,C or G

<400> 3155
 caccctttct cattgcgtac cagccaagac ttaggtatag ttactctcat tgacaaaaca 60
 caccctcttg gtttcatagn actcattctc attcttctta gtcgactgaa tattaacaat 120
 cactaagcaa tattacttct ggggactcta tcgtccatna tgccttttcg ccntnaaagt 180
 cgtcggcccg gaccccgcc cccaggccct ttatccggtt aatatggaag gcaagggtcat 240
 tttggtttcg ggacgcggtt ccaaaagagc ttgggaatcc ntaccgcaa ctttcccgtc 300
 natnaaactn tgacccttng gatctnaaan tgggattang gcggtttact ttggnntttg 360
 ccttttttcg ccttcccttt tgagcatccc aaangctctt ttatnagngt aatccaacgc 420
 tgttccccaa aangggccan aggaccctnt tnttttantt gggactccc taacccccca 480
 ttccanaatt tccccanggg ttatggntat tgggtacaat cccttttaca aaaacaangg 540
 nccgta 546

<210> 3156
 <211> 246
 <212> DNA
 <213> Fusarium venenatum

<400> 3156
 cgcgtgctaa atagcactgc gccgaacaga actggagtagc aggagtatct gggaaaacgc 60
 aagccgtgct cgaatcgcg aagaaccctt gttgtcgcg ataagacagg atatcaagca 120
 tagcgtgcag attttagtgc gggagcttgt atagtacaac caggactacg agcctacgat 180
 cgttatataa gacacttta tgccttggtt cgactggctt tgaggctggt caatcatttc 240
 gcttct 246

<210> 3157
 <211> 200
 <212> DNA
 <213> Fusarium venenatum

<400> 3157
 gaagactttg ctagagtcgc ggcccgtaa ctgattcatc caccacacgc acgtcgaagc 60
 acctcgcca agcgaatttc tttcctgtta tgataccata ttctttccat agaagagtgg 120
 ccagccgcct gcccatgccc agcgcgacgc cctagtctaa atcggcacc ccttggaagt 180
 tccaagtggg agaattaaag 200

<210> 3158
 <211> 117
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(117)
 <223> n = A,T,C or G

<400> 3158
 ngaacggnta taacatgctt cccntcagt tnccctttgg nggggtacaa aaaaanaccgg 60
 aatttgnaca aaaacttcgg gnaaggcagc cttcgccatc ttacnccana acaaggt 117

<210> 3159
 <211> 461
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 3159
 caacccctc gctgtgtcca acccgcaaaa ctcagccttc agcactgcaa tgtcacctat 60
 gagccccgcc aacatgaccg ccttttctca tnacggggac acaccgacct tcttcccgcc 120
 cgaattactg gctatgaact ttggctcggg ctcaaatggc aacattgacc ctcttgatcg 180
 tcaacttgtt tttggtggat attcggtgga tgttggtacc ggtctaggca gtggtcacga 240
 tatgatgact ggtatgagct gggatgcagt tgccccaagt actcaaccag aggaagactt 300
 gcaaggccgg ngatctaata tcaaancang catgaatggc acacgagctt ggcatggccg 360
 atngagcagg actatttnga cctgaagcat catctgctgg ntcatgccat tcaacatgga 420
 gnccccggag atgggcccaga tncttggnnt aacatgggcg g 461

<210> 3160
 <211> 248

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 3160
ngggcaattt taaanaaagt ttggaaaaac cgggtttttt cttaccaaga aaaggccacc 60
gagctnanta aatttggatg ttaaaggana aaaaccttgc aaggaaaaag attcnttga 120
aaccagtc aagnttttgg aanggnntaa gttcatgggg gagcttgaac canantttgg 180
ggggccttat tccgttttaa cggttgggg anaacaagaa accaacaaca gggcttttaa 240
gaagcaaa 248

<210> 3161
<211> 423
<212> DNA
<213> Fusarium venenatum

<400> 3161
aacacattct actttttgta tcacataaat ctcttgatat caacgccaaag atggagcctt 60
ttgtcaacta caaccacaac acttgcccca agtgcagcgc caccatcgag ggtgacggca 120
aaacctgcgg tagctgcggg gctcactgcc ccgtctaaat ttccaacgga gaaattcaac 180
aatatgatga gacaagacga gacgagttga gatatttggg gttagggatg catacaatgg 240
agtgtggttg gcgatgttgt gcgagggcgc tttttgaaag cgtcactctt ttttatttgg 300
gcggcggttg atggtttaac ctatttgcgt tgggtggtat tgtgtaacaa agattaaact 360
cgctctttta ttcgattgct tatcatgagg aaacaagact gattctcgcc taaaaaaaaa 420
aaa 423

<210> 3162
<211> 347
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 3162
atccttnttg ggatggaggt ttatgatagg gggcttttta ctnatcacia aggtatggtn 60
gattattgaa acaataccag ctcggaatcc ttagtaacat cggccaattc aagtgtcaac 120
tactcggcca gcaactacaa cttatctggc ggtctaccta ttggtaccaa tggatcatatg 180
tnacgcgcct gagtcnacct accctgccgc tccctcgttg gtgcccgncc accttcanga 240
tcgtatggca agcagttgga catgcctcat acaangcacc aactntttna attngtggga 300
gaaccgngag cgatactngc ctaccattt ctgtggacga catcttc 347

<210> 3163
<211> 155
<212> DNA
<213> Fusarium venenatum

<400> 3163
cgaatctttg aacgcacatt gcgcccgcga gtattctggc gggcatgcct gttcgagcgt 60
catttcaacc ctcaagccca gcttggtgtt gggagctgtt ttagttaaca ctcccaaat 120
tgattggcgg tcacgtcgag cttccatagc gtagt 155

<210> 3164
<211> 113

<212> DNA
 <213> Fusarium venenatum

 <220>
 <221> misc_feature
 <222> (1)...(113)
 <223> n = A,T,C or G

 <400> 3164
 nggatttagg gaaaatcccc gctnaangga attttgttnc tccgggatnc attgttnatg 60
 gngaanccca gcttaagntt gaacctggnt tttaanaggg cccaattnca ccc 113

 <210> 3165
 <211> 440
 <212> DNA
 <213> Fusarium venenatum

 <220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

 <400> 3165
 gcggttctgt cctgcgatag cttttctgaa gttgaccttt cttcgccgat gttcgggatg 60
 gattcgcatc tcaacgacat cgattcagtt cagtttgogt tctcaaatcc tccggtaccg 120
 tttcttgatc ttcccaccgt ctcggatgat gtctccaaga tggcatcgct cactgggttca 180
 ccagtcaccg tagccgctct atagagccgt aggttcagcg tgcgaccaga cgaacgatac 240
 cattcttgac tcatcatctg cggcggttggg aaacgacnga atatcagctg catttgttga 300
 tgtcggttct ttagatttca agttcatctc tgccgacaac tccgcccggca acaactcagc 360
 ttcgatataa cccagcattc agacgttcaa agaaatnctg ccnttcgtct gaaaaacaac 420
 nagtttnttg agcatggaaa 440

 <210> 3166
 <211> 636
 <212> DNA
 <213> Fusarium venenatum

 <220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

 <400> 3166
 nccaccccc gtgcencttc aacnntgaac ccaatggana tgatgaccn tnagtctttn 60
 acngacganc aaatccttna tccttcttat atcagncnag aggaggacat gtcaacncca 120
 tcatcatntc tgccctgaga agagacaacn aagaagcgaa gtcgngggac aagtcttccg 180
 acccaagacn atttctctng aaaacgacaa agactggatg actaaaaaga gngcgccgtt 240
 tgagcgcttc tttnaatngc cgcgctgttt agncttntcg tgaaccaaga aacaagaggc 300
 gangctntcg gaaagagaat gagggaaactt ggaacaagcc ggaatggcgg gcgaacaagc 360
 cacgcttaac tcatgatgga cttgngccat ccgacggtnt ggagncggtt tatacttccc 420
 cttnggtttg ggactttttt cgagtcaatc tttaatatga caggagcttt ttancttcca 480
 gacacgcncg aaactatnga cgcattagng gnttcaaaca acaacgggga tcccnaagaa 540
 ttttctgtt ttgcaccaag ggttgatgnt ntgaaaaatt gcccccaaaa ccattnaatg 600
 aggccaancc ggactgatgn aagacttttc gactga 636

 <210> 3167
 <211> 175
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(175)
 <223> n = A,T,C or G

<400> 3167
 ntggtnaatn aataactacc aacactggat ttccccttgn taaaagcgct gngcatataa 60
 aaaatgnctg attttattgg cntttattgg cactaccccc gaattcatac tctgggggctt 120
 tacangtttt ttggagctnt natacggcta aaccaatata ccaccattta tcacc 175

<210> 3168
 <211> 222
 <212> DNA
 <213> Fusarium venenatum

<400> 3168
 aacgaaactg gcgagtccag tggtaatgcc tttagcgggc agcaagactt tggagggtcag 60
 gacccagggt tccaacaggc catgaacgcc cgcgtcgtgg agaacatcta gatgctctcc 120
 cctcgtgcct tccaatcttg aggtgatggt cggctaacgc ttgagggttt cccgtttcgg 180
 gatttagcct ggtctacttg atttcgaaag caacttcgac tg 222

<210> 3169
 <211> 153
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(153)
 <223> n = A,T,C or G

<400> 3169
 ncnttgaccg atantgggga cgggaancaa ggtttccttg tttttancag tanaactttt 60
 attttcgttc ncnacctttt ntngttcggc cnagcttttt nggattnttt tctaaaaaac 120
 nnggccttaa cttgcggtna aatgaaggga ttc 153

<210> 3170
 <211> 404
 <212> DNA
 <213> Fusarium venenatum

<400> 3170
 tttccgcttg tcattgcttg tctgttcggt gatatgaccg cagccgtcat acgcatatct 60
 gcgggagaat ggacaacagc tgcaaagatt tctttacttg ccacccatct ggctctgata 120
 tcccaagtct tgacgacaga tacaacagg atgaggctgt aggacgctca aagcacaacc 180
 atcgcacttt ttacgaccga caggagattc taccctacac ttggacaatg cacgatgaca 240
 atcagagaca atgtcggtag aatgcctagt gatggatggt cgggtgtctt gattggctac 300
 gtatgcttag ttatttatga ggcggcttag ttgccgctat tccgcttcgt catgagtgga 360
 acaagtogaa gccatgttaa tcaatctagc tcgatctaga gact 404

<210> 3171
 <211> 339
 <212> DNA
 <213> Fusarium venenatum

<400> 3171
 ctgtaagcaa actttgttag tgcgtcgattt ctgacaaaca cttctaaatt tttcttttct 60
 tttgaatgca tgcgaatgcg aatgtccaca agggctgagc gcttgcccaa accttagtaa 120
 ccgttgaact cgtatgcaag ggatatgtaa gtcacgtggt ctgaagctga aaaggagtgc 180
 gatctaccga gaaagctggt catgtcatat ggccagatcc aatcttgaaa ggatcgtgag 240

ngagggcttc	ctcaagtcac	tctggcatac	tctgaccaac	caccccgctc	acccaaaagcc	60
gaatgaagat	ggaagtcaga	atgacggctc	taccaagaag	cctgacgaca	acgataagaa	120
ataaaaagata	tttcgctcat	gaattgtatc	atatgcttgg	gagaattatc	aacatagagg	180
aacggaagaa	gcgcatattg	tggtgttcaa	aaggttggta	ttatttggtg	tatggcgctc	240
gtggaggggt	acgatagccc	aactactact	cacgtcgatc	tgccacagcg	tcagatctgt	300
tgtatctaata	nctgnagtat	agaaagaang	ggctangaaa	ccccangagg	ncacttttctc	360
ataggttttg	naggtaaaaa	tcactatacg	gacatacaca	tggaataa		407

<210> 3176

<211> 224

<212> DNA

<213> *Fusarium venenatum*

<400> 3176

aagtcccgtc	tcaagcgtgg	aggcttgatc	caccaggtcc	gcgtcggggg	ttaaaagtag	60
ccccgagttg	acttcagcca	tgaatgagat	gatgtcccag	ggaaagatgc	gatccctttt	120
ttgtaaataa	gcaggagttt	ctgggttgct	agtcactaaa	caaagtatgt	aaatttttat	180
tgcatttatg	tcagggtgacc	aatttggtca	cggcaatatt	tgac		224

<210> 3177

<211> 240

<212> DNA

<213> *Fusarium venenatum*

<400> 3177

gcgaatgctg	gcggagttct	gaagactgag	gaggtcaggg	ttcaaacacga	gcgcctgagc	60
accttcagcg	acgaaaactc	gatagagttg	aggaacttgc	cgcaagctca	ggtcaaagggt	120
ggttatcaaa	gccatgatcg	agcaccttct	ttctaaaaca	aaaatccttt	tttctcccat	180
tcatattatt	tactatgtat	ttatgatacc	ctcttacaac	agacaacatc	catttgcttg	240

<210> 3178

<211> 174

<212> DNA

<213> *Fusarium venenatum*

<400> 3178

tgcactgcgt	tgtataagga	cggagatgtc	aaacagggga	acctggttta	tacaattctg	60
aacaaatcag	tagttgtttt	ctagtgcata	aaacgcagca	gatacaatat	caagtatgga	120
gttgggtttc	gatttgaaat	aaggaagcca	gcgggccact	cgttgagaat	ctcg	174

<210> 3179

<211> 534

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1) ... (534)

<223> n = A,T,C or G

<400> 3179

tggtgatatt	ccaaccgna	tctcgtctgt	tttcccatcc	attaggacaa	ttttcggttt	60
ctctctctac	ttttcttggc	tcttattact	tgacctctc	gcaaccaatc	ccaacgttgc	120
atttaccac	tggaactgaa	cgaagcgacg	atccatccag	tcacccatgc	agctgcagag	180
aactgagacc	aacaggctat	tccatcacct	gcagttcttc	gactctccct	ctttgatcaa	240
cttgattatt	tggttcattc	ttcatttttg	ctataacctt	tgctttgggt	ggtcttcatc	300
tattggcgcg	tgaaattcgc	tcttttgcca	gtttattctt	caaatactgn	ttcgtatcgg	360
caatttttgg	cgggccctaa	atacgtgaca	cacacccatt	ttgcgggcng	gtttgcatca	420
atcaaccatt	tccaacgaa	tttgaggttc	gctatatatt	gcttggttgg	ncattggaaa	480
taaaagcttt	ctgancattt	aatntcaatc	atcccttggg	ngggntttcg	acca	534

<210> 3180
 <211> 256
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(256)
 <223> n = A,T,C or G

<400> 3180
 ntgggggtgga tacttttcaag ctgtgatgta ccagatctat caattcaacc cctatganca 60
 caaacaagga acttttcatcg gcctcatntt atactttaat cngaacgctt ggncattact 120
 nttcctcgcg gggacaagtt tgannctcgg aggatantta aggggtataat gggtcctgca 180
 ngntggctca aagannttaa aggttttcaa ccaagnnctg gggctcttaa gaacatgcct 240
 cttgggttat aacggt 256

<210> 3181
 <211> 322
 <212> DNA
 <213> Fusarium venenatum

<400> 3181
 cctatcttgt cttctaaacg ttgtccaatc ggcgtcgagc cagctacagg tcgatgggtat 60
 cagattatat tgactatgat gatcgtccag gtcgtcacgt aaaaccggcg ttaggatttt 120
 tttcgttcat atattgcaag ccccgcgatt tgtgagaggt tagaacctca ctattgcgtg 180
 cagaaactgc ctggcatggc atcttccatt ttgttgtctg tggggttggg ttacggacca 240
 tgtttagata aataacttgc gtctcgtttg gagtttcggg ctggtagatg ttttaaaaga 300
 tatgaattga tctttcttca cg 322

<210> 3182
 <211> 402
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

<400> 3182
 ngngcctcga tntcgccggg ctccaaggg tattatcggc tccacctatg acgctcttac 60
 ctcttctgag aacgccgctg tcgtccgcag catcgctatc tttggttttg cagtgcatt 120
 cctgtccagc ttttgggggc gagatccttc tgcttcccca gtnaaatgac gctgtaacga 180
 tacccgaccc aaagaaactg cgtggggaat ggggaagaaaa tcagttcaag ggggtangaat 240
 gcgccnatat ccgcctccct ntgtgcatta tttaatcgaa tacttggaca ttagttggag 300
 tcagtggacc gtttaaacaa ggaagggatt tcaaaageta gnctgtgnct gtncaanggc 360
 attatgatac cngctgnata gaaatcgaca tgatcaattc tt 402

<210> 3183
 <211> 139
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(139)
 <223> n = A,T,C or G

<400> 3183
 ntggggggcc gttngagcca tngcattaag aagggccaaa ttnggcctta tagggangnc 60
 gtattacaat tcantgggcc gncgattnaa cnacggnatg gactggggna aacccttggc 120
 ggttcccaan ntaattggc 139

<210> 3184
 <211> 203
 <212> DNA
 <213> Fusarium venenatum

<400> 3184
 tgttctttat gcctgactta gcgcgagact ggcaagttgc agaaatgctc cttgaatctg 60
 gaaccgatgg cgggtgggcca atgttatgga cagggatgtc acaaattggg ggatatccat 120
 gagaaatgcc tcaataaagt ccaaggtttg cataggaata gttcaaagtc atagataact 180
 ataaaaagca ccaaactgac tac 203

<210> 3185
 <211> 168
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(168)
 <223> n = A,T,C or G

<400> 3185
 nacctttact ncggagttaa aggttaccct attaaaaaaa aaccnntttc gnttgtttgg 60
 ggtntncaaa gggtnntttg cccccccggg ccaccggang ggatccctng gcaggcncct 120
 ttggtntaaa aaaaaanttc cggaatttac ccgggggggct tttgggga 168

<210> 3186
 <211> 127
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(127)
 <223> n = A,T,C or G

<400> 3186
 naagccgaac ttgtantggg ttgtgnaggg tntttaaaga agganggcaa acagancna 60
 gtaaacancg tnttgaangg acccggtttt tccatggngg anatttcaaa gatttnacna 120
 cacatgg 127

<210> 3187
 <211> 538
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(538)
 <223> n = A,T,C or G

<400> 3187
 ngctcttggt gcattgactc ttttctccc actccctgcc aaatttggcg aggatgatca 60
 tacaacacct gccgaagcgc tgtcttatag tttctatgta gtcgctgttg tcgcactggg 120
 tgtgtctttg tttgtagcaa tcgggctgcg aaacatcaag ggtgaagaag gcaagggttt 180

taggggttctc	tttgggctta	aagatgagaa	cgaatcgact	agatcagacg	gaaatgggtca	240
ccaacggaaa	ctggcacctt	atctacatnt	tatgaaggat	tcagcttcct	tggttttgtc	300
gattctcgaa	tcggtctcgg	atatgttggt	ggctttgncg	ctagagcttc	nagegttgcc	360
atttactttt	catccctctc	tttggcaaca	catattacat	tagcaacggn	ttctgcaaag	420
gctacctcac	gactctttgc	tgagctnaaa	ggaggagtgc	aaaaacgnnt	acattctctc	480
gtcatcttga	ctggggggtg	cgcaagttna	tgggncttta	tcttgngccg	cctatctt	538

<210> 3188
 <211> 599
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(599)
 <223> n = A,T,C or G

<400> 3188						
aattttttttt	tttttttttt	aattgtacat	gtaggtgtga	attggtgatg	gtgcggtagt	60
ttacagtggg	ataatacaat	atgtataaca	aatggccctt	ctttatgaag	tcttttccgt	120
gtccgttgcc	tcgtccataa	ttttgagttg	tccaagaaac	cactcgttct	tgaatctgac	180
caaaccattt	atttcttttt	gttcaacatg	gcctgaatat	catccacgcc	cttacccttc	240
tcccggcacc	accctcaggc	gcgaagctcg	ttgtgaccgt	catcttctgg	gcaccctgcg	300
ctctnaattc	atcaagcgtc	gcttnttctg	gatatcggct	actcccactg	cttgaagtac	360
ttgacccaag	cagcagcgca	atccgttcaa	agtctaccgc	tctgcggacc	aagggtggaa	420
gcgacggacc	actcttncac	ttanacnaac	gaagccatcg	tattggttgg	tgngggtaac	480
aaaatcaaag	agtgnngggg	ttganaatca	ggggctttat	aggccctgac	taacatggta	540
cnatactgca	tcgggttttg	ctgnaaactg	aanaacctgn	ctaacanatc	gtaattctg	599

<210> 3189
 <211> 622
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 3189						
ntccaacacg	accatcatca	acgtcgacac	caccccccaa	ctggggccgctc	ttcattccta	60
ttgtgactgt	cgctgtcttt	tgcgctaccg	ctcaatataa	taatacttct	tcaccagcgt	120
cgcggttctt	tctcatcgta	caaccggtct	actgctccaa	ttcgcttctc	gcttgcggtgc	180
tatcacttat	catattctcg	ctttcgctcg	tctttccctc	cacaaattaa	actctcgact	240
cgagcgcttg	cttgctcgcg	cgcacttaat	actccagtcg	gaaaataatg	cgcgactcct	300
cataatttaa	tcaacatggc	ttcccctcgc	cgggcacaa	cctcgctttc	tgctcgcatgc	360
cttccaacca	acctaccgat	cgtcctccca	tcgatgccct	ctttctcatt	cacttcgacg	420
tcaaggntgg	atacacaatt	ctttggaaac	aaaatgcacc	aagcatttga	cctagaaggt	480
cttggtgagt	acaagtnctt	ttcttntgga	ctacacaccg	ncttttgaag	acctcatcta	540
ctttgtncac	gatagtnnac	atggccggga	cttangcgct	tttcgtcaac	atggccttgng	600
gacganggaa	naaggcaccn	aa				622

<210> 3190
 <211> 718
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(718)

<223> n = A,T,C or G

<400> 3190

agccagtgga	agcgatacca	agggtgcctgc	tgagcaacct	ggccgacaaa	ctggaaactg	60
ctgaantggg	tgactgctca	acaacaacaa	tctcacaatc	gatatcaacc	ccgcgatccc	120
agccaccgac	gaccattgcc	ttaaagctgc	gcgcattcat	tgcgactctt	ttattggcac	180
tgcgaaaact	tgtgtgcgca	tgtgtattgt	tacttgatga	cgccaccacc	agtcattacc	240
acttcaccat	ggggaccgac	tatataatac	ccacacccat	ggttcactac	gaatttaaaa	300
ccgaatactc	gatgaaantt	cacgggcatc	aaaccacacg	aactctccat	gataccatcc	360
tttcgatgat	cttacggcca	caaaccaaat	attcccttca	tgtctaatac	tatacatctt	420
tgacagccat	agcatagact	ccggcggtga	accattttcc	aagggcgggc	gcccgcacat	480
tctaccatat	caaatacaatc	tgtctttttt	tttttacttt	cttttggtta	ttctctttgt	540
atagggggcg	cataacgggtg	gccagcaggg	acggggttgg	ccttttgctc	cggggcggtt	600
ggatgtgttt	tcttttaaagg	ctttcatgag	cgagtatgag	gccaggcaaa	agagatgggt	660
cagatcagtg	gatgaataag	ataggataaa	tcaatgccac	aggcagtnct	ttctttnc	718

<210> 3191

<211> 198

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(198)

<223> n = A,T,C or G

<400> 3191

ataaaggaga	atcgtgaccg	gctgcttgat	atgggtgaagg	aacatattgg	caacgtcagg	60
cggggcgggc	tcgggggtatc	agaaacatta	accgctggaa	gcataagaga	caagattaat	120
aggtcagttt	atgctgctta	gactaaagtt	cttagactac	ttatttttat	ccccaagaaa	180
aaaaatanna	tataaaaa					198

<210> 3192

<211> 268

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(268)

<223> n = A,T,C or G

<400> 3192

ctctgcagtn	ctatcgagca	gctggaaggt	cctatggccc	agatgaccat	tggtggacaa	60
gagggccagg	aggatcatgca	caaggttgat	atcaagaatc	ccgatggtac	cgagtcgagc	120
atgtacctcc	agattgatac	catgtctggg	gaattcctnc	ccttcgggcc	tccccctctg	180
ccacaagccc	aggctgctgg	cgagccagag	agtgctgttg	cggaagcgga	agccgtggag	240
gacgttnccc	agcaccgtgt	ctacaagg				268

<210> 3193

<211> 242

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(242)

<223> n = A,T,C or G

<400> 3193

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(225)
<223> n = A,T,C or G

<400> 3197
nataatctng cgcaccatat gnatgctaca agaagacaaa agcacttaac gctcgcactt 60
gattgaaagg caatctcgcc gcgactgact ngttgattct tctgcgggat gtgcgataga 120
tatatnccat cgcacccgaa ttggacaaca ggcnccttagg ccgagnttca acatattatc 180
atacagcgta cagacacgct gcagatgctt ganaagntat gatcc 225

<210> 3198
<211> 188
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 3198
cctggtaacn cggcctntac tggtagcagc agtgggtgtgg ataangggcg tncnttgcca 60
nactcgtggc ggactcgtgg ccgaggtcag cgactangct gaaacaagtn cttantcaat 120
actctattan ncaactgcag catgtgtaca ataagataga agaataatta tcgctatata 180
cccttgaa 188

<210> 3199
<211> 159
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 3199
aacaanac atcttgggcc tttcgggttc aaaggcaata gaacttttgg tctccaaaaa 60
tccgccgaaa tggcgattcg gatgtcgagt atgagacatt gctcatcgga tatgaactca 120
agcttgcgct attccaggcc tccatcgatt acggcaaga 159

<210> 3200
<211> 262
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 3200
aaagacatag gaggtggaga agagctggga agattgagca aagaacgatc cttgaaggac 60
acggaaacgg atgccaacgt cgatttgtcc actaaagcat gggtcagggt gctctcagta 120
tgctctgtag cttggagcat catcgtctaa gagttcaggc atgtatgtaa atggcgtttt 180
tgggtgcgttg gagttggact gaactgcatt cggggcgctt ngagcgtcca ggaagtcgcc 240

gagaacgtta gcttatgaaa aa

262

<210> 3201

<211> 350

<212> DNA

<213> Fusarium venenatum

<400> 3201

catctcggtg	ctaagccctg	aatggcttag	atgcgccgt	ggatttggac	ttgcatctta	60
gatagttaat	tggcaatcac	ggtgaagcgt	cctttttcga	actgccagac	cgcttctctt	120
gggtcccgtt	ccccatcgac	cccgtcttgg	attgacaact	gttaagttga	ccatgagacg	180
gtaatagtct	agatagtctt	gactccccga	tctacagggg	agaagggcca	ttgaacaaca	240
atcaactcaa	atggaatacc	agggaccctt	ggaggaattc	taactgttat	atcggcattg	300
aatagggttag	ccgagacagt	tggtgaatgg	atatacggag	ttacggttta		350

<210> 3202

<211> 119

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(119)

<223> n = A,T,C or G

<400> 3202

naaatcgntg	tttataccan	ggtntttaca	agcntnccca	cttaggaccc	cgctgggtnt	60
aacntcccac	tagnccgaaa	ctggggcgnt	nctttttcat	tttttgcgtt	ttgggggat	119

<210> 3203

<211> 162

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(162)

<223> n = A,T,C or G

<400> 3203

ncacgngag	agggaaatng	tacatgaatg	gntccggctg	cttggtgntt	ttttaccaaa	60
nccngcgccc	ggntgaacgg	tttcccnaac	acttaaacct	tgtntcggan	acaagctatt	120
tggcaccaaa	ttaccatttn	gctggangtt	nggactntcc	gc		162

<210> 3204

<211> 232

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(232)

<223> n = A,T,C or G

<400> 3204

cattcctagg	atcgtgtcta	tcaacgctga	aatgctcgat	gtcgagattg	aagtacgacg	60
agctcgaaaa	cgtcgtgcca	aagcagagat	ggcagagaga	aagtcaggtc	aagccacaac	120
ggacactcag	ttacaaagtc	cagcacttga	ggcatcatga	tggtactgtt	atttctctna	180
gaaatggaaa	cagataaaat	tctcgaaaaa	tagaatcatt	ctagatgtcc	cc	232

<210> 3205
 <211> 482
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

```
<400> 3205
acctactctt ctctcctcat aatcatcaca cacctttcat ccatcaacat gaagttcagc      60
atcctcgcta ccttcgctgc tcttgtcagc agctctgctg ctgctaacca ggctgtgtgc      120
atcaacaact gtcccaccac gatctatgtt caatctttcc cttataatgg cgcggtcca      180
ggcgctctga ctgccctgaa gccaggacag aagttcgccg agaacatgcg tgcacccggc      240
tcgactgtca agattgctac tagtaggact ctactnaggc ctntnttttt nggatacttt      300
tnaacctcca agcccaactn tgtntactnt gagtttanen cttgaanggg ggaacccttt      360
tngccaaaaa gcaaaaanatt cttaaccctg gttninggtt gaaaaaaatt tnaactggcg      420
tgcnttgaan aggctggtgc ttanaaanc ccctntaaaa gnaaaaaant tttttggggg      480
cc                                                                                   482
```

<210> 3206
 <211> 275
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

```
<400> 3206
naaggntggg acacaagagg atgaatttgt tgaaatgaga aggaaacgtg attcaacgtt      60
ggcggcgcca aactgatcca tccttcgttg caggtgaata ttaggggnga cagttgcctg      120
ctcgggatac ttaaggatcg cgcattggtt aaccttcctt nggtcacccc gacatgggaa      180
aatgatcttt aattatcgaa gtcgttgctt tcgtgggtcca atggtancta gctatttatt      240
aaattactac tctttattct tcanaaaaaa ,aaaaa                                     275
```

<210> 3207
 <211> 565
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(565)
 <223> n = A,T,C or G

```
<400> 3207
aggngaaca gagnagtcaa cagtatcaga atcgngccgt agcttggcag tccactggcc      60
tgaccggcag gcttccttcc ttccttcctt tccattatcg cgggtgtttct gaacaaggta      120
cctcttatct caagtcgtga cttacaccgt gtacggacca cgcttgggtc atccttctcc      180
ttattagggg gcgttaacat gcatactctg gcccgatatt tgattagacg tgagcgcgac      240
cagtaaaagc cgatctatgg tcgcgatgct tcaccagtat ncgaaagccc ccaatgctgc      300
gatgaaccaa aggaggggca ctngcgagat caaccagac agcgnctctn atgcgtctga      360
cgtcttcatn acctcacgtc ctctgtgatat acatctgcga tgggtggagg aagccgtgac      420
ccgctgtagt naaaacccgg gggggggggg ntgattgatg ttaactnacc ttgccgacac      480
gcccataaag gngatccana naacgaanaa aataaagtoc ctancggaac aaaaaaccgg      540
ngattncccg gaaaanggac gaatt                                                                                   565
```

<210> 3208
 <211> 489
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

<400> 3208
 caaanccggct ggggntgctt gcaggntgt cggggnagtt gagcctgagg atgtttacga 60
 cgaccgtcca ccaacagctc gatccaactc caaccactct cagtacagct acccaagcaa 120
 cagttctcat ttaagcagtc acccaagctt nagcgaagag agcttccaag atccatacgc 180
 aaccatccgc tcacaaggct accgtcccgc tgcccccttg cgcgacacat ctcggttgaa 240
 tcaatggntc ctaccaatat ctccggatct gagaactggg agacctatga tgatgacaac 300
 agcgaagccg aagttgatgt gtccgatgnc tactatgcan gctaagagct actcgaagca 360
 aagcagttct tacctganc aanggcgggn ctatgagtag ncaatctaag cgtatacccg 420
 ggggggcacc gacggggttt attgctgnac cggatatgac gaccaggatg gaaaccgatn 480
 atttttgca 489

<210> 3209
 <211> 280
 <212> DNA
 <213> Fusarium venenatum

<400> 3209
 caagcatgtc agacacctct ttgtccatgc tgaggtcaca agtggtacaag tcagcgttga 60
 tggtatcttg gctgtagcag aggaatacca cgctacaatt atgggtatct caatgacatt 120
 cttgaagaag cacgggtccta ggcacctgct gcatcgcgaa cgggtttttgt tagaagtcct 180
 ggggacttat ctctgtggaac acaagaagag ggaggagggtg acagttgaga aataaattaa 240
 gaagcacggt aatcaaataa taccaattca tttacacaa 280

<210> 3210
 <211> 385
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 3210
 ggaatttttt tttttttttt tttatcgtga tgaatagtat tttgtattcc tttatcgga 60
 tcacaatgtg aagcgctact ttctgaaacc caatatcgct gtcgaaaacc aataattcaa 120
 cgtgatgctt ccatacctcac ctgccttgaa tgcaaaggcc gaggaaacgc cttacgctca 180
 aatgttaaag caagaatcat gtngtgtcga gagacagcgg cgatacctat cgtcagccca 240
 tgctgcattt caacaaacca aaccacaaaa tgcaaccatt tgcgcccctt ttgctacgtc 300
 tcaaagcacc acctcaggat gtctcngct ttcactctgac atatccatgt caatgctatc 360
 agattggccg actccttttt tcaga 385

<210> 3211
 <211> 356
 <212> DNA
 <213> Fusarium venenatum

<400> 3211
 aattatacat gttccagtga tgaaataaat ctccaataca ggaaaggata agactagagg 60
 aaggcatttt tacgacgggc gtttgggcat ctgtttttca ggaaagggat actggcagtg 120

cctttatcga	ttggacggcc	tggatcatgct	gtcaaaggag	tatatcggcg	tggataccca	180
acccaacctc	ctgcctgaga	tgggaacata	ttatattata	cagcgggggt	aattggaaac	240
tctggcattt	tctgctctat	catttaatcg	tcagtcatct	tgaatttcgg	ctagatcgaa	300
ttacttcaac	ttaaaccaga	aggaaagttg	agcccggact	ggcttctggt	tcattc	356

<210> 3212

<211> 747

<212> DNA

<213> Fusarium venenatum

<400> 3212

tttttttttt	tgtaactcat	taaagacaaa	actatcaagt	taatgcgtta	atctttgctg	60
gggtctcaat	attcatgaaa	attgcaagca	aaccaccaa	cacaaaagg	agaaaaagga	120
aataggaggt	cctgtctctg	aacatgtaga	aagaagaaca	atagcaagcg	tggatatgtaa	180
ttttcgccgt	aagcttaggg	tacaccagat	aaataattcg	acactttaca	cggatggatg	240
ttcgtcccaa	gtattctcca	cctcatctta	aataacatct	cccggctcac	caggaatttc	300
caccgtgcac	cctgtataat	aatacccgaa	agcaatagat	agcgaactgt	aaaaacaaca	360
aaatgatag	agagaaagag	acgtgtgaga	ccgtggggag	ttccgaagaa	aaagccaagt	420
cgtagtatgt	gggtgtgcgt	gtcaaaccag	cttcagtcaa	acaccacatc	cagcgtcggg	480
aacataaacc	aaaacaaata	gtgctctttt	cccctgaaac	caccacatag	gagggaaatt	540
gcctcctgga	ccagatcgcc	aattgaccat	gatatagttt	ccactcagaa	cgcccgtgac	600
aaatgatgcc	tgattaagtc	ttgaccccaa	gctcgtgtgt	aatgccaacc	cagcctttca	660
gaagactgct	agtctgctcc	aatctcatca	ccatttggga	aagcttccgt	aaagttaaag	720
gccgaggtgt	caccatcctg	gtcgtgc				747

<210> 3213

<211> 241

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 3213

aggttgggtg	gggatgacaa	ccctgctcgt	cacataggtg	catccatctg	atccgcctgg	60
gctattgggt	tgtccgaggg	ccgctcccct	tttgtctgga	ggtactcatg	ttgtagttac	120
acttgaggtg	agcgtggcaa	aaggtggaag	ttcggataga	atagataaga	ttgttctgtt	180
acgaatacag	gcgacttctc	gattccatac	ttctaaaaan	aaaacttaaa	aanttncata	240
a						241

<210> 3214

<211> 249

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(249)

<223> n = A,T,C or G

<400> 3214

gacgaaatna	tcattcaact	tctncagatg	agataactcc	gaggaatcta	cagacaggtc	60
cactgaatnt	ttctagaaaa	ctgccacatt	cgcttctatt	aatgacgatc	gcatctttcc	120
ataaacacag	ccactgagaa	ggattcgaaa	gtttccactg	atagtctcgc	ccaaggcatt	180
ctacttttag	ggatggccgt	catatggtaa	agcgatgtcg	gcatcaaagc	aaaaaagggtg	240
taggtagt						249

<210> 3215

<211> 167
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(167)
 <223> n = A,T,C or G

<400> 3215
 nactgataaa cactaatgan tgctgtcgta ttgcatttgt agcattcact atctgcagcc 60
 ttactatttc ngtgggcgana ccactgnntt aaanggcnc a tttgagctac atanttgggn 120
 acaatnaatg ctgtgantta tnaatgaatt ggaaancttt tccaaaa 167

<210> 3216
 <211> 484
 <212> DNA
 <213> Fusarium venenatum

<400> 3216
 tgcgcggctc cgatcccgag ggcaaaaatg gtccacagat agacactcca tgaacaataa 60
 tgataccacc caaacgagcc aataggagga gcaggctgtt caacagcccg tcagaatata 120
 gtatctacgt gtgcgtccaag ccacagatcc agagcagggtc aggtgtttca ggacgcccga 180
 gcttcttcag gacgaggggtg gtcaggaggt ccaggctctc gagtcaatag gatgtcgtca 240
 aaatcaccag gctgggaaaa gccacaaaa ccttacgaag gaagatggga gaccctggg 300
 atgagggacg gaggtctact caggcgtcaa ttgttcattt gcatctgcta agggcacgga 360
 aggtttcatt cttgcttgta atggtaggca aagcataaaa gagaaaaatg agacccaaag 420
 attaccacca cacgtcatat ggccgggtct tctgtctacc aaaaaaaaaa aaaaaaaatt 480
 cctg 484

<210> 3217
 <211> 65
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(65)
 <223> n = A,T,C or G

<400> 3217
 ctcacctnaa ctgnaataaa caaaacgcna tggcccagtc catcattcgc atatacaagg 60
 aactt 65

<210> 3218
 <211> 302
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(302)
 <223> n = A,T,C or G

<400> 3218
 gaaggttctg cgccngatg ganagcgcag ngggtgacgt gatgcggagg gtcctttacg 60
 tcatgttcgt ggntccaaac agcttaccaa cgtacgattt gcgagcgaat tttttnnagt 120
 ctggaaaagg agagccatac ntgaagttag cagnttgcat aagcttgaat atccaacgtn 180
 taacgcacata ntngaagggt atttcgagat gagagttatc gggagttaaa gaagccntgt 240
 tncatagtaa ttaataactg tgcattccaaa anaaanaaaa aaanattctg nggcgctcga 300

302

```
<220>  
<221> misc_feature,  
<222> (1)...(116)  
<223> n = A,T,C or G
```

```
<210> 3220
<211> 260
<212> DNA
<213> Fusarium venenatum
```

<400>	3220						
cgacatgaat	cacaacggga	tgacctctaa	cgccatgtcc	tattaaggcc	acatagaatg		60
agttgaaagg	atttactgct	ggatgcagtt	gaggctacta	tgttgtgtt	attagaccag		120
ccaactctta	ttcgttgggc	tgacgcagcg	ttgagatgaa	gcaggatggc	ggactgaatt		180
tagccacctt	ctctcncgt	agtattgnag	gctgtttgat	accaaagaca	gaaaaaagtt		240
cccatttgtc	ataaaaaaaa						260

```
<210> 3221
<211> 211
<212> DNA
<213> Fusarium venenatum
```

```
<220>  
<221> misc_feature  
<222> (1)...(211)  
<223> n = A,T,C or G
```

<400>	3221							
caacatattg	atttgtttga	tggatccttg	agtttgcttt	gttgtaatac	ccaagctctg			60
gtctgtcgac	actacggtta	tttccccagg	ctacttacta	cctactacga	aaccgcttaa			120
ttcaaacaaa	acaaaacaaa	acaaaacaaa	acaattctnaa	ccactccacg	atcgagacga			180
ttncgattaa	ccccqcgaac	qagcqattag	q					211

```
<210> 3222
<211> 324
<212> DNA
<213> Fusarium venenatum
```

```
<220>  
<221> misc_feature  
<222> (1)...(324)  
<223> n = A,T,C or G
```

<400> 3222

```
caaaagggtac acgataagtg taagtcccag tgaatgaatg aatgatgaac atgaactagg      60
taaatctagc gtgaatgcaa accaacgggg aggggttacc ctatgagggt tacgtattcc      120
gagggtgtgga ggggggtgttt gggaatggga ttcgaggagt gaaagtgagg agtaaggagt      180
gaanaacagg tatgtaagaa naaagctgat gtactgtatg cacttgccact catacgaata      240
gatcatatga ttcatatgta tgtaagtnta tgatttgatg gcctgcgttg ctcttgggct      300
gggtctgggc ttactgactt acat                                           324
```

```
<210> 3223
<211> 154
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(154)
<223> n = A,T,C or G
```

```
<400> 3223
ntgcctttnt gnttacagng nacattactt ggganaatcc ttgcnttacc ccaanttttag      60
ggacattgcc gnaggntccc ccttttggnt gnttgacnga atanccatt tgtccgcaac      120
cnggcngttt ttcngnaagg tggatgaaccn tatic                                           154
```

```
<210> 3224
<211> 349
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G
```

```
<400> 3224
cgaggccaag tgcgaacagc aagaagatca aacaatgggtg ccaatcggag actgagtttg      60
acgtttatct ganccaactg ggcttcatgc ctgtaatgga cccaaacatc aacaccgccg      120
gcngtgantc taatgctgca ttttcggata actcgnaggt ggcgcaaagt gcgactgga      180
tgtttggaag ccgcancctg ctgggattgt tggaacagga tatatctnaa ataggcngtc      240
cccagtggcc accaatgggtg aanggtgaag ggcattgggc aatagataga agatgtatna      300
ttgnaaccgt ttaaaaaaan aaaaaanaa atttcntgct gccgctcga                                           349
```

```
<210> 3225
<211> 177
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A,T,C or G
```

```
<400> 3225
naacttaaat cgccttggaa ggn cattccc cttttcggca agtggcgtaa taancnaaaa      60
agccccggcc ggatcgnctt ttccaacaag gggcgcanct tntacgtncg gcggtttaan      120
gggttacncc ttnttanagg agaaaccgct tttcntntgg ttgggggtgt tcaaaaag      177
```

```
<210> 3226
<211> 238
<212> DNA
<213> Fusarium venenatum
```


<210> 3234
 <211> 121
 <212> DNA
 <213> Fusarium venenatum

 <220>
 <221> misc_feature
 <222> (1)...(121)
 <223> n = A,T,C or G

 <400> 3234
 natcgggaac tccttangag aaaagcgtcc ccctttaagc natgnttcaa aaaaagntaa 60
 agaccnattt ctaaccnacc tttgcnagna ttttnccgag tacnccccac cgntaatttg 120
 a 121

 <210> 3235
 <211> 223
 <212> DNA
 <213> Fusarium venenatum

 <220>
 <221> misc_feature
 <222> (1)...(223)
 <223> n = A,T,C or G

 <400> 3235
 nggattaaaa acttttatnt tgggcccctc caacnttcat ttaaaagatt ccttgccggcc 60
 gttaagcaat ccttttataaa gggcccagtc cgcctattaa gaagtcnant accaggaaaa 120
 cgcccgcgct ttnacaacnt aatggacttg gnaaaaactg gccnttnccc acttaatgga 180
 attgnaaaaa agtccccntt tgacagcttg tctaaaaagt gaa 223

 <210> 3236
 <211> 166
 <212> DNA
 <213> Fusarium venenatum

 <220>
 <221> misc_feature
 <222> (1)...(166)
 <223> n = A,T,C or G

 <400> 3236
 ngaacaccgc cncnttaatg atgacacttn naccctagag ngcacacggc aaccgctgtt 60
 nctctttaa ttnacgatct gccctncctc aatcctcatg gttggggacg angatttacc 120
 atgaccagnt ggtattgtgn tgaaancgga agaccctnta aacttc 166

 <210> 3237
 <211> 170
 <212> DNA
 <213> Fusarium venenatum

 <220>
 <221> misc_feature
 <222> (1)...(170)
 <223> n = A,T,C or G

 <400> 3237
 ncgcgaccgg atatcageta ntgctatatn ctctngcaac gagggcatag nggncgggtta 60
 taccgngnt attccnacc tggcttcttg atgctcgctg gctagctttt cagaaaaccc 120

cncacnccct nttttaanca agangaaccc gat

153

<210> 3242

<211> 178

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 3242

ggtatcttga	agaatcgct	cgaggttcgc	tacattaaac	ggtgcaccc	gacgcaattg	60
ctttgaaacg	gcgcattatt	gaagatttgc	ttgggtatat	aaaaanggcc	cttgcgcctg	120
ctggcattgg	gnngctattt	ccttccaccc	ancaatngcg	acagcgcgcc	ggtttaa	178

<210> 3243

<211> 374

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(374)

<223> n = A,T,C or G

<400> 3243

tgatgagttg	cgcgctcaaag	ccacaactaa	tgtatgggca	ggtggagaca	tcgtatccaa	60
gcctcgtgcc	tctttcttga	ttacggaggc	acaggccgct	ggtgtttaca	aaaacatcga	120
tcttgtactc	aagagtaagg	aagcccagcc	tgtgagtggc	cctcgngtgg	atgcttttct	180
gtgcgcaacc	ggtcgaagtc	gcggagctgg	aaggttaggc	aaagtccng	tgccatcgct	240
agctgtgtgg	acggtcaagg	gtcgaacggt	gggtattgag	cgcacaaaaa	agtaccgcca	300
ctgggagtat	gtggtgataa	gaagtactag	gtangtggtg	taacgcctga	tatcctattc	360
aagaaagcgc	caaa					374

<210> 3244

<211> 154

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(154)

<223> n = A,T,C or G

<400> 3244

caaataagtc	acctatggaa	atgacaccga	acgaacatgc	cctatggaac	gcgcacatgc	60
aaacgcccgt	cctcttcaac	caccacaagc	ctctcaaagt	ngatccccct	tgattnaaca	120
tatcgatctg	naccccaata	cctttaacc	ccaa			154

<210> 3245

<211> 232

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(232)

<223> n = A,T,C or G

<400> 3245
atgatatgca aaaaagcatt gctntgaggg tttcgaaaat ggtgaagtgt gtatctcgan 60
catgaagtgc tcgttggtgn gatctgcact tgcggatgat acgcgtactt ttagtgactt 120
catgccacac atcaagttcg gtggccatcg gtnctctctt gagcgagcct tttntttant 180
aggctntttg tccttnataa tcttgtnntg accgcgttaa cggctattta at 232

<210> 3246
<211> 225
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(225)
<223> n = A,T,C or G

<400> 3246
ctcatcttct gttgcttcag aagatagaag aagcatgaaa ccttggcgtt ggctgtttgt 60
tggaggtatt ggcgcggagc anagagttgg tttcttgatt gagctgctgg agctaggaag 120
aactcggggt tagacttggt atggcatgtt attatttcca gcgggttcagg atatggatta 180
tgatattcaa taagcgggta ccgtaaatga gaactgcaat cacat 225

<210> 3247
<211> 191
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

<400> 3247
aaaaggtggt tggccaggcg aactgttttt gtgcctgggg ggcgttttga gcatccggat 60
cgatcctagg agatgaacgt ctttggtggt attgggtttg cgcttttttg ttaagtagct 120
acaggcaaca agaagttact tggtttaaat ggacgatagt tgaactatga aatacgataa 180
gtacacacta n 191

<210> 3248
<211> 148
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(148)
<223> n = A,T,C or G

<400> 3248
nttggcggac aanaaggacg ngtcgacagc atggntnttg acctngaagt ttgggatcan 60
atntgtagga ctaatttata anaagattag tccnatctgt tanacaaaaa aaaaanaaat 120
naaaanaaaa anaattanaa aaaaaaaa 148

<210> 3249
<211> 123
<212> DNA
<213> Fusarium venenatum

<220>

```

<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 3249
nttttttnaa ncccgancct tccgncggaa naanaccgaa ntnatccagg ggggggggtaa      60
aaggnggat tttaccant tacctcnaa ttattcccgn ggtatnggcc gnaaaatgaa      120
aaa                                           123

<210> 3250
<211> 154
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(154)
<223> n = A,T,C or G

<400> 3250
agctcgacag acagtagcat gtcgcatcg gtgttctctc gacatagtat tgagacaatt      60
tcaacgcctt tacaaagtag tncagctttg gaccgcagtc ccctttctat ggactcaaaa      120
aangggccta cntngggcca atggcccaa aaga                                           154

<210> 3251
<211> 310
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 3251
naaaaaaaaa aaatnggcgc canntttttg gacnaaaagg gggggcccaa aatanaattt      60
tttccccaac acgattnttt caacncttag ggattnaagc agngtaaaa agggttttcn      120
ttttccttct cccggccaag aagcnccgc ccacaanggg gcgttctgca acagganaaa      180
aaccgccgana cgcanttgnc cgcgcgtatt atttntggga ntaaaccaan cttgaccagt      240
antgccnccg gnggtataac cangccggcc tttaaacaac ggccttttac attggcccgg      300
anccccang                                           310

<210> 3252
<211> 187
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(187)
<223> n = A,T,C or G

<400> 3252
tctacaaaagt ccttcaccac cggatagtg tgacacagga agatgccgaa ggtgcggccg      60
aatgtctcaa agcgtcactc aaatggncca tcgcctatcg ccacctgnac caacaagcga      120
attatccaan gacttttttt ggncccaaaa cctttttggg aggtctnggg gctggggnaa      180
ttttttg                                           187

<210> 3253
<211> 465

```

<212> DNA
<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(465)

<223> n = A,T,C or G

<400> 3253

tttttttttt	ttttgccata	gataatgcct	gaataataat	aactgcttat	tgaacgactg	60
ttatgagtat	ccagatctac	ttctcctcca	tatcagttgt	ggtgccaatc	tcacgagttg	120
catcaagatc	gtgatgaaga	aatttaagtt	tgttaccgag	acgtgtgaag	cagtcttcgc	180
ccagtggtaa	tctcaagatc	ttgcccttaa	gatggcctgc	ctttccttcc	cccgtagcaa	240
cttcgtagat	gatatccact	cccttggttg	gatcgccgcg	ctgtttcnct	gaagcgttcg	300
caaacttggg	aagtgtttcc	gatagcaagg	taccctcata	tgcctttcac	tgatcgttgt	360
nttaacgcta	gcgcnaggaa	gtaagtgcga	aatgctcaag	ctcgcattag	aacattggta	420
ccgactcttg	acttttngat	agatttaagt	taaccctcaa	ggcga		465

<210> 3254

<211> 368

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(368)

<223> n = A,T,C or G

<400> 3254

agccaaaggg	atgacttagg	ggaaagacat	tatttgggca	cgcactgcac	agcaggaaac	60
aagactatga	actgatagca	tgaaggggtg	ggaggggcct	cttggggcag	aagcaaattc	120
aacactggcg	gttacgatgc	gtaccaaacg	aagggaacac	aagtgcacca	tgtgtttctc	180
gagggctgtg	gttctggcac	gaggccatca	ctacctacct	agtcaactcg	ctgaagccat	240
gtgttaacca	gaggggcagc	ttctggtcgg	naaaggggaa	gagagaaaag	tcgagggaga	300
aatcagagat	gacaagaatt	aaaacccttt	ggacttgaag	ttagcttcaa	ttcaactcaa	360
atttagag						368

<210> 3255

<211> 124

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(124)

<223> n = A,T,C or G

<400> 3255

nntatgagca	ttgcaacgng	agaccagggg	ggcntgggg	gcctcgtcac	gantctaaag	60
anantaagga	cacttgggna	acttttgtat	tcagtaattt	naangcctct	gangacntaa	120
aggg						124

<210> 3256

<211> 337

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(337)

<223> n = A,T,C or G

<400> 3256
gccaaactttg tgggtcgaca gacagcctgg agtcctggcg gcgagtgggtg tgttgtgggtg 60
ggcagttcaa atcaagcgct gattctccag cgatgggcta gcaagggtc aacttctaga 120
gcatctgctt ccgcttcgcg ttccgtttct gcgtccgtgc ctcttctgc accgacacaa 180
agcactgccg tttagagctg tgctcaaggc taaagccctc ttattggaag gctagaatat 240
agtgatagtg aagtatctcc ttcagaatca tcagagggat tcaaaaactct taatgcagca 300
ttgtcaagtt cgcctncaaa aaaaaaatt nattatt 337

<210> 3257

<211> 155

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(155)

<223> n = A,T,C or G

<400> 3257
cagaggtctc cttatcatca tcccccttcc aacgctttgt tgactttgct tttgntgggtg 60
gtgaatcacg tcacaatatt ctcatctatc cttcngnaaa ctttccaagg aactgatatt 120
ggcnaagnac ctgggccatg gcttttgntt ttcta 155

<210> 3258

<211> 605

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(605)

<223> n = A,T,C or G

<400> 3258
cacgcgcctg ggagtgccgt atcatacctc acactctttg caatgcccac cgccaaaaga 60
aacgacgtc cttcaaata tgatacccca tagacactcc tttttgacga ctttacgacg 120
attcgattgg ttatagaatt gactccttgc ggacccccct ttaccatttg tgggaaaacc 180
gtacctggag agcatagcga ctgttttatt tatttttact gcgcccggga aaaagtttgg 240
cgttttaccg agtttgagtt agcatttgtt tagcgctttc gaccttgta tgtttgcttc 300
tttttggaat gatcatgctt atcgcttcca gctcttcaca gagcttggga tggcgatgga 360
acaacacggg acggaagcac gattgggttt tgggatatat tatctggctc tatgagagag 420
actgtaggcg gatatatgtt ttggattggc atgacacata tgaaggatat catgtgaaga 480
tagacgctat atttgttgct tatcacggct gtattttcatg attttaggt agagaagatt 540
gatgttttga cggcagttgc atatactgcc tggaggttaa ttcttaactc acgctgntgc 600
atttt 605

<210> 3259

<211> 417

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(417)

<223> n = A,T,C or G

<400> 3259
gtacgcaccc attoctacac caacatggcc cgaagataag gcgcatgttc ccacttccat 60

cgagt	gagag	caactatggc	tttgtttttg	agggaaatgta	tagcaacgct	gttgacacaac	120
cacattcacg	aaatgattca	cctgcgtttt	acgaatctcc	ttgatatacac	aggatataacc		180
tatacgtcctt	ttcccccttat	aattttctgtc	tgatcgctcga	cagttttctt	tcgcagcatg		240
ataccaggtc	ccgacggcca	cggaaagcgg	atgacttctc	cattcggttc	cgtggacttt		300
atctttcctt	ttctttcctt	tttctctcct	tttctttctc	ggagttgtag	gcatntgtca		360
aaagnatgac	tctatcatca	taaccgcgtg	cttttcgctc	tatttttfaat	aggggca		417

<210> 3260
 <211> 476
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = A,T,C or G

gtagcttgg	tgggtcaggga	attctgccat	ccagcatcat	tcgcatggcg	ccccgctttc	60
tggtactact	ggggccaatc	tccggtggta	ctgccctgta	cttacagtgt	tgtccatgtc	120
tatgcgacct	gtctgtgtct	accctgtcgc	ctcctagtat	acagggctgc	agaacacaat	180
agagtggcgt	ttccaaggag	tgtcttcgtc	ttccttccat	tccttctcga	ccaagccttg	240
actcatgtag	ataaatctac	gtcgcacgt	ctcaaaactct	tgatgacgat	gcgggtcatg	300
ccggtctttt	ggactgtttc	caacaattgc	cctgtgttcg	tcggtaactt	tgttcttgac	360
tcgttaccn	ttgngagcgg	aggctaattg	ctttactctt	cgtttnatat	ntttnccaac	420
tttggcatga	cttttttttn	tggntaactt	tttttaaaaa	aanaancggt	ttgggt	476

<210> 3261
 <211> 179
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(179)
 <223> n = A,T,C or G

caacttcggc	gtgcccgttt	cggcagtcac	gagaacctna	gttgtgtcta	tgccctgttca	60
cggactcact	ttgggtgaag	tccagcgtct	tcttcgccga	cgatcganat	caaggcttnc	120
ccttagtcga	agataagcac	accaaggntn	ttatcggtca	catnggctgt	ataagagtt	179

<210> 3262
 <211> 274
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

nggggggant	caanaaactt	ggggnaaaat	ccccccaaaa	tngngnggaa	tttcgggnana	60
ttttttngtc	ctgcnaaaga	ngggctccaa	naccgaagat	ncctngccac	aaatccgggn	120
gggggggattt	ttatgntcag	ggcccnccnt	gcaggaaatcc	gaatttcacc	ttttttgcat	180
nggccagacc	ggtccttttg	ggggnctntt	accancagtt	tangnggggt	tttttatcc	240
aacctgcccc	aggnggggta	aaacatgctg	gccn			274

<210> 3263

<211> 211
 <212> DNA
 <213> Fusarium venenatum

<400> 3263
 aaaaaacgcg ccgatgaacg acaaggacac tggcatcaac cgcttaaaca gcaaatctct 60
 cggagtctag aggggcatga gaaatgcac gcctctactc caaacccgatg agggcgctaa 120
 ggaggggtta cgtgaaaagc cttgtgtatt atgtacgagg ctatgaaaaa taaacaaaac 180
 ccctttgagg gccccatctg aatgatgtgc t 211

<210> 3264
 <211> 402
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

<400> 3264
 agcgcgatga aaagactggg gacatttttc agaacaaaat cgagaaagac gcggcgggacg 60
 cacacgaggc tggaaaacgcg atagttgctc agggccagcga tgccatggct aagtggctcg 120
 aaaaaatatga ggatgacact cagagatgga caaaccaaac tggcctcgaa ggttgngtg 180
 atgcgacaaa agccaacaag gaaaaggcg cggtttgaaa ctggttagtg acgattggag 240
 aacaaaacat ggggatgggg gttaaggcgc ctggtgtatc ctattcgaga tcaagaagg 300
 gaagccagg taaatgccgn gtgctaagtg caaggattag gagtaattgg ttttctcttt 360
 attaataatc ttttttttt ttgnggaaca atattttnt ta 402

<210> 3265
 <211> 203
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(203)
 <223> n = A,T,C or G

<400> 3265
 ncncggaca aacggacaac cggaaacggg aattttaatc ttaancaatt atcagggggg 60
 cccactaccg cgggntttct ggtnaanggt ttttgggacg acaanggntg gggaaatgga 120
 aagcttgggt ggcaataaca ttttaaggnt tgggnaagaa tcttcaattc ggttacaaga 180
 aaccttcaac aaacaggaaa aat 203

<210> 3266
 <211> 184
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(184)
 <223> n = A,T,C or G

<400> 3266
 ncttttatta nnaaacgggg ccnggantgg gaaacggcgg gcttctnaag ggnaaaaanc 60
 ccggaatttg gccgggccga cgtaaaaaan ggatttnggg ttaaaaaaaa ctttttgnt 120
 aaaaaaaaa atcaaggcgt gntcccnat tgcaattttt ttttcnaaaa gtcnggggtc 180
 ccaa 184

<210> 3267
 <211> 461
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 3267
 ntcaaacaat tgggnaacgg gtaaaaaaac ggaacaaagg cttgatttca aataacaaag 60
 cccaaataat ggggggaggt nttnaattcc ttnaaacttt tcctnttcaa ggccctcttt 120
 tnggggtggg ggntttaact ttcnttcggc tttgggagcg nggtcttttt ctaaccctca 180
 agnccttggg ttcaactggg cggtcgggcg ctccacaacc cggaaccact tgnrngattt 240
 ccccttgaat caacgtntct gggttcgctg natactttta gctcaaatgn aggctttcta 300
 ctacttcacc aagagaaacg tgcccaggat ggccggcagan acaanggggc ttngaatacta 360
 ctggacagnt taaacgacat tacatttggg cttncatgnc ctggtcctct ccaacatcac 420
 aacctcacag gaatttttan ctgntttgng gggggttggt t 461

<210> 3268
 <211> 577
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 3268
 atcgaataca caagggttcc catctggcca attctaggtc tacgggaacg acttggttaag 60
 gctttgggtc aagagattgt tggttctttc aaccagatg agatagagac ttgggaaaag 120
 gatcccgaga gacctggcgg tgaaaagcgc aagcgggagg cctgtgtcaa cagcagcttt 180
 gaagaagaga caacggagga aatgacccca ccaaagaagc gatgtctgaa agaaggcaag 240
 ccggtgggca tgggtgatgt agagatgatt acaagcgacg catgatatga atcggtatta 300
 gatcccattt ttggtgtttg ggagcaacag gacacgcata cactatgata cattggctcg 360
 gcggcctatg gaatttcacg aagactccat ctngctccga ggcatacatg gtagctggca 420
 acggcgcaaa aggggtactgg gtaatgggcg aancattggg cttncctttg atgacgggnt 480
 ttatttgggg gttgtgaagan agcngtagt tatnatatgg tgggatttgg nctggaaggg 540
 aatggttgaa acttgacaaa tgccaaaata tnccttgg 577

<210> 3269
 <211> 335
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(335)
 <223> n = A,T,C or G

<400> 3269
 atttgacaga aaatgacaag cgcagtctgc gtgctcttct tactcagatg gacgccatgg 60
 gaagccatat tcgacagctc cttggggaac ctaatggcgt ttccgctacc atgctaaatg 120
 aggacgcat accaagcatc ctctcccctc aggactccgc cattgctgag ccactcgaca 180
 aggctacggc acttccagtt actgaacctc ctctccctnc acctttgacc acgccgaagc 240
 tccatggacc ttgactgaac aacaggcatc antttggaga ccaactntgc gctccgnaag 300
 anaaaatngg ggnttttaaaa attctgcca atggg 335

<210> 3270
 <211> 133
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(133)
 <223> n = A,T,C or G

<400> 3270
 naactggnta naagagactg gaaccatagn tttcctgntg tacgacattc caataaaaacn 60
 atnaacggaa tgctaggctt ctncaagggt cattgggaac atgcagagga tgcccacngg 120
 gataagcgaa acc 133

<210> 3271
 <211> 269
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(269)
 <223> n = A,T,C or G

<400> 3271
 ntaatgaana taacctnaca anagtgcac ttacgatgcc aattgaaaaa aacgtcttng 60
 aaactgcaca tgggtgcttga taaggcacca gccttggata ttaaccagta gtcaatctaa 120
 tatccttcat ggggtgggtgg gtgantgatt gcccatgtcc gagcgctcta tgacaaaantg 180
 gtgggctttt ttgaccangt ctgtgtgatt tcatgggatc atagtggata tgcattgggtg 240
 atttggttat tgnagtctat tctgnatta 269

<210> 3272
 <211> 402
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

<400> 3272
 tgctgagcag aaaacgagcg agcgggtacat ctctgaagt ccagtggagg gagatttgga 60
 acattgtttt cccagatgat gatgacgggtg aagtccgacc ttatgaatac actcctgtta 120
 tcgaacactt tgaagtagca gccaaactacc agatgggncct tgatcaactt caaacttttc 180
 cttgtngaca agatcttcca ccttgccacg ctcgaaaccc tngtttacga aattttacca 240
 atgcttnggt ngaactctgg atcaattgca tangccaacg cgcaaagcat gccctaccaa 300
 acccgaagta acaaaaagaa cgaaatcntt agatccaagc tncacaaaaa cgtattgcag 360
 cgaaagagca gaaanatatg cccagaacct gatntggggg ga 402

<210> 3273
 <211> 195
 <212> DNA
 <213> Fusarium venenatum

<400> 3273
 tccaacagaa gatgacagac aagttcgctg ctgtcatgga cgagtaagac ctgagcaagc 60
 tgctgggttat ttctgtcttg aagctataga tgagtcatgt tgtgggatag gccgggaacat 120

ggctgggtatt ccattactgt ttgcgccgcc ccgtagtcta gtgtatgcat ccaatatcaa 180
 tttgttcgaa attcg 195

<210> 3274
 <211> 588
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 3274
 ttacgcgaca accggtgctg ggcaggatga ccagagcagt tccaagctgc gaggtctgaa 60
 gctcaccgat tttcccagtg ctgtagaacg ccctagcttg ccagttactc cggccccggt 120
 ccaccgaaat tccttctttg cagatgacga cgccgaaaat gaagacgaaa caacgaaaaa 180
 gcttcctgaa gccgaaggcg ttccgacgca gtccgactgg gatccgatcg aacaactcca 240
 gaaattggcc aagcagcaat cggatgtatt gcttaagaga ttgggtagt atcaagaagt 300
 aggaggagtg tgttaagccc acagccgatg aaaggcgaaa gatcagcagg cattttgctc 360
 gatatgagca gtggccgtct cgaccccgag tcaactttaa cctcgcaacc gtcaacgata 420
 cccaaccca gttactccgg accggcgccg catggganaa aggcgaanat acccgcgata 480
 cgaaacgccc ttaccgccta aggaagatga attggatgcc ttaacgccta ggaaacaacc 540
 ggacttcctc acaactctcc caatggtcaa aggtgtcgga tctttatc 588

<210> 3275
 <211> 966
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(966)
 <223> n = A,T,C or G

<400> 3275
 cgcttgcaac ataccctgag agctatccca gtttgacatc acaaacagct cagccagtgt 60
 acgggggcaac aagctatggc gaactgcacc cagagcatga aaggctgtgg cgctttgtcg 120
 cccaggatcat atctgatgac cactggatgg atgctcgtgt tgtgtttaga gggtgtattg 180
 ggcagcctcg tgaacattgt gaaganggtc gtggggaaga atcagggtgt gtggcgcata 240
 ccaatgacag acgccggcca ggcacatgt tctctcgaag cagccctttc agctccatgt 300
 ttgcttcaat gctcccgttg atgatggcgc cattggacgt gcagctgcga tgatgctcga 360
 agcgtgtcac cctgtgtcgt ctagcttccg gcgatatctg cgaaaggatc aacgggtcgg 420
 gcccttttcc ttcggggatt atcgcaactc tttgactcac tctttttcta gcgtgtgggc 480
 aagaatggtc atgcggacag aatacgggga ctctacagta tcatttcacc acccctcccc 540
 atggtcaatt ggagctagct gtctagggcc caaccatgac ttggcgggta gatccgtcga 600
 gcgcaaagca gggatcacct gtcggcctat ccaatcacgc gacaccacca ccaacagcca 660
 tacgccacct acactacact atctcgagct tgtgcacgac gtttctaggc gtcctttctac 720
 tgcagcttct ttgatgcttg agcttttctg gtattgntgg ttacccatga cactttttgt 780
 caccaagatg ctactcccgg tcacgtacgg tatggtatag acttgcacct attttctatg 840
 ncttctctta tctctacngn catgcgtttg ntactgggtc tacaacgaat agaagacttt 900
 tgggtttttt ttttttttgg tcaatgttta cagggataga atggggattg accttgacat 960
 ggggttn 966

<210> 3276
 <211> 228
 <212> DNA
 <213> Fusarium venenatum

<220>

ncanggggaa ggggaaggaa tgggcataca antctgacga caaanttgaac acggccggca	60
ntttgtttna aaaagggggg ttctttgtaa aaaaangggg acangggcntg tgtaggcgtc	120
aaggcagaan ttttgtgatc cggccatcca at	152

<210> 3280
 <211> 175
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(175)
 <223> n = A,T,C or G

<400> 3280	
ngcggaaccc anatncttct taaaanggtt ctcnngctcgn ttncagggga ngaagagccc	60
cncgataacn atggaacann gcgggcgcgagg agcaaaaatt gacnattntt gaggctngaa	120
aaatngntgg attgaanaaa naattgagtt naacaaantg gaattcnatc gggaa	175

<210> 3281
 <211> 464
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

<400> 3281	
cccaaaaaccc atagtggatc tatttcgctt catgtcgaga agacgagacg tctgagtagc	60
gtcgcgtctg cgttggcggc attggaacct ttcccgaatc tagacgaccc gtttgacgaa	120
gatccaactg gcaggcaggc tcgtcttata attacttttag tgatattgag acagcggatg	180
agtnccatcg aattgcgacc aggttgggcca acaacgacaa acgccagtcg ctacgtggga	240
cctctccctc tacacgggtc cgcagttcac tcagtcggcg gctgaatgtg tcagcgcggg	300
cactgtttac acnaanaaaag gattctgggtc tgtctgctag ctctagtcga cgtccctgac	360
cgccaccaac catcctacaa aggggcctac tcgccttcca ttctccctc aactgacgat	420
gcaagcatgg tatctccgct tcgcagcatg tttgaaattg aaga	464

<210> 3282
 <211> 394
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 3282	
cgagtaatga gcgctgagcg ccgattcaat cccgcggcaa agacgagctg tacgaatatt	60
cgatgggttg gatcttcgag acatgactat gatcgtatgg atataggacg aaacggcctg	120
tgaaatgggt gatcgatttg tacagtgtga aggatttcga cagacgaaat cggcagcact	180
tctctgttta ttactttgat gttgtttgta ctactttgga ggggtttatt tcttcttcat	240
ctctcttttc tttttattta tttattacgt tatggacgga cctcatcatc ttgaggccga	300
aagtaaatgc attgnattgg aaggagtcng gggtcattac nggtggccag cgctgaaata	360
cgattgtaca tanaaaaaag cctgggcnng caat	394

<210> 3283
 <211> 238

<212> DNA
<213> Fusarium venenatum

<400> 3283
ggcttggttcg tgggtctgtg gcatgtcagg ggtagggttct tggcaaagag ccgccccggg 60
gcctctcccc acgttggtc acacaagatg gtgatgggtg ggattcccat atgtggaatt 120
ggggaaaatg accgagtcgt ctgctgctac tgtatgatag aaaagccgtc gacgacgttg 180
aagacacgca catgctcaat caaatccaag gacaaataat aaagccaatt ttttttat 238

<210> 3284
<211> 364
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 3284
aactactcga gtctcttggc cacggtcgag gcggtgcacc acctcgcgtc taaggaaaga 60
aatggatacc tagtctttta agatgtcgtt gtttttagca agctacatgc atatctggtt 120
tgataccttt ggcgtttttg aaagggtgtac gggactggtt tcggaccata gagggtccct 180
tgctattttc ggaaaggggg atcacacact gatatccctg tttgagcatt tggactttgc 240
cttttttaggc cgaggacgta ttgntcaagt ggcttcagct tggacactat taccgccact 300
tcggctngga ccctgcagan ggcattcccc aucttncgaa acccggtgtt ccccaaaacc 360
nggg 364

<210> 3285
<211> 109
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(109)
<223> n = A,T,C or G

<400> 3285
nnaactacag gctgtttctca angtcttgat naccatttat ggccangntt acgagacant 60
gattgtntctt gttgccaccg cgaggatcag ttctccgacg taccattag 109

<210> 3286
<211> 566
<212> DNA
<213> Fusarium venenatum

<400> 3286
aaaaaaatgg aaaatatcta ttttggcgat actttgcca tgccttgcca gaccctgac 60
tgtacaaggc ctgaactcgg tagtttgagg cataagctat ttcgttcctg acgtctctca 120
atgctgtctt gaatcttccc ctcttcgtag tcaattactg ttttttcttt cgccagggtc 180
aattcatttt gttcattgaa ctcaaatctg ccattcctca catcgacatc cttctccctt 240
ccacgcctct cttggtcttc tctgtagaac ggattagttg aaaactcaga agcaactacc 300
cataaatgcc agcttggttc tgggtcaagc attttgtaaa tatccttata atcgaggca 360
attgctgcag ctgcgacttg ccgtttcatc tccggcacac gcttagcgag ctcataaaga 420
agattccaat ccgggcgcaa aggccaccag atgatgtacg gcatggggac tccagtcggc 480
cagccattct caaaaagcgg agagatcgtt gatcatgatg cgacgaagcc attatggctc 540
gctggatgtc ccatgtgtat ggggca 566

<210> 3287

<211> 134
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(134)
 <223> n = A,T,C or G

<400> 3287	
ncatgtgctt gcacaagnng gttccancac ctngaangag ccttgtgagc gngagatnng	60
taagaatgcc nacgaactgg tcatgtcttt gatgactant gaccttgggt acctcgggat	120
cnttncatcg tgaa	134

<210> 3288
 <211> 502
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(502)
 <223> n = A,T,C or G

<400> 3288	
actgggttg ccgtaatgaa ttatctttgt tccgcagttt gggttcgaaa tagcgggcttc	60
tgacgcgaga tccctcgcat tgcccgtcat tgtccaacat tgtgttagta gcccgtcgac	120
accatcaact agctagccca gtcgctagag cctgacatca ccgagtcac tgctcaagac	180
gaatatctct agatatcttg tctttcttcc ccttgcacg gccgtacttc atcactctta	240
tctcaggcgt tgtttgctca acttcaatca ccatggccga agaaccgatg ctcatgcgaa	300
tccccccaga gatccgtatg ctgatatacg accatcttct tgacaatggc ggaacaaaagg	360
acatttcaat ccgtaaccaa tcgagatccg agtatgatgc atgccgntcg aaacacaacg	420
gtcaacatnc acataatgga gccgaagtat cgtaagaggg cgtncgaaac acgtntgngc	480
catcccgaac acaccgngca tg	502

<210> 3289
 <211> 380
 <212> DNA
 <213> Fusarium venenatum

<400> 3289	
attcgggtgc tgccactcaa cactacagag gaaagcctga ggctcatggc cgttttctcg	60
ccagaactcg ctgatgtgga agtactccct gtggaacaat cagaagacag cgggtttcgc	120
tccgctcaca tgcgattccg atcaatggag gcagcacagc aggccagaac tatgctggat	180
ggccgtccca acatttccaa cagcgcccag atgattgtcg agatcaagtc cgatacctct	240
ccattcgcgc agcgatattc cactgaccc tttaccggcg acaactcgag ttcaccggct	300
tcggctgcgt cagcatcatc tgcaattgga ccaggtcagg cttcaagatt caacgggtggg	360
ttccactcac tcgagagcct	380

<210> 3290
 <211> 220
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(220)
 <223> n = A,T,C or G

<400> 3290

actcaggcaa	gtagtacgcg	cggtatggaa	cgaggctcgt	ctcccccgcc	gccccatgccg	60
gcacctcgtc	tacaaacaag	cgtggaaaaac	atacctctca	acaccatgtc	gaacggccgn	120
ncatctatgt	cancagaccg	gcagcgccgt	gagcgangct	tatttantga	ccanccaagg	180
ggcAAAAAag	ncnaaaggcc	gcttggatga	ncnagaaggg			220

<210> 3291
 <211> 302
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(302)
 <223> n = A,T,C or G

<400> 3291						
gctccattcc	cgagtcgaca	catactgtgc	atctttactac	accaagcact	cttaattttc	60
ccattccacg	ctactgccaa	tcatttatca	taaagtgtca	tctgccgaca	ggctcttgac	120
ctctcacttg	gcccttacia	atccgtttct	aagggtgttc	tgtcacttgg	gactttccca	180
cgaacagata	gtgatggggc	tcattgtggc	acacatcggc	ttctcttgca	tgagcaccat	240
cttgataaag	acatactgna	ctaccattaa	tacaattata	aaggctgcnc	gcctcccca	300
nt						302

<210> 3292
 <211> 442
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3292						
ccaacgtgtt	cacgacagcc	tccactggtc	ttgctattgc	cctcaatggt	agtcttggtg	60
gcggaatcgg	tcagatccct	ggtgtgtgga	tttaccagac	gtcagaacga	caaggcgggt	120
ttacaacagg	gcattgggtc	aatgctgcat	tgtctctctt	tgtagctgtg	atggccttag	180
gcctaagact	gttttatggt	tggaagaacc	ggcagttgag	ggagtacgct	gaagcgcacg	240
gggtgcctta	tcgttgttac	aagttgtagg	aagcgagtgt	ttgcatattt	tgtttggtgc	300
gatgtcgttt	aatgagttcg	atatccatac	acattagcgc	tatggggctg	tgctagcaag	360
acgcatagcg	gaaacccag	tacttcaaga	gctgtgtttc	agacatacat	acagtttgtt	420
atatacgccg	atgttacttg	tc				442

<210> 3293
 <211> 1014
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1014)
 <223> n = A,T,C or G

<400> 3293						
gtcgcattct	tttcccgtct	ttccatccga	cgctgcatct	ttctgcttat	tgcatggcaa	60
ctaggtacag	tgagtgaagt	gataagcaag	ctcctgtttc	caacccctcc	tcctcgcccg	120
cctcgctttg	acttccccgg	aagcaatcta	tcctatcacg	gctttggggac	atgtcgacgt	180
ttctcatccg	agagcggcat	ccataggctc	tatctttatg	tgtgtagcac	attcggtagt	240
tcaagtcgtc	aactactata	gtagtcgtc	acctcttttg	cccttttggt	tcttcttttt	300
atttctctta	ttcttcatca	tccatcttct	gtaaccacta	attccatcat	caacgactgc	360
catcatcact	ctggacaaac	atccatggga	ttcttgtagt	catgcactac	tagtctcgtc	420
tctgtaaaat	caccatcaat	caaaaatggc	cttcttcaat	cccgctctacg	ctttcgttgn	480
gcccttctct	ttcgtcgnc	ccgttctct	tgctgtcttc	gctggcatca	caactacat	540
tgccttctct	gttcttgttc	tcagggtgct	gtctgtctat	ctcgacgtag	ctttatccat	600
tgnaccgcat	tattnggggtg	gacgaaaaat	tcggccttac	cgtcctaata	atcattacat	660

tcgtcaacca	cacctngaaa	ctccaggttc	ttctgcactt	tacaccaacc	catcagcttc	720
atcggccggg	tcaacggcct	tcgaatcatc	cttacnaaga	cgtcgtcac	gtaggagctc	780
cagtgtctta	tctacagctg	gttctaccac	cccaattagc	gaaaaggcat	tcggcttgct	840
ccctaacatt	ggccctgagc	gaaaatTTTT	gaaggtnntg	gcgggtnggc	cactaagggg	900
gtgatgacna	gacatggacc	acaatcaact	caaggctcga	atggcccgan	aaacaacacc	960
catnggacgt	aatcatcacc	ggTccccggg	aggcccacaa	cacccttga	gagg	1014

<210> 3294
 <211> 603
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = A,T,C or G

<400> 3294	
cgggtagcac	attcgtctct
tttcatctct	ttttttttct
tatataccgt	ttcttagtat
tcttttcgag	gcctacagtc
gagccccatc	ctaagcgccc
cagtcaggcc	gcaatctatg
cgacatcccc	ttgatgtgtg
tgatattcat	ggtcaacgca
ggccgtggaa	cctncttcgc
atcatctcct	tccgagttca
acg	

<210> 3295
 <211> 290
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 3295	
tacatattgc	ccaaggagcg
gacatatgat	aacgttttcga
catatgcgca	ggacaactag
ttgngctttt	gctcatgaat
gcctgcggct	gaaaaaaaacc

<210> 3296
 <211> 506
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(506)
 <223> n = A,T,C or G

<400> 3296	
ccgggagaag	tcataccatg
caggccccgac	tgagcctatg

tcgatagggg	tagcgaagg	ataagaggcc	catgatgaga	tatctatgac	ttgacgcttt	180
cacgattatg	atttgggtg	ccatgttagg	gacgtacgag	ttgctaactg	agtggcaa	240
accacatggg	agtctggagc	ttgtccaaca	tttctgaggg	agttgaagt	ctaatacagg	300
gacagaccca	acaaaagaca	attgcttgac	caggtttggc	catggcaagg	atatttatgg	360
ttggtttgcg	tanggtgcaa	agcatatgga	agatgtatag	tacggaaaaa	ggagtccacc	420
aaanggaatn	ttcaaccaac	ctaccggtag	ctgancacct	acttaaata	tggttgagat	480
atcaaattcc	tgatgaagca	aacgtc				506

<210> 3297

<211> 254

<212> DNA

<213> *Fusarium venenatum*

<400> 3297

aagaaaataa	aattgcggct	gttgctgcgc	tcttccatct	cttgatgagg	ttgtgctttc	60
ggccgctggt	ctcaatcgct	cagcgagtga	taactgacca	cgcgatacca	ggacttggcc	120
gactgtgcgt	tggttggtaca	tggtccggga	aggtttcgat	tctgccattg	ttcccggatg	180
tcttttgatt	atatagaaaa	aagtgtttga	atatgaatta	gtcatccctt	ttgggatgtt	240
ttccaaaaaa	aaaa					254

<210> 3298

<211> 149

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(149)

<223> n = A,T,C or G

<400> 3298

ntcaagcatn	taanggtttc	tngaaggcnt	ttgaaaccaa	aataaaaaga	nccccntgtg	60
ttggnagaat	ttagggcagc	ataaggcttt	ggaaaantca	ncccccttg	gnaaaggtnt	120
tncctggnta	aaatgggaaa	nanaggcgt				149

<210> 3299

<211> 408

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 3299

acccgctgaa	cttaagcata	tcaataagcg	gaggaaaaga	aaccaacagg	gcaatncaag	60
gccagtggcg	gncgtngacg	aaaggctnga	acgagttgag	agcaatggca	acatatatct	120
gcgcatagtc	tancgtccat	tntccnagta	ttcgggtacc	aacgcctgct	ttgatcttnt	180
tttgcccagt	cctgggtcccc	nggtttatgc	atcagttggt	caatattcgc	catgatttca	240
cttgctgaag	aagaaacgta	agtgacaata	aaagccttgc	tgaacctagc	taggctcnca	300
gtcactgtgt	gcttacagct	gatctttgga	gcttacgtna	agtcttttgg	caangtacgg	360
agtgtacgat	gggtnttgct	ntcgcatctt	ctggtttgnc	ntttgcat		408

<210> 3300

<211> 144

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(144)
 <223> n = A,T,C or G

<400> 3300	
naggtagnct gtcattgccac ttcncacagg gcaaaatggn aatctttccg ganganatga	60
gngcagaggc cctagnccctt ttangaaana agnggctccc taattnggaa gtaatgtgct	120
anttncttgc aaanctggtt aann	144

<210> 3301
 <211> 606
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 3301	
ccgncttgcc acaatctcaa atgaagtctg cattgaccca ccagggaact tcaccggatg	60
agaccgagat agtaacgacg acagggtgggc taaaagtga cctttacaat gctcagatgc	120
agctatctag catccgaggc tcgatctatc gagagatcaa tccaaacaag ccatcaccaa	180
ctggcaccac gaaatccatc tcgagtctga tagagaagct cgaaagctgg cagaccgagt	240
ttgcaccggc acttgatggg aaatctacac aaacctacga acatcatggn ttaatccggt	300
tgnatcttgc atactgncac actctcatca tcgtaatcgt cgcatagctt caaatattgg	360
gcataaccga actcatgaac acatcggcct ggcttcaacc atacatcttn catcgagaat	420
tgnatacgcc ctnacgttgc attattgagt tgccaaagct tgttcagata agnggaagag	480
attcattggg acctattcac cctcttgagt cttgtgggna tatcataatg natcacaatn	540
tgggttaggg tccaacgntg ttttgtnggg nagggccaat ntagattnag aggtgccatc	600
gncnca	606

<210> 3302
 <211> 605
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 3302	
nccaattttt gcgncgcgna cgtacgttcc gaggagctgg aaagcgttga tcaaaaagctg	60
ntacagtggg atgaacagat ccccgaagag gtaaaagtgc gtaactggga caaagggaag	120
cacatcacgt caacaccgtc gtataacctc caacggttgc gaatctggac atatctgcct	180
tggatcaaaa tgcgaatttg gtttacacgc ctgttcttta tagccgccac aagcattgng	240
ggacaccctg cacaagtcag agcgtgggtg cgacattggc caaagatcta tccctatctc	300
agccattttg aacaacacaa caaacctata cangcgtgtg caggctcttct accatcagtt	360
ncttacatca actatcggcc gtcgtcttnc tcgctttcgt tcacgcccc aatnccggttc	420
aatgctaatt gcgcganga agttctatat ggnttttggg gcttggtgaa ggatctnttc	480
cgntaagagt tgggncttac aacgggtgng gcggacaatt agatcgggta aaagacgtng	540
gcaccccgat ttggattgaa ccttgaggac caatccgaag tcaacaactt natttgggaa	600
tgata	605

<210> 3303
 <211> 171
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(171)
 <223> n = A,T,C or G

<400> 3303
 ntctnctgat gggtaacaac nttgatgagg gcactgtcta ctgaaagaag ggcataaaca 60
 ctacaganca gtnacaaant tgganctata ncctctgcct cnataangat gctgtgggta 120
 ctgctancga gctctacccc gactaccctg anaaaggnat tccnacctat t 171

<210> 3304
 <211> 573
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 3304
 cttacttttg tgccaccaca aacctttttcc cctctttccat atcataagta cctatcttcg 60
 ggggagcaac ctaccgtctt gcgtcgtata aacaaccagt atttcttctc tcttccacac 120
 tcccgccagc catattctgc gtctctacat gcttggtoga tcgcttcgtc tttcaaata 180
 taaaaacgaa ttaacgacaa gcatcatttt atcgcttggt acaatctgtc tagtcaaata 240
 aactaaacac catggctcga atcaaaccat caacgcggtt gcaaataatt cgtcaaattg 300
 gccntctaca tacttgaact ttaacnggct gtttaccnccn ttttnccacc ccccttacc 360
 taaaatgcct aaaaaaattt tttgaacccc ccnacctggg tgggccccag ncccaaacct 420
 gcgccccgcc gaaaaaantg agcgaanccc ttaaaaaaaa tcnaaaagga aacttncctc 480
 nctgncccca aaaaaaaang aaccaaacct ttgaaccccg nttttctttc cncccaaaaa 540
 gggcccnгаа aattccttaa aaaaccaaac cgg 573

<210> 3305
 <211> 641
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 3305
 gaaagcatca actgatcaat gcttgccagc tcttacaagc cccaaacata tgtagacgtg 60
 gccgtcgcac tttcctcttt gagcgtgcag tgctacaaat atctcttgac acctctctta 120
 acgtcagggt ttcttcttgt ctcaggtcag acccattctc agggcaagaa gcatcaatcc 180
 accaaagaca atattctatg tcgtattgca ttactttccc cacaacactt acagaacgat 240
 gagacagcaa tatgaatcga tatcaatgga aaactggccc tctagcaacc gtaggtcacg 300
 accctcagct attagttgca agtatcctga aatggcctat aagctggagg ctgcgtctat 360
 caaatatacc tcggcttggt tcgagggtcg ggcgggtact atcctcagct gggccttgat 420
 cgtactgntc gctctntttc aagggtgggca ttttcgnatc angaatgggt atgatctaca 480
 cgagccatgc ttggtatcga tgagaagcaa gttaanattt nggcnnttac aaaaactccc 540
 gggtttccggg aatgnggcca atacctcaac ctggacaagg nggaaatgna ccttactaca 600
 ngggaaaagg cgcttnaacy ggtattcgac cccccgnntc a 641

<210> 3306
 <211> 541
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(541)
 <223> n = A,T,C or G

<400> 3306
 ggacacgatg aaattccata cttgtacctg tttttggatg tgaagcttac tgagatctaa 60
 tagattttga gtacctccag tccacataat gagccaacag cagtcctcac agtctctttc 120
 gggagctgat cgcatacagg ctctcaagga tgacgatgca atattcactg cttttgatac 180
 atatccatgg accaaggaca aaagcttcat gtcaggcctt tgctccatcc ttggtgaacc 240
 tggtcagcaa gaccccgaa cctctctctc agatatggct atccacgctc gcatattcta 300
 ttatgcacag cgcattgggtg tcaacatoga ctttggtcct ataaaagctg gttgacaatc 360
 aaaacaaact accagccccc atatgtcttg ccagaggaat accgcaacgt acagangcca 420
 atggcaccta agcttaagcc ttgactgcag aaggctgacc aaagntgacc ttatnngccg 480
 aaagccgtga agttattact agaagacagc taatatccat ggggttgccaa tgacaacttc 540
 a 541

<210> 3307
 <211> 957
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(957)
 <223> n = A,T,C or G

<400> 3307
 gtcgaagtct tccaagagct ctaggagggtc taagaagatg ccgaagcatg ttgcctatgg 60
 tagtattgat gaggacctgc gacctattta ccccccttca acagcgacga gaacgacaac 120
 gtataatcag cacagccaga atggtagcga ctcaactaat tatacggcgc accgtatttc 180
 gctagatgta ccatgcaag ctgccttcg attgaccgtg cccggncctc gtacgatcga 240
 atgagggcct cgatggaccg tgtcagaccc agcttcgagg ctagcaatga cttcacatca 300
 gcagcgcggc tatcacgaat cgagtcgagt caatcacagg cagggacgct tccatcctcg 360
 cctcagaggg ctttactga ccaagagtgc caacatataa gagatggatg atgattcaca 420
 caactacttg gtccttcctg tatactcctc aaccatggct gatgacacgg atctcctttt 480
 cagtttctga gctttgtttc tcttcgcctt ttattgcttt tgatatccca ggccttttacg 540
 gggccagtga tgcacgtacg atctgcatga gcgatctgtc agctgctccc cccggctctt 600
 gtccgtttgt tcatgcgctg aagcacgcaa cgaaggcaac gaggtcgaaa ttagttcttt 660
 tttcttgatc ctcccacgct ttacgctggg aggtttgctt tacatacgca gggcgttata 720
 aaggggaaac gcaaaangag ggttttgctt ttttttgat gaaactgttt tttggtggct 780
 ttccagtact natcactttt agtcnttatt tcctcgcgcg aaaaattttt tttccaccct 840
 tttccttttt tttttagcan tctttagaac tnggagaagc ngggnaaaca tttccttgac 900
 gaaaaattat tttattattg cntggaaagg ngttgaaaan gggaaaaaaa acggggcc 957

<210> 3308
 <211> 174
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(174)
 <223> n = A,T,C or G

<400> 3308
 naccntgttt naccaagtna acggggacgg gagccccgtt nagtctttgn ttttatccag 60
 atntcttcac tatcntttat aagcgacggc gtcacacttt aagtcaacga actcggcagc 120
 gttcattaga ntagtgacg ccgctacaaa ctttgntggt ccgtcgttcc tatt 174

<210> 3309
 <211> 628
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

```
<400> 3309
aatggctcca ggatgccccca caaggtaaaa cgcattgcac tcacgaggac gaaatagagt      60
ctcgatcaga gtctgagtat ggcgacgaca ttaactctgg ctcagaatca gaagcagaag      120
cagaacccat gtttttgaag catttcaaga gcttggagca tgagccagtg acaaatgcaa      180
gtgggtgtga agaagaagag cacagcagca gcggcagcgg cgatgtgaac gatgacaaag      240
ccaatcaacg gacaagtctc cgcacacaag ttgagcacga cattgaacaa actggagatt      300
ggactataaa agccgatact agcgcagtta cccccactac aacaccgaca atgacgccta      360
cggattttga tctccgagag ggaaaaactc gaattagggt cccagaccgt cggcagccgc      420
agcagattgc atcaataaag atgcctgtgc cgcagatggg tactgnntat tgatggacat      480
ggccaagctt cactgcgcan caatcagagt cctaattctt ctcatgcggt tgaagagcct      540
tnnttgagg gagtcaagtc cgtgggnttc aaggcanggn acccttangg ctgggctttg      600
gtccgttttg gggggtccat tcaattnn                                     628
```

<210> 3310
 <211> 552
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

```
<400> 3310
nattgtgatg cagcnacatg gcgctttggg agtcggtnat tgaccacctt cgtttggggc      60
cttnatnatt cttntctntt ggtggagntc tgnattccnt tnggatgggt cttttngggg      120
attcantgtt gataagtaag tcttgccaag gttagacctt tattaagaag gaccattngt      180
gggcttgtaa ggtgggtgcc cggcgggaaa agaacgaagg ttcttgctta cgacaaantt      240
tggtnttaaa aggccttntg gaatgaagga aaattttcca attggacnac cccaacgaac      300
caanaagggt ngcaagtcaa cgtcccccggt tttctancct cgatgtcccc ttaacctggc      360
cacaacgggn aanaagcttt tcttgccaca ttttattttt gattancgca ccccatacat      420
aattaactac cttttggggg actntnaaac cacataactt agatttccgt aaaatgccgn      480
naaaacacta cacaggccgc natataantt cttttttacc ccctttacca anttacaagg      540
gaaacnacac tt                                     552
```

<210> 3311
 <211> 328
 <212> DNA
 <213> *Fusarium venenatum*

```
<400> 3311
cgaagaactt ttgaactcgg gtcactttgc gaaagtacct ttactcattg gttcgacaag      60
aaatgaagga acatccctat tacagcaaat gttgggggatg acggggcgcat ttgacactga      120
ggagcacttg agatcgttta tccagacttc ttggtcaaga ggcccaatta atgctacagt      180
cgcccaacat tgggcacaat tgtacgctca agaaattgag accccttcga cagcaggtcc      240
aggtaccgtg aaggtaaadc ccggtccaga gtacggttagc tattatggggc cggcaacttt      300
ggtggctggg cgattttgat attcactg                                     328
```

<210> 3312
 <211> 538

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 3312
ntcagtaact atgtcggttg aagtntttac ggacgtggtg gggtngcact ttcaacccaaa 60
agaacccccga ttntgtgacc ggcgaaggcc gtcccacttg cantgggttg aagcatggng 120
atggccatan catgcaagtc gtggaagggtg cttgcaatth ttggaaaacg tanggccnc 180
ttctaccgag agnaaaaggac caggacatta ttccaaaaat tggcgatccg accgaancca 240
aaacggccga gantaccatt ctggccgggg aggcgcttg catgcttaag gtcggaaccc 300
anagaggaat ccgaaaangaa aaaaacccct ggccaaaatt ctgtggtntg gctgacaagc 360
ttaagtcaac tttttggtac aagaagtana acctngatcc gaactganga aaacaaatth 420
ggagtcacat gaggaggaat gtattttgtt tgattccagc anggcggtgt gatttnggtt 480
tttcaaaaat ncccaactnt ntcggttattc tttgcaaata atagatgggt tttntttg 538

<210> 3313
<211> 633
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 3313
gcgcatgtcg caatcgcgca ccgctctcga tgacagtga tactctacaa ggttcaatcg 60
actcaatggt gccatcaaca acctctcttt caacattcgt aaagattggc ggtgtgtgcc 120
ccagtggctt gacaagtatg tttagcgaga ggcactcaag accggaaagg ctgagatgac 180
ggctgtcggg cgagcagtaa tctcacgggt gttaattggag gaggtgttca acaagtgtct 240
tcatccgggt ctggacacgc actaagtcag tcgctcaaag agattgagct tggcattcga 300
acaactcata caccctgcta gccaggaaga atttgatgca ttgacnagca aaatcgtag 360
ctggcgaatg acgttctttg acggttttna ttgtaaatta acttgcccaa aagcgattga 420
naaccgtaaa agtttttttg ccaaaaanaac aattaatttg acggcttgtt ttaccaatth 480
tttaannaa ccacacccgc ccgggggngg acgggaccca ttnaataatc cnggggacnt 540
tggttggggc atttgnaant taacctttcc cttaaaaagg gcggaanggg gttntttttt 600
tanccctgc cttggaaaaa ttngncccc ctt 633

<210> 3314
<211> 205
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 3314
nncgcctttc cttcagant ctnaaggcng gnggggtggc nccctatgg ttgntggata 60
tgatgggctg tgctggtgtc gcaagggtgtc cttgctggta tggggtcttt aattgactgt 120
ctnggagcat gtaccatgat cttagccgag angccgttta ccncaacccc cttcaattct 180
atataataaa acttttttgn ctttt 205

<210> 3315
<211> 612

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 3315
gtgaatattc aacttogaat tcaccattot ttcacttccg tgaaagacta tattccactt 60
cttctctctc gtttcgtgtt tctcacatac gcttcttttt gtggaagctt ataatctgtc 120
ctgtttgtaa aggacagata tagctaccta gcttagtagc taccatggcg ctcactcgca 180
agagcgtcgt ttgctcggct ttctgtcttg ctcttcttgt cggctctgta tacgccggcc 240
atggccatga tcaccaccaa gcagaggcta ttgccgggtg caacaccgat aacatgagcc 300
tcgacgaact tgataactcaa ctccagactt gcctattgcc agcagctcaa ctcaccaagc 360
atgcccata tgccgccgtt cttcgtcgtt accgnacgtg ccttcgctgn ccttttccta 420
agttttctgc cgcaacgctn tcttgcgacc tttacatctn ggcccttcca acttctcttg 480
gcctttggcc gacaacattg acctgnttct ctatcngnat ggtgnattgc tgggtggaggc 540
ttnnccggga acttngtcat tggntcttga attttgtggn gaaaacntta cccggttnca 600
agtttggtc tt 612

<210> 3316
<211> 520
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 3316
ggtctaactt gagtgtcttc tccacaaaaa cttcaagctt ccatcccatt cattacaatt 60
aactgagctc atggcttaaa tgcagctttg tcatcatcag aaacaattca ttgttcaatc 120
gaccgaaata caaccttaca aaccccgctc atcataaacc caatatctcg aataacgcgc 180
tgtatacccg aacaaaaactt taaaaaacatt caatacccct cgactccgcg tcccctgaca 240
cgtctagctt cagcatcatg cgacacacat gatataacc acaatgtggt taccgacgcc 300
gtcgtcgaga gcataaacag gccacgggta gctgtggccg tagtctctgc agtggctgcg 360
ctctcagcag gatactatgc ataccaaaagt ccgatcgcag agctttngaa aactggcag 420
gtgggtggtc gcataggagc aatgcnntac gacgtcacna cgganccgcg aaacnaggat 480
ggatcaaagt tatcggctga acttgcagtg atgaaaatgt 520

<210> 3317
<211> 124
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 3317
naaaacgaaa gtgnttttgt gcggggggaat cantttgaaa ggtttttcca anaaaaaac 60
cccaatngaa atgttgggac ntnaaccctt ggattttcgt caaanaaaag gaaatttttt 120
cctg 124

<210> 3318
<211> 591
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 3318

ctggaagcca atcggttttg ttccacactg tctcgcgatgc tcggcttttca tcgtcacttc	60
agactgatgt tctcgcgggt ggcgtgggtg agaattctcat ggtgcgaata aagcccgtga	120
aacggacaac ctgatacttg gcatcaaata ccggggccagg ctcatggggg acaaangaag	180
catcggagac gtcacagcag tatctgtcat agagtatgat gaggtaccag gcgttggtgt	240
cnggagancc aatggagata tccagatact atctggcaag gataacttta catctgtttc	300
acgacaactg aagggaacag atgggtcact aagagatagt ctttctgaca tgaagaagtc	360
gccgggccaa acttcagtct catccttgca gtggcaacca gaagcgaatc gtctcgcaag	420
cggaaaangc tctaccctca tgctctacga tctctcggca tcggacgacc aggattgact	480
cccatagagt ctacgacttc tcaaagacaa tcccgatgat gaagcatcgt tcctacnaac	540
accaaattca tgancaanaa ttcttgcttg cgcttgggtg caacanaaac c	591

<210> 3319

<211> 182

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(182)

<223> n = A,T,C or G

<400> 3319

naaaactccc ggnaacttta ccccgggggg gcattttttg ggaanaaanc tgggcccana	60
anacccccca anttgccag gggggccggc ttcctttttt gggggaaaaa aggggttttt	120
tcccccccc caaaatannt tcaaaaaccc cctttacctg tgttttgggg gaaataaaat	180
tt	182

<210> 3320

<211> 668

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(668)

<223> n = A,T,C or G

<400> 3320

aatcaaacta ttctaactt ccatcaattt gaatccgtgc aaccattttt cccttcgtcc	60
ttccaaccat aagcaatact acatcacgtc tagtcgaccc aaccatcaaa taacagatac	120
cttcaacttc cctcaataac aacatcaaca tgcccgtccg cggttcccaga cttcctgctg	180
ccaagccctc agagatcttc tgcattgggtg cggccgggtg tggcggtttg acacctttgt	240
acctcgatc gcctggcgcc gaggaacgcc tatctaacca gaccaacaag tgggctccac	300
gatgggagag gaatctcagc tacttcatcc ctcccatgga gaagggtgtt cagcgcacg	360
agcctccggt atccaagatg gtccagcgtg ttgaggaccg cctccccctt gagaagatgg	420
caaagtccgt tgataagggt atccgaagtg gcatcgcccg attcaatggc gagaacaagc	480
cataagaaca tatttctact gtcaatttcg tcatgcctgt ggctttgacc atgacctgc	540
caacaactta ctgctaggca tgcgtctttc ttttgtaa atcatagcat accctgggta	600
cggatagata acttattgtc gcatcggnc atatatggat ggaatgaatt tttatttctt	660
ttccttgg	668

<210> 3321

<211> 558
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 3321
 gaattttttt tttttttttt tggccgangg ggaangtnat ttttgggatc ataggancca 60
 aaagcctttt tgggatctaa catgaatgac gatgcaaat aactttgatg tccaagataa 120
 ccaaaatctg ggccaagtct tcattcccat gactttatcc acatcaattg cgcttgactt 180
 ctaaacattg tcgcttatgt atattcaatc attccacccg ccttctgtag atagggaatc 240
 cttacacccc ttgaaccccc gnggtgccnt ttttagtcaa ngaggatggg tgnccgatatt 300
 ttaaaactca ttttttggtg gaattgaata acctgatctn ggcattaact tgagaagtaa 360
 aancttggtc gnggcngggc tgtaccaccg ngagaaccgg catagggagg atcctttgtc 420
 gntgaccgtg aaaaggggct aatgtttngg caaaaccttt nggcttgggc ntancaccac 480
 gttacggggg aagttaaggg gaggttnanc tgaggttaat gacggcattg ggttcactaa 540
 gcaaaatttt gtggatcc 558

<210> 3322
 <211> 189
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(189)
 <223> n = A,T,C or G

<400> 3322
 ncttcataac aagggggccaa ggggggaatt gntaacccca aaatccaaga aaaaaaagtt 60
 gggcnaaggg gggngngaatt tcccaactnt tgangggatt ttttttnggg tgggggatta 120
 atgantttnc caaatnttt tnagggttaa taaaaaanat tttcattttg gantccccng 180
 ggggggaagg 189

<210> 3323
 <211> 238
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(238)
 <223> n = A,T,C or G

<400> 3323
 nttgacaaga aggcaccctt ttccaaaatg ggaaggcgta accaacttgc caagganaag 60
 gtccgttcgt tggngtnttc aacttnaacc agganaagct tgacnaatat taaggncctg 120
 gggtancccc cncattaacc aaaatgagcg gtancctttg ttttcttaaa ccnaacttt 180
 ttaaagtncc tccagganaa aggggntcct ttttactgcc taattccgnt ttngggaa 238

<210> 3324
 <211> 522
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 3324

gtgcttcttg	gcgatgatcc	ctgtccagct	gggtatggag	actcgaatta	ggttctgatg	60
cgacgtcatt	tgcaggccag	ccatagacga	ctgtcgttgg	cctcctatct	cccttgatca	120
tcatgaaccc	tgaaggagg	gacccagttc	aagatggaga	acatcccaat	agacgcaata	180
ccaagagccg	ctgaaatgtc	gtcgtttag	catgattcgt	ctactttaac	gcggacacgc	240
cgatacttca	agatggattg	tcacagaatg	tcttgctgca	ctacgacaac	cgggtccgct	300
actgcagtgc	agatagagtg	tggccagtta	gtatcgctcc	cgatggtttc	gtcaaagtgc	360
ngatcgatgc	gtatagctgg	tacgcatttt	aattggtttg	caggtttcaa	aatcatctgc	420
gggttcaacg	acacaaatgc	agtactgggt	ggtgatcgat	tcgatgctna	cttcaaaacc	480
catatttgca	acaaatcggg	tgcacgatg	aattggtatt	cg		522

<210> 3325

<211> 132

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(132)

<223> n = A,T,C or G

<400> 3325

ntaaanctta	aacnaacaa	attgtttttg	ggagnatttt	ggcccncccc	gaatttnttt	60
tttttttaaa	cccaaanaag	aagggttttn	ggcttaaaaa	aaaaaggngt	tgggcaaagg	120
ggnttttttt	tt					132

<210> 3326

<211> 103

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(103)

<223> n = A,T,C or G

<400> 3326

nactantggg	tagcatcact	actgtggngc	tcatgattac	notacctana	cgggttnacc	60
ntcctncaat	gacactcctg	gatgatcann	ctttcgcta	ata		103

<210> 3327

<211> 295

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 3327

gattngccat	tgagcaaaag	aaaggaactt	atncaacaga	gcagcttgag	cccntnaaac	60
tcgacaccat	ntcttcaacg	cctcantggg	agtagcaact	tnaacagctt	naacacttca	120
naggcgctct	tgaactctca	tcaaccccaa	cgcgtgtoga	ccctccccac	ttgtgctgcc	180
cgngagaatg	cacttgnaaa	cttgcgacag	tcagttcaac	angagttacg	cgcgggcacg	240
cccgttatta	gtacctncgg	tcngggagaa	ccccattact	cngcatgtct	ttttg	295

<210> 3328
 <211> 134
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(134)
 <223> n = A,T,C or G

<400> 3328	
ntgaaagnaa tggttacncan gcggaccena aaagancggt tanttgagga natchaggac	60
natgnggcta aacctgggtc tntaccgaac attgcggang cntgatgang cttgggcaag	120
gcntgttttt gaaa	134

<210> 3329
 <211> 122
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(122)
 <223> n = A,T,C or G

<400> 3329	
nacattctgg gncngtttta tctgggtccct ttnanccagc tanaaaaaact ttatttttacg	60
ggatttcntg gccaaagccct tacaaancca aacttggccc aaaatccac aataacaaat	120
ac	122

<210> 3330
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<400> 3330	
cgcgccacg gctacatata ggagattata ttttttatct ggcggttgc acgttgacaa	60
tcaggcggtt gcagtatcaa caacttatat cttcgcgttc cactgactctg aaccagaacc	120
ccacaaacct cactcttgta acattcctgt agccatattt ctacttcact ttaccagtga	180
acagtctggg atatagcttg cattgatcct aatgccaaagg caggaataac aacattacag	240
tggaccggga atcatgtgct accagacgat tcatacgcca aaacctgggt ggtcaagacg	300
atacagatgc ccagagagtc aattttctga gtcttgacgt ggtttcacag ttcaatgatc	360
aaccaagccg caacctatct atcaagtaat ctacagagaa gaacaggtcg agtctgtttg	420
ttagcaagtc ggattggcca gccgcaagtt aatcaagcac acaatatgat acatctctgt	480
ctacaggcac ggtctctcaa agccaagcgg ggagcatcgt taaagatgcy ggaatttatc	540
ttcgtccaac agttatcaag aacattggga cttttgatcc atccattatc g	591

<210> 3331
 <211> 104
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(104)
 <223> n = A,T,C or G

<400> 3331	
ngccanacgc gtnacactat ggangtccag aaaggcttgg aagtcctcga cgggtgctgtc	60
tganccacgg gcgctgaagg tggngggcca aaccagacaa ttac	104

<210> 3332
 <211> 154
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(154)
 <223> n = A,T,C or G

<400> 3332
 ctgagtaaga ttcaaaaacc tatgcacgat agccaaagga aacggccggt aattaggaga 60
 aggttggatt agcgattggg gaggcagggt gctttgtata tacttgaagc aagcgataga 120
 tacctgtatc ttatgacttt taactgtttt tgtn 154

<210> 3333
 <211> 316
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(316)
 <223> n = A,T,C or G

<400> 3333
 caacacatct accacaacgg ccgtctgatc tcggatgata cgcaaacaat ggagcagcta 60
 cagattgccg atggggagat gttggccctg catgttcgag atatgagagg cagcaccggt 120
 gtaccggaac aagctcgacg ccctcaaccg aggagacagg ccagaaacga acaggatcct 180
 gaactcattc gnctccagat ccttggtcag cctgctnttg aggcagcagc ttnagtccca 240
 acaccccgag ctgggtttcg gaagttgatg atcccgcccg gtttgcaaan atntttcttt 300
 gacagccana attagg 316

<210> 3334
 <211> 372
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 3334
 ctaagctgat ggtcgtttgg gaagtcaagc cgagcgaatg actgctaaag ctttcaaaga 60
 tgttggcgtc ttgagtgggg gttagttcag cccgttgtct acttgagtga gacaactcca 120
 tcagcaagct cgcgatacag tcaaagtctt cgactgccag cttggatcgc atttatagca 180
 agatacagta ttctatctcc tcagaatctt tattattatt ggttgatctc tcaacccccg 240
 caaaatgacg aactggtag acgctnttnc gacagaccct caggtcgatt gnganaccct 300
 tgtttgctta angggactaa cccaagccct ttntttttac aacattgact tggnttgnc 360
 tggaccacaa tc 372

<210> 3335
 <211> 347
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(347)

<223> n = A,T,C or G

<400> 3335

cggataagga	tgctttgcct	acacatctcg	ctgagctcat	cgacatacac	aaagcatttg	60
tcaagactat	catgatccaa	cttgcccata	acggaaagaa	ctctcctatc	gacattcgcg	120
cgctcgctcc	ccacatctca	cagtcctggg	ggaaacgcca	ggtcactatc	gaggacattc	180
gtcgctgtat	cgccattcaa	agttcagcca	agtcaatgct	cattcgccat	tcatgattac	240
agactatggg	cggggaaaaga	nctgcgtaaa	cgctntttng	ccgatatggc	cctatcaacg	300
aaaaacggtt	tttgggggnag	tttggcntta	acctacaaac	attgggac		347

<210> 3336

<211> 287

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(287)

<223> n = A,T,C or G

<400> 3336

cttcaaccaa	cccagcaggc	agagtaatac	agccatcacc	atgtcaaacg	ctcagctttt	60
actacatatc	gcttaatccg	ctgggcaact	gacctggcaa	ttcacgatat	gacaagctga	120
gcttgggtata	aaagataaaa	aagatttagc	ttcttatatt	ggggatttgg	ngaggtcata	180
attcggggcg	ataaanaaac	caantgctgt	aacgttganc	tttnaaaaat	ggccttngnt	240
tgaattattt	tngctggtng	ggggcntggc	ccttgggttt	aaggccc		287

<210> 3337

<211> 278

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(278)

<223> n = A,T,C or G

<400> 3337

ctttaacggc	ctccaccaac	tcttccatgc	caccgaccga	tgttggggcca	ctcatgccct	60
ctgggtggcat	tggccatcgg	gggagagggc	tgacataaan	aacaagctac	ttctgngtcc	120
tcataccgga	gactgnggag	ccccaaaggc	aggtttatga	atggcanggg	tcggagtaca	180
aaaggngttt	ggnaatatatt	tggaaaagtt	aaccggtnaa	ctttttgggc	cctttttttt	240
ttatatattat	ccaccatggt	gtcgtataaa	gcgaaaag			278

<210> 3338

<211> 316

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(316)

<223> n = A,T,C or G

<400> 3338

nttaaggaca	tccggttttt	tttcgacctt	ttcttgagna	gttttttaaag	gccggggcaac	60
cttattaccc	aagnaaaaaa	agtntcgntc	cgatgctttt	ttaaggnttn	tttttgcccta	120
tgccaagcgc	gccagtgaca	ttgtcgaacg	catttcgtga	tcaananaaa	gaccccgctc	180
ggaccccttn	aagtcgaggg	aggacctccc	ccaggctggg	aatgaggtgc	atntttccag	240

gaatgatggt catgcttcn aanggccna tgggaaagaa ccatcttntg gnaaaatggt 300
cgtcgtttgc aaaagg 316

<210> 3339
<211> 176
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 3339
ntgacttngg agcatgagat ccaganttgg tgtccagagc tttcnagntt gganaaatatt 60
ttcnaaactt attgangggg cnggtcanta acnattgggt aacganccgag tccgggggctt 120
cttngggggt tcnttcnacc ctttttncct tgggttttggga aaccgggggt ttcnnc 176

<210> 3340
<211> 593
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 3340
tggtaaccct gataaacagc cacttctaca acaccagtc aggctctgaa cgataaacct 60
aattcgagag caaaacaaca catcatggcg cctgctctac actcagatac gtacggcgct 120
gctgtcgaat acgcagccaa aagaaagcat caatgattta acaacacgcg atctccagaa 180
atccaaacca cacacagcaa gtcacttttg gcatcattgg tgtttatgtc gttgttattg 240
ctattctatg gaacgttcct tatgtccgca tggtcctctg gccattcaag atgttgggtca 300
ttgccttcca cgaatttttg ccacgccatc accgttcttc tcaactggaag ccgcgtcaag 360
tctatcagtc ttgatcccaa cgaaagcggc gtaactcacc acattgggtg cgcaaacgct 420
attgttctac cagctggcta tctaggctcc tccatcatcg gcgccctgct catcttttgc 480
ggcttcaaca tcgtcgccag caaaataacc agcattgttc ttggcgtctg tttcctcccg 540
actctctggt ggggaaancc tgattgggtca ncactctcac tgttctcttg gct 593

<210> 3341
<211> 504
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 3341
attctctac gacctaaaat actgtttcgc tttgaatccc attgacccaa caaagtattg 60
ttaattaact cctctctttt gcattgcatt gctacgccat cccaatcta atacaatata 120
tacgacgac cgagccgac gctacccacc tccggtgcat atcacttcaa caatcgctt 180
atatacgact ntacaaccat catccctaca ctaccgacac aacacaactg ggtacgcaaa 240
catgcgctca taagtcgtt gntccttttg aggnattggct tgtnttttg cccaagttgt 300
tgccctgntt ttcccccant ttcnaaaagg nttggaaagg gcnaaaattn tttnccttta 360
aaaaacggcc ccggcgggnt tgccnaaacc cccaaanntt tttgggaaaa gnggggncaaa 420
ataaaaaatt tgggccnttt aanggggggt tttttncna aaaaaatttt ttnaaaang 480
aatntttttt ttttttnggg ccgc 504

<210> 3342
 <211> 384
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(384)
 <223> n = A,T,C or G

<400> 3342
 nctngttcta ttctccaacc ttattagccc aaaccttaca acagatcctg aactacctac 60
 gagacatntt catgatccag tcagaaattc gacttcgaca cgccaatttg ttgtcggctt 120
 tcaccagcgc gatcccgccg caaaagacgc aattccactg tgccgagccg tcgctttgac 180
 tggattcgta gtcaaagacc ccggccctna atgctgggct ggcacatga acgcacangt 240
 atcttttctt tgatggggac atacacgctg gatcatatnc ccctnagcct ttactngagc 300
 ctcttcagcc tattttttng agtactggta ncacaagtgc caagggggcaa ggaaggctgg 360
 ggcgantnaa ccgantacca agtt 384

<210> 3343
 <211> 352
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(352)
 <223> n = A,T,C or G

<400> 3343
 cttcaacctc tttatatctg atctttacct ggggtttatt tatcactgtt gcctcgctg 60
 gctgcgttgc gctgtagact cttatacatc acccaggatc tggacactcc accgttttag 120
 tccgaggtcc ccgaatcgcc tagctctcat tcatacctacc gacgacatct gaacttattc 180
 ggcacaccac actcgaggtt tccgacgtca caaaccactt tacgatgcct ncttctnctt 240
 cttcggccct tcggcaccgg ctggnggnat ggcggnctt cttctcggtt cttcttcccc 300
 agganggctt ctggacgtca tangaggaca ggtaaaanggg ggctnttttt aa 352

<210> 3344
 <211> 571
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

<400> 3344
 ctttcagtc gctgccaaac ctaccaggca aggtcggttc tggacattta tgtcacttga 60
 cgtccaggca ttgacgcgct caaataaaag aaaaagaaag aacagaattg tgctgggtatc 120
 atgctgccca atgcgtctcg actcctgcac ctgcatcgtc aatctcgat aacaagcagc 180
 agaagcgata gctcgaggta ctgacaagt gactctactt agcggcgcgc tcaagagctt 240
 cttgagtaga ggctacctat tccggaccca gcattcagca acatcgaacg agaacggacc 300
 cgacctgatg tcttttggtt tcgcacgggt aggtatgaac cagcacatca ttagtggcag 360
 atatntcaaa aagatatttg atcgnattat naacaactta ctttcactag ctcggaatac 420
 aatctttacg tgagcaaaac tgttaccaaa cgctgggtac aatgcgcttn nggtacatgc 480
 agcacatggc tatggattgn cacccgantc tttcgcttca tgaatataac aagntgngac 540
 caacctntta nctgcgctnt tcttnaaaca a 571

<210> 3345
<211> 144
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 3345
nttacanggt gcatgagctg tgcgnccttg ggananccttg ctgcttgcat gctctcaata 60
gacactgggg agaggncggt catnatggct ctagcatgcn ttaaaaggcc ccaatncggc 120
ctataatgng gtnggattac aact 144

<210> 3346
<211> 335
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 3346
cggtcgggca atgcgcacaa ggactcttat tcatacaaac cccaagggtt acaaaccagt 60
tattcggaag agtgtgatag ctcaactctg cctgtttggg agaaacacta cgagcctaag 120
tccgaatcac caaagactga ggtgcccaac gcttcttcat acacgatact tgctttcgat 180
ccggcttcca agatgatgaa cgtggcgaaa ctaagtnaaa cgttgcgaca acaaaccoca 240
atgtccttct gngggcttnt cnttttacia aaccagccca agtcttccat tcggttacatc 300
gtcggnaaac gaggggttga gngggtttta ggggg 335

<210> 3347
<211> 103
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(103)
<223> n = A,T,C or G

<400> 3347
nncctggcgt gtgcatcntg tcgagctatg cattgatgca ttagtcaacg acaccaacac 60
agaggaaaag ccgaantacc ctgatcgcca gatgggggggt tca 103

<210> 3348
<211> 244
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 3348
ctctcccgcc ctctgccctc ccctagcctt cctctgtctc tctctctctc tccgttctat 60
tcttggtttg ctttgccctag ctctntgtat ctctgtctat accttgacca acctttaaaa 120

ccctctctcg	cccctgagag	aaacgccttg	gtcctttgaa	cttgtcaatc	ggaatcttaa	180
aagactncaa	tacaccacaa	tcgccatgtc	ccgtaagaga	aagcaagacg	aaaaggggga	240
gctc						244

<210> 3349

<211> 193

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(193)

<223> n = A,T,C or G

<400> 3349

ngncttgaga	actggntggg	ntttatgncg	ntaacacccn	cganattgga	agcactttga	60
cttntcgctg	cttanatcac	tngccaaatg	ttacacccgg	ancttggtgca	tccctgacat	120
tgngggaaag	tgtnaccaaa	cttttgcat	ngtttttagga	acggactntg	tttatnacat	180
gatnccaca	ant					193

<210> 3350

<211> 373

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 3350

ntngaggagc	accccggggg	gggcaggcca	tcctgaaatt	atggggccggg	accgaccgag	60
gagtttgana	tggtgcacga	cacnaggtca	tcccaagtac	gcgccccaac	aggatcatcg	120
gcgggtnaag	ggccangang	gtactntnga	gccttaaang	ntatgtggag	aaacttgatg	180
taacgacggg	gacgcngnaa	aaaaaaaaa	aaagccgcat	gaactttttg	naggtttggt	240
tttttgngcg	aataaacatc	atgggccgaa	aaaaggnttt	ttggnaattt	aagcggtang	300
aacttttttt	ggattggatt	ganaggcggg	atgcattgca	acttnggggtg	naaactaagt	360
tatncaattc	ccc					373

<210> 3351

<211> 641

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(641)

<223> n = A,T,C or G

<400> 3351

ccnacttctt	ctcatgacaa	gctttacttg	tcacaaaaat	acctggaggg	ctaggggtctt	60
gacggcattt	gcaacgatgc	tacttgtttc	gcgatcctga	acaccgacag	ggaaatgctg	120
atatcaaaaa	tcagatccag	gatgacctat	gcacgacgcg	tccaaaaact	tcagaaatgg	180
tgctgtctac	tggcattcgc	acggccgata	ctgtacacac	gataggtcga	aaaggcaact	240
tgttcgagg	tggtggggcg	tctacaggga	taccggagggt	tggtgttttt	ggtaacgggt	300
acgcattggt	ttgcgagctg	gcaatatcgt	gcgcctgctt	gctgcttgta	caanggactt	360
gacactagtc	tttcgacttc	ccggtgtcgt	aacccegnct	gtactgtcac	acccaaggca	420
cgatgcttna	cgccatacca	agtcctcacc	gcntacctna	tcacnactng	gcacccagtt	480
cncgccggga	ttcttgacct	gcncacggtt	ctnattaatg	aattttcctt	cgtttggttg	540
nctttgagca	aangaattat	aattntgcct	tccggggtag	atngcaaaat	ttttattttt	600

tttttgacgg ttancncttt tccgtcattn accgcnttta a 641

<210> 3352
<211> 135
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 3352
gtgaatcccg atgacntgnt gcagggtgc agccgaatgc ngagtctcng agttcaaagt 60
ngccatcaac ccaagtcagn gagacctgcn tgccgcggaa gggtgacaag atattatcaa 120
gatctcggcg cccct 135

<210> 3353
<211> 523
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 3353
cccgaagttc ttaatacggg atccaagtca tggcaataat tctacgatcc atgccccagg 60
aactttcaag tacctgctta aagattgcat aaatcaatca aacaaacctt gcctcggttag 120
gttaaccttc aatacacttg atttgagat ccagaacctt ccttctcgtc ttgttcttac 180
aagaacagcg ggggacacca ctacgaccga aacgcaaacc acatcttctg ttctcacgtg 240
caacagtcga agcactagac ctttatagat aggcttgcaa ctgaagctca cgaaacgacc 300
ttgttcaata ctacagacaa ggcggncaga ngaaactcac aactatagta tggacgaaag 360
tgaaatcgct tggacagctg tcctctacgc agcaagaggg cctcaaccag ttctcaagt 420
caccgnatca agaagtcaac gaagccatcc cacttntgag ggggcggagt ggacgtcaga 480
tcgcaatcgc taagtnttg acgggaaaca agccgntcaa tag 523

<210> 3354
<211> 152
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 3354
ncgcnttatc taatttctgt gcancttgnc caccangatn tctgtccttg actacttcnc 60
atgggcttnn gtcaaacctc gtncttgaan tgncaacgt gccgancacc acaancacgt 120
cgcganaccc acaagatgtt gtngnccggc tt 152

<210> 3355
<211> 245
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature

<222> (1)...(245)
<223> n = A,T,C or G

<400> 3355
atattattcaa ttcaatatgt cgcactctca cgatggacaa actcattccc atgatggttt 60
caatgcgcag gacatggcca ctccatgaga tccttgatgg acctggtagc tttctangtc 120
gcgagatgcc atcgtttang gacaaaaagt ggnaaaaacga gcntttacaat tgggaattgga 180
gntcccgtng gttccggaaa accgttttaa tgntgccctt tccttggttt tccgaaagga 240
atact 245

<210> 3356
<211> 402
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 3356
tgcagttcgc aggagggacc atgtcgaagc gagacgcata tcggctatcc tgcagccaat 60
ctgggacctg ttccaagagt ttggtgaggt cggggtggca tttgcagttg cgaacgagcg 120
tggcctttgc aaagcagccc ctccctcgcc tattcttcct atagatgctt cgcacatga 180
tcgaatccgc tcggtggttg cagacatcaa taaacacttt tagcggccat ctcgaaactt 240
aaggcagtgt ggggagtcctg cgcgctgcac tgctctacat cgttgatgag gttgttgac 300
cgtcggtagt tatttttata cttcagaatg accttttaag cataacgtat aaccgttatt 360
ttaccttatc tcaaatctta tcagcataaa anaaagnaaa aa 402

<210> 3357
<211> 287
<212> DNA
<213> *Fusarium venenatum*

<400> 3357
cgggcaagtg actgatacag cgctacaatt ctcgatctac gaaaaagaaa cgactaactt 60
tacagatcgc tcgcctagga tgacgcgaga gcaaccgtac cgcaccgcac cgccgcagac 120
ggcggcagcg catcgtaag gtcaagggtg agggccaag agagagagct tggacagaag 180
gctagggcaa tgtcggttgt ttaaaagacc caatatacac aagattacta ttcattcatc 240
gcctggataa gggttatccc acagcttgaa gcatttttgt tatcatt 287

<210> 3358
<211> 317
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 3358
taggaagaag cttttactta ttagtcgcat atatgccgac atgtttatatt tcacagaacc 60
tgtcccaaga gccttcaata cgcacaactg acatagaccg ttgtgtagct atattgcgca 120
gcttacgatg atgtaccctt taaaggagaa tctggggaca gggacggctg aactcaacag 180
gtggttgacg gcaaaagtta gctcaagtga agtttgagca gttatggttt ntgatatgtc 240
caacaaaggc caaaccttta tgcatagttt atcgcacgct ntgaccaagc aaatngggaa 300
gaacttccaa gcgtttt 317

<210> 3359

<211> 649
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 3359
 gcacgaacga gcgacgagtt tcaactttaa attcttcagc ttggaagact gcgcagcggc 60
 cattttaaga tgcgattcct tgataattcg agtctgggca agacgaccga aatccgagac 120
 atggaccttt ctctcgcagc agtcaatcga tctgcgcgca ctcaacttta taggcactct 180
 tatggatcga aactttcctc caaacgcatt aatatttcac ctccaagacg gtgtttactc 240
 gttcgacttt cccaataaga tatcgggaacc gaaacaagca ccgacagtag cgacgtcgtc 300
 atataccgcg cttatgaagt tggccaactt ggagagctct atagaagatg cgatggagac 360
 gcaaaatcga cttatggaag agataaataa tatgcttgat gattcaccgg tcgataagtc 420
 agaaacggcg caagaagctg tttctgtcgc agaaaagtat gtgggcgngc aacaacgctt 480
 caacaacttg gcacaaaaag aaacnnggat atctacngga atcgataagg gcccgcgcgc 540
 gaagctatcg cttaanggag agagcttggg gctcaaccgg aaccggtatn ggcaataatc 600
 gagagaaggt gancgcttcg gaagagcttn tcgaanaacc caacaccaa 649

<210> 3360
 <211> 637
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

<400> 3360
 cagcaaacac atgccctctc gtcacatata tatatgtctg tcgccccctc tccattttca 60
 tatcgccctct tttgtccgct tacctatatt ttgtatctac tctaagattt gcttggttaat 120
 aattaatctt gctttacata tttactggat atctatctac tgtccactca cctacatcta 180
 ctgggtccac gagcttaccg atttgcacgt gaaatccact ctacgatctc tcgatttttc 240
 gattctgtac gccagaactg atgctcaaca agccgcaatc gcaacataga tagatatatc 300
 gtcagccctc ccgtataact caccatggcc accgnacaac ttccccgcca gacgcgacac 360
 aacttctggc gccattcctt tctgctctcc accgnccacc atttctaccg agcctgctat 420
 tggcattctg cccttctntc cccatactac gtcagcgagg caagctnttg ncacctacca 480
 gctctgagcc atggattcga atgntgngct acgacaaaga aaaaatatca gaacttgctc 540
 agaattggga agnggnagc tttgagccca ccccggtgnc cgcgaggggt aggtgactgg 600
 gagtccatgc tgagacacga ttngaagggt ggcgaaa 637

<210> 3361
 <211> 196
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(196)
 <223> n = A,T,C or G

<400> 3361
 ncttctgata gggtaggtga taatggtccg ctgagaggaa gtcatntgct gttcttcata 60
 agatgccaac atagcctcga gctgctcttc ctgcgccatc atcatctcat cctcctcagg 120
 gatnggaggg tgttcttggt taaangtcac ggctnttca atatccgctt cngtacttnt 180
 ggagcatcat gtaata 196

<210> 3362
 <211> 289
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

<400> 3362
 natcaccatg gaacnatcca caacgagacn ganagacaat gacnnetggt gctacganag 60
 gccaccnntt gttgacgaag agctntacca tcaccatggn tgatattggc atcngcgaga 120
 aggttacntg atacctggct accaccgatg ggaaattgat ccctatgtca ntctaattgtt 180
 tntanccacc gatgcttacn atcccaangn caacaatgcc natgtgtnag ccnacttga 240
 aagctgtnaa acgctnanag ctgtgcttgc caaagtagca tcggtgnca 289

<210> 3363
 <211> 460
 <212> DNA
 <213> Fusarium venenatum

<400> 3363
 cctttcggcg cccacctctt tgatcctcat cagggcgggcg actgcctgcc tgagaagaag 60
 acggttgctg atcaaaccga gtcagcaca gggagatcgg aagcttccca tcagtaaaat 120
 cataacgccc ggatattatt tcgaacaaa ataggggtct aataagtcga aaccagagga 180
 ctgggctctt tcaagcccat gggctagcca ttgatgggtc ctgtccgaca aagccttcaa 240
 ctcttggtgt tgggtaagct aatttgaaca cagctgctgt cgaccgattt cgaaatgttg 300
 gatatactgc ttctgccgct ttaatggcct cgcgagtaag ttggtatgca ttatttacag 360
 gccgttatgt ctctcctggt ttggttcacc ccggtagata ccgtgcagct gctatctacg 420
 tagtattcca tcaacaaagc ctctggtctt cagaaaaaaa 460

<210> 3364
 <211> 406
 <212> DNA
 <213> Fusarium venenatum

<400> 3364
 aatggacgcc ggggttggtg ccatgagccc gttacatttg tgtcatttgt gcttgatttc 60
 ctacgctcaa taggctgtgc gtatttgaag cagatcgaga tttgaccgga aattgtacgt 120
 ctctgcattg gaaagagccg gacacgccga accgccgtac tatgctggtt tgcagaggac 180
 tggcaaatgc cacacgtgca gacatcaagt cctcgacagg gcacgaagtg gtctagaact 240
 tgacttagct tggaagcgca tgggtgtggtg gtcagagact ggggacgtac cgttttccta 300
 gacatctacg ccgggacaaa tatagaagtt gagcgttata cccgcatatt ataagttatt 360
 acgatcttaa tatatatcga aatctgggaa ttgacacttc aagatc 406

<210> 3365
 <211> 104
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(104)
 <223> n = A,T,C or G

<400> 3365
 natgtcgaga cgatctacat gaagaacntc gaagaactta gttgagngcc ttnattccca 60
 ctacaaaggc ntatctgnct tagacntcn agcatttgc ggtt 104

<210> 3366
 <211> 547
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 3366
 tcanctaataa aacggggccgc angtggggct gggaantttct ggcagatcta attttcccct 60
 tnaatcttct ttttttggtc tggcgaatat ttttcttttt tcggcccatc aactttgggg 120
 gcataactctt ccttttcctt tgggtgggtct tttccttctg gttgggcttc tctttggtat 180
 acttggggccc ttcctgcact atctatcttc ttgattaaaa tgggtggggc ttttggggccc 240
 tggggggggcg aaatcctccg acaccgcttc cttcgaaaaa accctttcta cgctttcgac 300
 taaagatcaa atgatgctca aggctcgcct cgacaacttc cgcgcaagct ctgcgcgcgc 360
 ccgtgtcatt tggacactat acctcagctt tgcttatctc gnttatgcga ncgccttctt 420
 cttgtcgcgg atatgacaac ctcggggcct tcgaatgggg gggcttaciaa ggcggggcngg 480
 tgctcatnta cgtaacgggg cacgaacctn ggtacggact anaaggtttn ggatngagaa 540
 cctaatag 547

<210> 3367
 <211> 380
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 3367
 gggaaattcn tgcaagatgc ggnagggggt tgagcttcat gngggacggg gaacngtcat 60
 atgtatacac tttagataga acccggttaa cccctgtcgt agcatgcgat tgtctaaaaa 120
 gatcatgtca gcccatgtta ttttccccgc aacatcccgt cttcggaagg ncgttgtcng 180
 cagaatgaag atgaatatcc tttgagttct ttttatctat ctgggctgaa gtcccatctt 240
 tgcattcatca tcatcatcat catcttggtc ttctttnttn agcagcttca actcggtagc 300
 agaattttatt gccagaaaac tacgtttttc ttcagacatc caactagcgg ccctctttga 360
 tcaaattcac cccgctcatt 380

<210> 3368
 <211> 164
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(164)
 <223> n = A,T,C or G

<400> 3368
 ntcattatag aaggggattt attttagggg gggaaaggnt atgagatagt taaaggnggt 60
 gattaatngg ttgggatact aaggaattat gaaaatttga ggggaattag anangatagg 120
 tttttaanan gtttggtatg gaatttntgg gaattaagta aaag 164

<210> 3369
 <211> 345
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(345)

<223> n = A,T,C or G

<400> 3369

nctgcagctt	cagttctggg	tcgtcnggg	taatgacagg	cctagtccgg	aagttcggca	60
catggcgtga	gttgagtggg	ggcatcgttc	gccgttccgt	gtggatatac	gacggccgta	120
tctaacgtta	gtagccattt	ggctgcactc	cgtgggtgtg	ggaacatttg	atcctccatg	180
agtgggtgtg	tatgttgtag	ttttgagagt	caatatcatn	ctancgcaag	ctttgctgag	240
aaaagangac	caaggaggag	tgagggtgaan	gatttccgaa	gggcaattgc	agagattgat	300
gaccagaaaa	gtcccgtttt	cagtctagca	gtaaaaaaaa	aacca		345

<210> 3370

<211> 130

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(130)

<223> n = A,T,C or G

<400> 3370

ncccngaagg	aagaaagang	cctaaacgga	gagncgcaga	cttcaganga	agggngggg	60
aggccttttt	natggccgcc	ctgngagacn	aaaagggaan	ngaaggaagg	gagggcnggg	120
gaaggaaga						130

<210> 3371

<211> 106

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(106)

<223> n = A,T,C or G

<400> 3371

ntggccacgn	gaagagacaa	naangggggg	aggagaacan	ggnggacttn	tccgcacccc	60
caccacagaa	ggggangggg	nggccaccga	anggaagccg	cgnggc		106

<210> 3372

<211> 183

<212> DNA

<213> Fusarium venenatum

<400> 3372

gctatgtgag	agtgaaggtt	tacgcgtcca	tcaccagtag	aaacttggtg	tctctataaa	60
cactacgatg	ttgtggaaga	ctgagtagcg	gctgcagctg	cgattgtttt	caaatacaca	120
tgtaatactc	gaaacaatga	ctcgtcactt	tctttgttgc	aacagatgct	ggggaaaaaa	180
aaa						183

<210> 3373

<211> 465

<212> DNA

<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

<400> 3373
 caaaagaaaa aactcggggg taaatacaag caaatccaag cttggccctc ttcgatcccg 60
 tgaaacttgg gaccttcctc tttcttcaaa agggggggtg tgtaacaaat cangacataa 120
 tcctcatcca cttgctcatc ttttttatct atccactatc cccatccccc tcttctttcc 180
 ctctctctta ttctctcaac ctctcaccat aacatcaaac tctcgataac aaaccatgga 240
 gaggccaaac gatatggagg ctgttgagaa gcagcctgac tccgactata agcacatcga 300
 ccaagccccc agcaagggtca gctccgatat cgatgccgac catggnttca cccacgagga 360
 gcagcgagc atcatcaagc gcattgatcg cgctgggtat tactgcggng ccatgtactg 420
 ngctcgctca tggatcgcac cacatgagtg ctgcaacatt ggcgg 465

<210> 3374
 <211> 572
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(572)
 <223> n = A,T,C or G

<400> 3374
 cgggtcaaca aagatcctta caggggagac acatttcggc gcaacttcaa cttctcaact 60
 ctgatttgcg gcgtctgtcg tatggtatca accggtagtc aatcgctcgt cccttggggc 120
 atgttacgcc cccggaagag accgttatca atagctcgag atttgatata acgttgctcg 180
 aactgaggcc ctgccgattg ccggccgggt gttcctggct aattcgagaa ccattgccat 240
 gtctctgtgc aatgccattc gcccttcatt cttcaacaac cttttctggt ttacgcctcc 300
 gtccagagac ctaaacaatgc gaatcctcca atggcaatct gaattgggca cgggaagtcc 360
 cagacctagc gcggagctgc tcaactgggca ctgaagctct gcacgtctcc ttggaaacgg 420
 gtcgggaata ctcgatgatca gcatgagatg gatgttctag acccttagag accaagggcc 480
 tgcgtgtcct cgtgccctga gccacaatgt ctcttggcag aacagaatta ttgatcttcg 540
 cngtctaaaa cgggctgtgg cgcccttcen gc 572

<210> 3375
 <211> 338
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 3375
 ntttaaaaaa ctgggnntgg gaaaaaccng gggtnacnca aataaaancct ttgaaaaaat 60
 tccttttttn ncaggggggt aaannttaaa aagccnncca aacccnttt ccaaagngg 120
 gccgcctatt canccggggg gttaaagggt taccctttaa aaaaaanaa ccccnttttt 180
 tttttttggg gggnttcaca aaggaanttt tttccncccc cggggcaaa gangggaacc 240
 ccctggccan gccctttgt ttnaaaaaaa anttcccggn aaattttccc ggggggggnat 300
 tttggggaaa aaaccggccc tnaaaacccc naattggc 338

<210> 3376
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 3376
 ctccaagcat tccgttctcg cttggaatt tataagtctt ttgtactcga gttgtgtgca 60
 atgatgtctg ggagaacccg ctgttagtat ctgtctctct cgatgcccat gagtttctta 120
 cttcactgat cttagcgcca atttgtgttc tgtatcctca agaggtcgct gcttgcaaata 180
 accaggcctc aaagcgaaac gcaacgttga ttgatattgc cacccaaaga gctgctggaa 240
 cttatctctt tatatcaagt ctcaacaaac ggaaggaact catctctcat aaacttggcg 300
 acgttcgctc agtatcagga cgagcgattg gccgacaaca catatacgaa tacttgtgtt 360
 aaggaatcat cgtacctcag aaatgttctg gatgcgggtg ggggcgtact gagggtagga 420
 aacgtagcga aaagggggat gaccgctctg aatgtcatct ncatacattt ctggtttctt 480
 cagcctcgag aaacgtcgcg atacgtatcg cagcgagctt cggatctctg tccaatggag 540
 cattccctac accagcatca ttgctgtcga catacaagtt cgctagcaag tgctcgatga 600
 aacctcgtgt acctatgttc agtaaanggc g 631

<210> 3377
 <211> 619
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 3377
 ccggcagcga gctcccagcc gttgatcccg agaagactcc ttccgacctc gttactttct 60
 ggcagaccaa gcccggtgag gctgaagaga tgggtgcgctt cagtcaggcc aacatcgtct 120
 cagccatttc agctcagctc gcagctatcc caaccaagga gcgtattaac ccgtccgatt 180
 tgtttctacc agccgattct cttaccaacg tttacaccct tgtggtcaca ttgggcgctc 240
 tctactccaa cgcttctatc gctctgaaact ccgtcgccgg caagtcacca gacttgggtc 300
 tcgcaactca aggtgttgct cccacagttc tagtggctag tcccgagaca cttctcaaga 360
 ctcacgaaca gtccacattc agacttggct tcgcttggca acggctctca ggtatggcta 420
 ctcgaaactt ggcttggang gnggccactn tcatcaactt ntntcgggtt tttagggcat 480
 cccatnattg ggacaattct ggcaacttgc cnggatttgt ggccaaccgg ctggtctggn 540
 actctttccn gctgcaaagt ctggctggac tggcatttta cggggcaana ttgggntgct 600
 ttaccggggc aaggtgtgg 619

<210> 3378
 <211> 291
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 3378
 gctttaaagt gtctctcacc cccgccaaac aaccatgatg gcgtngcgac gactcgacct 60
 atccctctcc ggctctgccc gtcgacctct aacatgttta ttttgcaat ctcgacggtc 120
 cttcaccacc tncgctcttn ggctagcgag gactggaaaa ccaggtgctg gcgcattctt 180
 agatncttag cnaatggtgg ccaagccgtc gnagcttccg naactnttgg aaggganaca 240
 agggcntttt gnctaaacn ttctttggcc gatnggttgc cttaccgccc a 291

<210> 3379
 <211> 609

<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 3379
cgatcaagat gcccgtttta ttcttggtga tccactcggt tttaactatt tcgttatagt 60
agaacaattt tcatcgtcac gatggcgaga aaccggacat agtgaaccga caacggcgag 120
ggtctcgcat caattcaggt attatacatc atcagagcag ctttttcagc ttttaatcac 180
attagtgagt agacaaattt cggcgccatg tctatctagg tacatgatcc gagttgagtt 240
tcttatccat gtctgccagt gacaaaagtt gagatttatt gntacccttg attacagagc 300
agacacagac acagacacag acacaaccct gcttttctgn tcccgataat ctttgatgct 360
naaacagcaa caatctgcaa cgcacgacaa gggcctttct tggggccaga aaaaccacg 420
ctttgctgnt tcatgatatc ggccgtaatg gcgtgtgcc aagaacccca ggtnttaagg 480
gggaagaatt nncgtttaat tccggctttt tnttcgagga ggattcctat tttnttccca 540
ggtntttgga ccaggattga agnttaggtt tatgccacct ttgttgnctt gagnccaaaa 600
anaagcccc 609

<210> 3380
<211> 156
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(156)
<223> n = A,T,C or G

<400> 3380
ngagaccgna tgcaatgaca aatggaccga gatgaccctt ctnnacaaga aagctgatna 60
ctggattgct tnggtactga cgncccttta cttaggancc cntggaacca acgccnctgg 120
cncctggggg gtgtttattg ggntggttgg cagagt 156

<210> 3381
<211> 623
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G

<400> 3381
aatcacggct cattcttcat ttggtaaaga gtatcttgaa tcgtaccagt gattcgtcta 60
cttttgccct gtatttggtg tatccctata cgaagaacac tacaacaaat ctggcgacaa 120
gctcgggtatt tcaaggcttt gcctatttcc ccatctcatg ctccatcccg agtggcctcg 180
aaacaccata acctttggtt attctagctc aacaaacaca aattgctgca gcgacgcaag 240
ttaccataac tttgccattt cacccttgga cttgccgaca agtaatcgcc ccacgtgaga 300
agcgcgactc cgcaccgttt tccaagattc tgtccttcaa gccataaacg gaacttcaaa 360
gcttgcaatg gcgactaatt cgaacactct ccctcaaggg ttctctgggt tcaaccgctc 420
ttggcgctca gctncagttc tttcctgcca tcggaacccg ggagctcgac gagctggtga 480
atgcttacat cctggcctgt tccacgcagg agaaacgtgc caccgtcttt tcgatacttt 540
gagttgcgca cctgntggac agacattaag tctatccgnt ancacttccg ttctgtgaat 600
tcctntggtn tagccttcag gan 623

<210> 3382

<211> 628
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

```
<400> 3382
cnncacacat gctnttcctt gntnatcggg gacacgttaa gcgactgcag ntctacctca    60
tcaatcattg gtttnatcac tctccagcca aaccgaatnc gttctaacac ccncacaaac    120
aggtttcttt gntataccgt cccaagcctn ttgggttcccc tcaccaaaaa tcccttccct    180
gggtgtnggtt tgagcccatt ttcgactcct ttcaccaaca aacttgagct gatcctcccg    240
agtacagttc gtgcttactg tgactganaa attctgttat tcataccaag acgatgtccg    300
accagcctgc gactgtngct gttcccacng accggtncga cctancntct gccgntgagt    360
cagcttcagc gccgcagaca gagttagncc ngctgtgat ccacacgatg gtgacgagag    420
tgaaactgan tctgtctggt gtgatgaccc gtcagctgca ctgggttncat cacatcgagc    480
atTTTTttnag tattgtntcta tncaaggcg aacttttaac agggatatga caccctatga    540
gtacttactc taacgatgag caacaatgtg catcgnttgc atcaaccatt aagcttgacc    600
tactttnggc gggaagnttt tcttgenc                                     628
```

<210> 3383
 <211> 704
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = A,T,C or G

```
<400> 3383
tttttttttt ttttttgaat gagacatact ctattataca ccttgatacc ctacatcgct    60
gtgagtttct aatccaaaga taacattagc tggccacctc atagcttctt cccattcctc    120
cccaagaacc tccatgatat atcctaacag cccgcttggc caatctntaa ggcaccagtg    180
ctccttatag aaactnatta aaacagtaaa atgacaaaaa tggngagtgc cacgggatgt    240
ccgctgaaca taaatctaga aagacacgat ctatctcgag tccccacccc aaataccttg    300
cccggttang gtctncgacg ttgtccgana gcattgaatg cggcgggaaca gtcttgaacg    360
gcgtgaaggc atgatgtcct ctgttcccc acacaccaac ggctatgcat tcccagagag    420
atgcaagctg tggatacctt acttcgagat ccctttgagt attttggtga ttggcacaaa    480
ttttgtaaga agcccgattg tgagacacta tagggcgcaa gttntgttgt acaaacatca    540
aggtagaacg gntaaattga agtgccctta atagcttctc gacagggtcg aatgngccaa    600
anaccggact tccggggggg cgaaacatag gttccgttcc gnattcantg gaagtgaaac    660
ttgaaaatcc cacagggtt ggtggngcgt ttgatctggg gact                                     704
```

<210> 3384
 <211> 358
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

```
<400> 3384
tttttttttt tttttttttc aatatgtttc gacttatata tactctaaac taccaactnt    60
cogtntttta aactntcatg attttaactgc aatcattcgg caacagggca aanatcatag    120
ttgccattga cattgttccc cccccagntt gggaaaggat ggccagaacc ccggcccgaa    180
```

gaçagcaaag	gagaggatga	aaagaacagt	gagacttgcg	ccatcaaaag	caccagtcac	240
caggtncgag	tagtctntaa	anaccgcggc	ggtantttcg	gaggtaganc	tgaacgaaaa	300
aagccagaga	gcaactgnct	gaanatnacc	aagtttgnct	ntgggtgtaa	gggatggg	358

<210> 3385

<211> 270

<212> DNA

<213> *Fusarium venenatum*

<400> 3385

cttcagaatt	gggtcattgt	gaactttcgt	aaagccaaga	taaatcttgg	taatttagac	60
gaggcgacgt	tggctgagat	tagccagctt	gtgcccattgt	atgaggatct	aacatcatca	120
cacaaggttt	attctggctt	caatctattg	tatccaggat	attagtcgaa	atgggtgtttg	180
acgcctactt	cgtcggctta	acagcaagag	cagacacaca	tttccgacaa	ctggaaaact	240
gttggtttat	acccagccac	tttgagaagc				270

<210> 3386

<211> 534

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(534)

<223> n = A,T,C or G

<400> 3386

gaggacatgc	atgctgcatc	gcgaacaaga	accactaga	cctcatgggt	aaaattcgat	60
ggtactatgt	actcaacatt	cccttgtcga	caaatgtgct	gtctgatcac	tcagccttat	120
cccccatctc	gttcgatctc	gaccggacc	agtggcgaac	gttttgctcg	acggcgaata	180
ctctcgcgtt	acatctctgc	atcgagacga	gtcttaccga	ccgttttgaa	atctccccgc	240
gccgtttctt	tccatcttac	aaacatttgc	cttggcgtct	gattcactca	tccttgcccg	300
tttatgtaca	gtacattttc	acgaactcgc	cgactactaa	gccgcttgga	cgcttcagcg	360
aatcttgatt	ctgggccaan	gntattcttt	ggccaataga	nntccctgn	cctcttatcc	420
agccctgcc	ttcgtcgaat	tcgcactcgt	ggctcctancc	cgttgtcagg	tttgtcagct	480
tagatcacga	tngcatngtc	catacagnta	ctaccatggg	ttttccaact	ttgt	534

<210> 3387

<211> 655

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(655)

<223> n = A,T,C or G

<400> 3387

aaaactttcc	cccgccgatt	accaagtaaa	cctattcaan	gggcgggcgg	gtgggccc	60
cctgggtggtg	cttggcccag	ttggtccgcc	cagcttgaag	tggttcaatc	ccttttttga	120
aagccctctg	gtgctgaaaa	taatgggaca	cgctgatggg	gtgaaagcaa	gaagatcatg	180
tttgccctgac	agggttatct	tacattgcgg	ggcaagacgt	ctatcaacat	ttctgtcttt	240
tttgcaagcc	atgggacgct	ttagtcgatt	acaagcacat	tgcacaacca	cagttcacct	300
ttcagttcta	ctcaaggcag	acngntctat	agaagccgca	agacgaaccg	acatcctggt	360
tcttcgataa	ccacaacatt	gaccaagtta	catcgtcagt	gcgccaacgt	actggctttt	420
cgctccgcta	ttcgttccaa	aaggacacca	gaaagacctt	tcngtggtat	tgnaaacatt	480
tcaagaactt	ctttatgcac	agatttncat	gaccatgtct	atgcctttcg	tgggngtgga	540
tggancnggg	gcattgggaa	ttttcaagtg	gactacaaca	aggtcaaaag	gctcagaatg	600
tttcttttca	cttcttcgac	tttatnggtt	naaaccactc	aattaccggg	tgggg	655

<210> 3388
 <211> 220
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(220)
 <223> n = A,T,C or G

<400> 3388	
tggccaagcc catgcctgct atgtccatgg tgtttggctcg acgacaagaa gctgtgtcta	60
agagctggag tgatatgtgg gacgaggatg aggaagagga ggaaatggaa cagcagcgac	120
aaatgctaca ggagctcaac gccaggactt ggagccagga gagcaaggag gagaagaaag	180
aagtnnagaa gatcgcattg cgaaccttga cccttaaccg	220

<210> 3389
 <211> 509
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = A,T,C or G

<400> 3389	
cagatgcgaa ctcggcctct ggaccacagg catgtggtca tacctgtaag cagcgaaccc	60
tccttacgaa ccggcccagg tatactctcca agcgatcaat taccgttcgc ctcggccaca	120
acaccggaac attttccgac ttctggagac aactatagga ttttttggac accaggggaat	180
cacacaggat atagaggact tattgctcgg cgctcaagga ggaggactta ttttttcttt	240
tattttcggc acattgcttg tccttcagtt gacaggcggc tgaggcctag ggacaaccaa	300
aactcatagc caccaacatt ccgttggaac acctaacgcn taccgattaa aaaccggnat	360
ttccccggtg gttttattac aggggctcca atccaagacc caagaaaaga aattgaattt	420
ggcggttttg gatccncttc aaanaaaacg gatngccaac gttgtaattt gggccttgcc	480
caccattggc ctattttctt tggnttgaa	509

<210> 3390
 <211> 612
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 3390	
attctttcca agagaccttg cctctaggaa aggcaggcgg tgaaaatagc ccaccttttag	60
cttcataaat tctgccaagg tagtcgcaaa gcgactagct gccgtcttcg gcgtcatcta	120
taatcaaat caatcagcct ggacaggcat attttcttct cgatagctat gcagtatcat	180
ccatgccatg tctagaaggc catttataag aggcctggcg ccattcatc ccagacttta	240
tcagcgaccc gcgcgttcgt tcatttttctg actaccaacc tcgacttgca ctgcacaaac	300
atgtcgtctt ctatcgacaa cctctgcccg ccgaacctcg gaaattcgca gcattgcaga	360
actaacaat agaataaacc cacgatcctt caaagtacca aaccccgat catcggttct	420
atccttaact ggccaagctt cccaaacctt ttatatcaca agctggactc agatcagttg	480
tcgacncgtt gcaagtttcc acatacctta caanagtntc cgaggnaacc ttgggtcnac	540
ttgtttgccc aacctgaagg acattngttt caattaagcc tnaactttga tcaactgggg	600
caaggtgacg nt	612

<210> 3391
 <211> 611
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 3391
 tcgaaaacta acttctgntc cntgggtttgg gtncatcttg tcttggettg ncttgtcttt 60
 aaatactntt gacctttcct cgagctgtct tgacgtcgac gttacagccg ggtatcattc 120
 attcatatcc atcaagctaa cacaacacct cttttaccgc cattactacc caacaacttt 180
 tattcactct accacttgag tttatatatt gaacgacaga atctgaactg gatgggattg 240
 gatattcttt cgacactcta tcatntactc atcttaatca acgatttact agaatcgaga 300
 cttttgatcc gnttttctact tcacaatgtg caactacatc tataaggagc tcagctggca 360
 acaccactac cacttggtgg aatcatgggtg cccaagtaca tcgagactga acgtcgggtg 420
 ccgccaccat tgtgagcaag cagtctgggg tgacgacatt tgtgctgcct gccgagaacg 480
 ccacaaccaa gtcaacaccc atgggcttag cttatccacg tccgagtnan gcatgtctac 540
 tttcttaact ccgagcatta tgagaacgac acgacnacga ctccggcagtc cagatgtgta 600
 ttgacnccac t 611

<210> 3392
 <211> 194
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3392
 catgatggct tctaattgat gcggaggcgg tgcaccagaa tggtaaaaat ggtatagata 60
 taaacaagga gttggagtag attacatggc gtttggggct tgagggttggg tggtttggga 120
 tgtttttgtt atgatgatgc tatctgaata gatatatcga ccttcttcaa caatatagaa 180
 gaaattcaac gtgc 194

<210> 3393
 <211> 310
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(310)
 <223> n = A,T,C or G

<400> 3393
 attttacatg ttctcatcta aataccgtct cttttatcac atcagacatc atggctgaag 60
 cggaacagtg catcatatgc ctggaccctt tacctcgacc ttcggctccc ctccaagctc 120
 cagctgccct cactatagct gcgagtgatg ctgcttctgc tggtagtgat actggactgg 180
 gtattggggg ngtttctgcc gatccganc cagatctgatc cacctttact tttgagtccc 240
 gcctattcnt gccacaacca ctacagccac agaagttttt gnggacgttt naaatttttt 300
 gaatgttgcc 310

<210> 3394
 <211> 220
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(220)

<223> n = A,T,C or G

<400> 3394

nattaatggn	ctctggggnt	ggtggtgata	atataccta	actnaatata	tanacgggtg	60
gataaatgta	tatacaattc	atatnatgac	aaaacatac	cttgtaaata	aaaagatcaa	120
acgccccctg	caatttcagt	acatgtcatc	caccttctg	gcggcngtca	ttntncatat	180
aaagggccaa	nctgcctatc	ccnancgaa	ttncaatata			220

<210> 3395

<211> 125

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(125)

<223> n = A,T,C or G

<400> 3395

nccccacaac	ccgcttagga	acaagggggg	gcttnttttt	gggatntgca	ctttattgca	60
cggtattgtc	ctantagtag	cttatctttg	gttaanttga	tacgcnggat	tcgaccacga	120
ccacc						125

<210> 3396

<211> 485

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(485)

<223> n = A,T,C or G

<400> 3396

gtcaactcac	agtgttgtct	gtactatacc	ataccagtcc	tatcggtaaa	gtgggagcaa	60
tggaacatcc	gcaacacgtc	aattcgtcaa	cccacatgcc	gacatggcag	gacagcaaaa	120
gcgataagac	tgccggcatg	tcttttcggt	cccaattccc	atcgctcgtc	aagagtctac	180
aacctcttga	cgtagacaga	atggatctac	gatgcctctt	tgccaacaga	ctcttgcccg	240
tcgccttttg	gctaccatgg	gttgtgagca	tgatcatatc	ctgtatccca	ttcacccgaa	300
ttagtttact	cgaggcccca	gattccttat	tttggtgcg	cttggtanta	tcgtcaaaant	360
ctcantatgt	cgcagtcttt	atctacacat	ccctccgcac	cgacactgaa	anaaacagca	420
tcttcctaaag	aaaaatgtct	acaaaccctg	gttcnggggt	cctttttaat	aatccctttg	480
gttac						485

<210> 3397

<211> 598

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(598)

<223> n = A,T,C or G

<400> 3397

ncctttgngg	tctgtcactc	gctcacttcg	aagtcaaata	ccccgacaca	atcggttcn	60
aagacgacna	cgaagataag	ttcccatg	gnggtttnac	ccccgacctc	tccaaagata	120
aactngtcga	tttccacgtc	ggaggcgaag	ccattgctct	tcgttccact	caccaacaag	180
gcaactggct	tttccgagtt	actcttgatg	aagaggcctc	angcggttgg	gaacaggtct	240
ttcctatcgt	tcagcagagn	ggnctcggtg	atttctgtca	accccggtc	acaattccga	300

gaaatacgtc	ggcaagaagg	gttgggtgaa	tgttngtct	tcagcaagtt	gatggcttct	360
ctaccantgc	attgctgcc	atttcgtcaa	gggcaanggc	cgatgcgccc	agccagtgc	420
agaatgcatt	ttcagtcaca	gcatatttca	cncgacgacg	acaaactttc	tgccttgtgg	480
atggcgatc	taaatcggag	gagtccttcaa	ctggtaacngg	cacaaacact	ggnttaaaaa	540
gggtntttta	cagaaaccaa	agattcnggt	gcggggcccgc	aatcttggtc	aagccacg	598

<210> 3398
 <211> 1333
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(1333)
 <223> n = A,T,C or G

<400> 3398						
cgcattcggga	tcttacaagt	ctccgttacc	gacccgagcg	aatccttcca	cttccattca	60
cacacccgct	gatcagagat	ctagtatatct	ctctgatcga	ctcgactccg	actcggtaga	120
aagagtcaca	tcacagcaag	aacccacgga	acttcataat	ggccgatctg	ccggcaaaac	180
gtggggaagc	gagcagagat	atcccacgtt	tatttcctag	ccccgaagga	tccgtcgc	240
tcattcatgc	tcattttatcg	cagtttgaca	taaagccgca	aattccgttt	cattgacgta	300
gttgaagctc	aacccgtgct	agctttcaat	ttgtcaggat	atcgcatcga	taccttcaaa	360
aacaaactcg	cggaagcttg	atacggacgg	ctcggcacat	gccaacccgt	cgtccctcaa	420
ctcaaataga	ttgatgacgt	gaatattcga	atcaagttga	ccatgtcatt	tgtaaaaaag	480
acaaaattac	aaaagcagac	cacaaaaaac	aacaccacag	ccgtgcggtg	ncaggcacgc	540
gagttcataa	cgccacgaaa	ctacgtcgtc	gaacccaaaa	gncatgcgct	ctcgttttct	600
tcgctggaaa	gagatcatct	atcgatcaca	tatctcgctt	tgatacccaa	gtaatcgcg	660
gccaaaaatt	cccaactctt	tctgggtatac	acacactttc	gccatcgagt	cttggctttg	720
tgggaattta	ccgtcacttt	angggatg	atcgatcttt	ccaaatttcc	cgatccaacc	780
gtctagtcta	tactagaac	ttccgagggc	actttcattc	agatcggtac	cctcagtgac	840
gcaaaagcga	ctcaaaaatg	cgaaacacat	actcaaatgg	ggaaaataaa	atctctttgt	900
ttaatgggtc	aagaagtttg	gtgatgcata	cacatgggtg	tttcgcagtt	ttacaaaact	960
ccgaatgatc	taacatcagc	gattgggccc	ctagacgatg	gatagagcga	caacggttag	1020
catccagcaa	tggatgtcac	tgcgggccgg	tctatttcta	ataacatttc	caagtgattg	1080
gtattagatg	acgccaaaagt	ttcttctgtc	gcatttcttg	aacgaacaac	agtgttacc	1140
tgagaagtca	ccacacacac	ctgacactat	tgacgtcgcc	ttntcaccaa	cctcgacagc	1200
tcgaatcgaa	gattgatcca	atcanggccg	attatagggg	ncccttttng	tgggggggct	1260
agttctntac	cttttcctta	aactcgnntt	tggagccctg	gtttgggatt	ngaattntag	1320
ccanacagcg	gga					1333

<210> 3399
 <211> 122
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(122)
 <223> n = A,T,C or G

<400> 3399						
nggctggggg	agcaccaatt	atcacactgg	acnaccgaat	gnaacatgca	ccacaatggg	60
tgacgcgggc	atgctgaact	naaaattcaa	ngantggggc	gagtcnaaca	aggggggcaa	120
at						122

<210> 3400
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 3400
 cttttatcaa acgatgttct tgaacctgcc ttctgccaga atccacttgt cgacaatgat 60
 tatgtctttg gccaaagcctt cggacgctac tggatatatgg gccctgcctc atcctgggca 120
 ttctgtagaa gagtcctagc tctggttgga aaacatcttc cagaagcaaa caacgatccc 180
 ccgccatggc atctcgacgg agtcgcattc cgtctccaat ggagaccctt gatgcctgaa 240
 gaacatcccg atatctcgaa cctacccccca tcagactacg cattctttct cgtacagact 300
 gcaagattct atctcgcccc ttagcaagcc ttatcgatga aactgaattc cttcaacatt 360
 ttaaagagct ttaccaggat gcttcaacga aggcagcatc gtgcaaagct gtggtatgca 420
 caatatattgc tcatgatagc gggtgggaag gcgttccctn gcnggaagag tgccgatgga 480
 agtccancgg gttatnaagt acnctgggtan ggctatgcct nttatgnctg agctggntng 540
 gatggcctan aatccaatnt ttnagcacag gcacttactt ttg 583

<210> 3401
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 3401
 ccgacccact gatcttttagt gatcggttcc acgcttcgag attgttctgg aacaaaggct 60
 ggcaacgtat tcagaacaac gtttccacac cctggcgctc taccaagtgg ccattgggga 120
 ctcgatttcg acaggtcttc ttcaacacag ctattactcc cgctaaacgt accattgacg 180
 tcgctccttt cccatcacac tttaacaatct gatggtgtag ctcaattccc aaaaaatggn 240
 cgcccagaag caaagcttat tcaacgatca gttattaaac ctgacatggt aatttttagca 300
 actggttacg ttccacactt tccctttctc aacacaaaat acaacaccgg ccgtcgaccc 360
 taccctcgat ctacgatgc ggatgtccgc cagggtctgg catctaacga ccctactggt 420
 ggattttattg gcttcgctcg actggaattg gtgccattcc ttctttggct gagaagcact 480
 cttatgctct tngntactca ccttctnaac cgagtccacg aactcttctn aaagggtgatg 540
 agnggnatta ccgggnaatt catgccccgg ngcgcgaggt anatatgggg gtgagcacca 600
 aaggtacnca taccacntgg ccaaggnatt ggaca 635

<210> 3402
 <211> 640
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

<400> 3402
 attgtgacan acaagtacac aaagtcccat attgacttgc ttgtggaaga ggctcgcct 60
 cactctncgc cttgcgttcc tccacaacct caaaatgcc a tcgatttggc tctcgcttc 120
 atgcccaatg agattcagga tgggtgggcaa actcccgac cttttganga tatgcgtcgn 180
 agaatgacgg gcctgggtgt gccaaagtacg cctggttcgc ccatgtctnc cgcanggcca 240
 aggggtatth cgaagcgaaa gaanaaggan aagaagcgcc gttgggtatg gacaatcngg 300
 caagaagatg gcnatgatga tgagcatgtg ggaggttcta tcgctgcttt gagggctgag 360
 gcggcctaaag gcgaatgatg ctgatnaaat aaagaaacct gtgaccgatc nagatcttcc 420
 cccttnactt ttntacaacg ccgacaccga gcaccgatag gtttgaaagc tttggatagc 480

atcctatctt	gagaaccatg	atattgnnga	tgtccgatnc	nagcaggtng	tcttacaata	540
ccccgaagaa	tcttccacat	gacttcagag	atggatcttg	gacatcaaga	ccccgtcgcc	600
nacangattg	atggggaaaag	ctcaaaatctt	ntcctnctcc			640

<210> 3403
 <211> 120
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(120)
 <223> n = A,T,C or G

<400> 3403						
naagtggcnt	gcanttgaca	cccgcggtca	accctataat	aacacgcaat	ncgaangggc	60
tacgcttatc	acaacatttg	accaagctaa	gcccgttcat	gatggnnngc	tcaaacatgg	120

<210> 3404
 <211> 585
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 3404						
cgaagatgag	gagatggagg	atttcgagtg	gtctgaagca	attcttactc	ctgtccccaa	60
gacacctgct	ccagaggcta	ttgcacgata	cgccgccaat	ctcgacctcg	agtcggcttc	120
cgctgatgat	gatgacgatg	atgatttgga	cgagtcaccc	acgaaggatg	ctctcctgat	180
gcgaacgtgc	cccccaaaga	agtccatccg	tgagatgggc	gctggacttc	tcagccagac	240
caaggatgat	ggtgttctta	tgcgactcat	ggctgcacga	cgcaagagtc	tgcagtttgc	300
gcccaagatt	ggtagtcctt	tagcgaggac	ctggcagtaa	tagactggat	atgggtcaang	360
tgggaataatt	gtacatggac	agggtttgat	cccagagttta	tgggttcata	ttaaaaatttg	420
ctgtcacacg	gcatggctgg	tacaatcact	catttttgcc	atagganggg	ataccacg	480
gaacagacag	gaccttcgnt	gggccgtttg	gtgggatggg	atttgctgga	tactttgttc	540
acatatattga	gagctggtca	cttaagaatc	ancattgttg	attgg		585

<210> 3405
 <211> 206
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(206)
 <223> n = A,T,C or G

<400> 3405						
ntatcatggg	acacaagtat	agggcacctt	actcttgccg	tctttnttgg	ccnctatncc	60
agcgcatanc	aaaaantcan	ttactgattt	tnctagggaa	anacaagcca	ccaaccccan	120
tttggcngct	tnctattggg	actccagngg	cngagccata	attnaggcag	aaancgggtcc	180
tgttttggtc	tgnncccttt	ggccgg				206

<210> 3406
 <211> 408
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(408)
 <223> n = A,T,C or G

 <400> 3406
 gaatgatcga cgattttttct gttggtagga tacggacggt caaatcacga aggccattgg 60
 tctcggattg gttctcagct acattcgctg taagtattgg tccgtaaagg ggcttttttt 120
 ttttttttgc acctacactc caagttttct tgagttagac cagccagatc catgaataga 180
 tcggggccgct cctaacaggc ctctggctgg atgttgntct ccggtataca ccaaggagtg 240
 gcagatattt caatagctac ccaaaagata ttatgccccg nctcaataac agttacctcc 300
 ggtgtaatgc taatttttgg tgccaggcaa nacactgcct ctgacgtggt aagggtggtga 360
 gantttttga tcggcggtag ttgcaaaatg ntggccggtt gcaaaagg 408

<210> 3407
 <211> 379
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(379)
 <223> n = A,T,C or G

 <400> 3407
 caaagcngct atattcttgg tttttctatc tttgctttgc ctcagccctc gcatcatcct 60
 ttgactaggc atgttcgggg gatgatggca ttgtttggtc tagtctaata gggttctgtc 120
 tggactgaga ttctcccccc cttttgggcg atagagtcgt cgagaagcga cggcaatggg 180
 gtctgacatg gcatggtgaa ggaaatggga tttccaagtc gagattggca ggatcgntga 240
 gataggatga ctcttttnac gagaaacgga ctggttgctg agcagggggc gtggtgaatt 300
 ganaaggttt gctgtgtcat gttgagttgt gnatatactc cttatacttg natagctctn 360
 cggtccaaan cgaagacct 379

<210> 3408
 <211> 651
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(651)
 <223> n = A,T,C or G

 <400> 3408
 gaacttctgc aacattctat acattaccat ccatcacagt atcttgaaac tgcaatatac 60
 ttcttggtcca ctcaagccaa tcctgccatt catctggcaa aattttctca atcgctctaa 120
 tctctctaac acccgaatcc ccaatccacc aaaactcact caacatggac aatagagcaa 180
 agtaatacgc aagaataaca agcgccctcg gacgaagctc ctccaccaga tccgcaaact 240
 tcggggcgcg catcataggg aaaacaatag ttcgtcgtcc aatactcttg ttgatatttt 300
 ccctatccat gaaattccgt atgcgtccta tgagactcag cgctctcacg tatgcatctt 360
 ctgtttcttc atcccacggt tcttcaacct cgtgaggttt ctctcggtt aacaagggtt 420
 ttaaatacgtc gggtagttca ttactatcgt tgtcctctag aagatccgcg gcactttcga 480
 tcatctnngn atactaccga ctgaggggta tcccgtatga tatccacccc ttgcggaaga 540
 acgcaagant cgtccctgga ancncaaaa gggccaccgg gaggggttat aagggtccan 600
 cgagcnacnc ttgaagncca atataaccgt aaaaccnca cgattccttg a 651

<210> 3409
 <211> 184
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(184)

<223> n = A,T,C or G

<400> 3409

ncgcgccctcg	aaggctgggt	ctgctgnatc	aaaaggccga	cgcagcgata	ccatnaantg	60
caacgggtccn	gttaaggggtg	ccatcctaaa	gcnttnaaac	tacacatact	acacatacga	120
gagtgtgnct	aatggatgca	agagttacct	gactttcaat	ccttacnctt	cggcctatgt	180
tttg						184

<210> 3410

<211> 576

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(576)

<223> n = A,T,C or G

<400> 3410

gcatattaca	acatggccga	caagatcaaa	gaccttcttg	cagacgacag	cgtatctgcg	60
caagatgctg	cgcggaaaat	tacaagctct	tgtataaccg	caattgagaa	gaacgaagat	120
gcgtccaaaa	ttgaggatga	gctgtatgcc	ctctggccgg	gcacccctcac	cgccgccgag	180
caaacccttc	atgatcgaca	agataagcta	gtgcaaatta	tgcaggcgat	aaaggaactt	240
gcaccctccg	gagacaaggc	caaaaagatt	gttgtttggg	ggaatgagac	acgctgggat	300
gcgcttcccc	tggtcggctc	tacagcacga	gatgaacttg	accgtgcgca	agaagatctg	360
aagactcctg	tgtaaaccatc	aacgcattct	tcgcccgtat	caaggctgct	ggaattgatg	420
actttactct	ctacgccatc	tggatcttgc	gcgatgccat	tgangacccg	ccgtgaatga	480
gatcgacaaa	aagacttcac	ccangctatt	gaaagctgcc	tcagtttggt	tcatttacgc	540
tggtgattca	ttggcaaagg	cgaccaaaga	aggaaa			576

<210> 3411

<211> 624

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(624)

<223> n = A,T,C or G

<400> 3411

caaaacaacg	ccaccagcat	gacactcatc	aacgttcaat	ggacctatct	gggaatcacg	60
ctgctttgcg	ttgccctcgg	tctcttcttt	tattacatgc	ctcttccgga	agtcagcgat	120
cgcgagctgg	agcaatccgc	gacgcatctt	cccatggatc	ctcaaaaagaa	gagcagcgac	180
ctgcaactac	gcacctggag	cctgatTTTTg	gctgttcttg	cgcaatacgc	ctacgtagct	240
tccaggagtg	tttcagtatt	tatttccgca	gtctcatgat	ctccatactt	cccaatcaac	300
ctaacagtgg	cgagaaagcc	gcacaaggcg	ctagcgacat	tcctaataccc	gacaagccac	360
ctggcatcag	cctctctata	cccgaactacc	tacttattgc	gcataccgcc	tttacggnat	420
ctcgctttat	ggcagcaggc	ctacatatct	ctctgnatac	cgtcccgtct	ccccggcctn	480
cactattcta	ccgctgcatc	gctggggttt	cctcttcgcc	ttctccgtgg	tgcccgtcac	540
ccaacccaac	ttctgggtatc	cgatggcctc	tctactcttc	anggactata	accocctatTT	600
cgtattggct	tccggcaggc	cgac				624

<210> 3412

<211> 623

<212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 3412
 gggtcccgcc gttgctcagc ctgcgctatt acccgctgcg cccatctcct ccgcagcaat 60
 gactctggac aagtccaaga agcgcaagcg gtgagcggcg cctctcccgt gtgggtgggt 120
 tccgattagt agtatgtata tactgggata tcaaagcaca cattgccgtg tctttgcggc 180
 atttgtacac cacttatgat tgttactcag gagggcgtaa taacgacggt cagttgacca 240
 ttacactcct tatacggcgt ttggaagaaa tattgcgagg ctaactatca gccccttgcg 300
 acagcctcgg ggatgtatgt ggaggagtgt tgaagaaaca aggtgcggta tgggaaagga 360
 aaaaggggcg cgcggattgg aaaatctccc agagggttaga aggacatcaa agaaaaggca 420
 tatggatggt ttatcgtgtg cctgaaagcg cacaagcggt aatgggtgat ccaaaagagg 480
 gtccgcctgg atgttcanga atctgcccac caacagcaca aaaggagcgg actggtttga 540
 cagcgggtat tgtttctgat tggtttcccc tgggctggaa cttttctata ctttggtacc 600
 tactcgttta aatacacata ctc 623

<210> 3413
 <211> 182
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(182)
 <223> n = A,T,C or G

<400> 3413
 ncngtactgn cacgggtggt acaaattgna naatgcgacg agatgaacca nacttagtac 60
 agactgccng acggtagact anttnttacc acagcggtat ntacgntggg ctgtngcgac 120
 ccnaatgcan atgaggagaa gaagtagctc acgccattca gntgtcnatg aaaaccaata 180
 ca 182

<210> 3414
 <211> 122
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(122)
 <223> n = A,T,C or G

<400> 3414
 ngctgttnac tttggnccn gatgactacg agcnanccac cgattcnctc taanaaaacc 60
 cnactangaa ntactgtct tcgcacccgc ttggatgtcc cacnacataa tacgctatga 120
 ga 122

<210> 3415
 <211> 197
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(197)

<223> n = A,T,C or G

<400> 3415

ntagaacaag	aggcgaaccc	gatccnagca	cctacacctg	gcgaaagagc	aacccttacc	60
tattgmnngg	cttacgggct	ggagcgcgct	aattacccaa	agnaaacttg	cttttcttgg	120
tncaaagtgg	cttttttnaca	agcanactat	gcngagttgc	cttgcaanat	ccttaaanta	180
tgggtntnca	aaggggt					197

<210> 3416

<211> 114

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(114)

<223> n = A,T,C or G

<400> 3416

ngaaacaagc	gaaangacna	aaggacnatg	antcaggaat	ggccggcnaa	aaacananga	60
cggacgccag	gagctggaaa	tcgcattggg	aaccgatcac	attgngtnca	gaga	114

<210> 3417

<211> 485

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(485)

<223> n = A,T,C or G

<400> 3417

cccgaagctt	ggacggttca	ctacctggct	ccagctctac	tttcaaccaa	gtctaataca	60
cattcacatc	catattctca	ctgcaacagg	acagcatccg	tacctggaca	gatgaatggg	120
ctccatagac	ccggctattg	tgtcccgggc	tcattatcca	gcgtgacgag	cttggttcaa	180
acgctgtgct	gtgctggaca	gagagacctg	cagcactgca	ttacttcacc	catgggtcta	240
tctggaatca	gccaaaacct	cccaggtctt	gcactctgca	aagtactgta	ctactcagtg	300
cttttcctat	gcaacacctt	agcagatttg	accctgcctg	cctgggttctg	gnaaaagcgt	360
ccccggaccg	caattacact	tgaccgattg	nagtacatgg	aactgaccac	taccaatata	420
gccatttaga	ctggatcgtn	ccgtccatgt	cccttgcacg	gaaagtatgg	cgtttnttng	480
gttgt						485

<210> 3418

<211> 515

<212> DNA

<213> *Fusarium venenatum*

<400> 3418

ctggtacgcc	gggaatat	cgctttcagt	gagaacatca	tggcaatgcc	caccattgaa	60
agtccccctt	attgggaagg	gataggcgac	atcggctatc	ctgattctga	gtatgctgac	120
tttggtcttc	atgacctctt	gaaagagtgg	aaggacagga	tcttgccctg	atacaacttt	180
tgcgataatg	ccggccaaaa	ggggcgatg	agtgatattg	cgtctttttt	acgaatatgg	240
ctcttttttc	ggctcttgaa	ggaggttctt	ggagaaggtc	atggctcact	gcagcatttt	300
gagacagagg	gcaggatcga	taaagccaag	gtcaccagtc	agatagaaga	atggaggagg	360
agagaactgg	agaatcaaca	aggaaccgac	gagacgctcc	ggcgacgaca	acagctcgga	420
catgacaaa	gactcaatcg	ctaataaccg	agatattctc	acgtgctctg	atggtcctgg	480
gcgagatgct	tacaagttat	acaaattgat	tgcta			515

<210> 3419

<211> 500
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3419
 cgcgaaacata ctcatcatcc ttaccctcgt attgtttctt tgttccggtt cttgtttatt 60
 tgatcggaaag catgcaattg ccagcgtcgt ttgactggcc tcggctttgc acggcatctt 120
 cggtcctgtct aaattcatct ttgaaacctt ttcttatctt ttacctggac aacagccgga 180
 ctctatggga acatgcatga tcatggcagc actgctacga cgacgcacgc ctattcgtat 240
 ggaaaacacc ggctcttggc agaaaaagac atctaccaac gaatttcctt tttccaacat 300
 tcacctagac ttgtttgcat ggatccttgg ttactagggg gtcactagac ggtttctccg 360
 tatctggcac ctttccccag acacaacttt ggatcattca cccaaggact actactacga 420
 tttgaacgac agacgctgtc agctagctct taacgacttt cgaaaattct acggcacact 480
 gcgaaggata taccgccgga 500

<210> 3420
 <211> 338
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 3420
 nngcgtgcc actacacctt tgtaacccc tacagctagg gttaagacaa tgaaagcaac 60
 tcaagccttn aaatatcttc catcgacgn gaccctacca cctnttnaat tgacnaanac 120
 accgagncg cataatncta cacaatttac caccaggagc atacctcant naacacacng 180
 atgggctggg cgncttggc ttgtnaataa agaaagnacg tttnggngtg gacagangtt 240
 attggtcacg accaccctg ngatctccca atnacaagcg agtgntncca gttgnttnaa 300
 aggtgganaa gncaatacca cgttcttggg gacccttt 338

<210> 3421
 <211> 1097
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1097)
 <223> n = A,T,C or G

<400> 3421
 ccaagccacg ccaaaaatgt acaagactcg attctcacia tggggattcg tcaanaataa 60
 caccgaggac gaagtcaaac gcttgttgc catgaagttt caacgtgatg ctgaaggaaa 120
 ggtgtcanaa ttcgttcgca acggaaaagt tgtaaatctg ggtacatatc tgaaaaggaa 180
 aggcgtaact gaatatgatc tgggtcgattt cgagttaccg gctgatctgc cggcacatat 240
 ccgatgtcga accccaactc cacctcccac gccaggttac cttcagtcac cggatcttat 300
 ccgcgctcaa naaacaatcg tcaccaatat gaggaaggct ttcttacaat gccggcaatt 360
 cgaggtggaa acagatgctc aagttgggtg gcagtcgggt atggtttggg gagccgggtc 420
 cagtgatctt cttctcgaag ccaactatta tttcgaaatg aaggatcacg atcaagggtg 480
 tgacttcttt gatgaaggca ttctcacaac tcgagtcgga tttgaagaag ctttccccac 540
 aaggtatcat agagctgctt ctaggcatgg ttcatcgnga tccaggcatg atgactgcgc 600
 tttccaagta tttctcggct tttcgatga ccaacttcga gcgatcgcat cccttgcggc 660
 agatctttgc ctgcttatat gaggtccagc agaagcatgg cccacagaca ctctcggagc 720
 tactgtgggg aagcataacc actattgctg aggaactgga agctatattat gggcgcaagc 780
 atccttatgt ggctcgaaca tgggtcgatc tgccatgttc tacaaccacg tcagccaaaa 840
 agagattgga naaactgggt ggagaactcc gacttttgca gcggcaaatg gagcaccaac 900
 ttggtgtcga aagtgcenac gttctcgtat tgcgatatac aattatccag ttgatgttgn 960

aagaacgtnc taaatncgac cgcacgaaca agcgaccatt ggatttttgg cnttaatttg	1020
aaaagggatn gggatttcctt tttcctttgc cgaagccagc aaccaantgt tttttnttcc	1080
nccgtccttt ttaaggg	1097

<210> 3422
 <211> 248
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(248)
 <223> n = A,T,C or G

<400> 3422	
nanccgagga catnganaaa gtgccctggc cangnttgag gaaaaganca tgtatanaca	60
tgaattctcc gtgagactga ccttaggaga ncgcnagacct gnanttgctg agggaggata	120
tcgaaaagac gactnccctt tatnggactt aactgggatg gggagtagca atgcccttct	180
aggaactnct gggctttcaa aagaaccacc cctnatnggg gggccaattt tccttcccaa	240
nggccaag	248

<210> 3423
 <211> 134
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(134)
 <223> n = A,T,C or G

<400> 3423	
aaataggcga tgggaatctg atgacaggta gttcagtttc tggctctctt atacacaacg	60
acttgaactt tataagcata gcttgagacc gcttgacagt ttanagactc cgctgtctta	120
tatcccacca cttt	134

<210> 3424
 <211> 639
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 3424	
ttctgggttta atttgaccaa aaatcttccg acctctctac tcattgaagc gaaagtggaa	60
tccccctttc ctttttccct tttataagaa tacacggcctt ggactcatac aaaatccgtc	120
tcttactcgc atcgactctt ctttcgtatc agagagagat tgcgtgcaac cgctgaggct	180
ttgctcttgc gggagacnaa aacggcatcg cgcttacacg ttcacaactt accctatttg	240
gcaatcaacc tttgagcaag agtcgatgta gttcaagact cggcgaagcc ttgaaacttt	300
gctcgctttt taaactctct tactattctt aaaatatcac attctcgacc aactattgca	360
tgattccaca cttgggagtc tgctcaccat accgaaacaa tgtcgaattc catcgccaac	420
tctggctcta tcaagcctcg aagagaaccc agagacacag ggttccctga gcctctcaac	480
aaccttcgca acacaactct cccacatccc gatgcggatc tttcaccaaa cgcatgcctt	540
acccaagaag atattgaccc cgattcgggc tcttatgcga accccgggga tntttctnag	600
gaaaaagcga caactntgaa ccntggccgt ttactccgg	639

<210> 3425

<211> 584
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

```
<400> 3425
aatnactttt tttttttttt ttttttttng ggnccaaaaa cgagatcgta atcaagtgaa      60
ttattctaaa tagtcatnaa tnggcctcaa aaacttgctt ccaaattatt tcatgatcat      120
gtataaacia ccctcaactc tgacagcaat accggaaagt tgtttgacaa ccaactntgc      180
gttcccaaga tccaacaaac cgatntcatg agataacatt taacaattgt atgtgcagat      240
aaaacattcc atcgncaggc cacagtacct gtttcataaa gagaaccaca caatttacat      300
gcggtaggag agaattgactg ctgntccggt cagtgtccan ngccgtagtt tgactgcgca      360
tttgacaaaa gtcgctctcg ctcatcatct gntttcatnt caaccttntt ctccacaaac      420
atcctaccct taatggcaac gaatacggta aggatgatac cgactagggg tnccaacagc      480
gcccancggg gcgttgatag gtgttgattt tcatgaaacc gggcccnggg ggtgancgag      540
tcnanaaccg actggacaac ttgagtgatt cccganacnc aagg                               584
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<210> 3426
 <211> 524
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

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<400> 3426
gaatgaatta cacactgatc ctatctatca acggaccctt cactctatca ggccccgata      60
actctttgtc ccttgacaaa agcggcaatc ttgtgtttga ggccgatgga tgggaatacc      120
ctcttcgtca cgtcagcaac gacnacgctt tgaaactgga tccaggatcat cctggtcgga      180
tctgggtcaa cacttcctca tccacacacg agcccgtcaa aatatcagtg cctgctgaga      240
ttactctaata ggcagatgta ctccatggta cgggtggtgt gactggctca aagttgatag      300
gaagatttga agtttttgtc tttggagggc ggaacacgca gtccagctgg agtcagatgg      360
cgtttggtgc gccctggat gagatcaaag gggaaagtga tggcttaact ttgaatgcat      420
ctaccatggt ctccgcgatc gacgcagatg agaagacgtc caacggtcca gganaganca      480
gcgctgttcc cagcacagat ttgccaggct tgattacggt cttg                               524
```

<210> 3427
 <211> 263
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

```
<400> 3427
aatngatttt tcttaaanac cgtcngacgc tagataagga gtaggcagag gacgttatat      60
acaatnaact tggcgagatg aatgcnatta gagatgacac tntccaagct tataaaggta      120
tagtcggagg gaactgggaa tagaaacaga gtatgataga tagagcgta gtctgattag      180
gcttgagcca ccttgccatg gtcattagag caggcagtac tcacgaatcc ttgtggttct      240
tatcaaaatt ataatagttt att                               263
```

<210> 3428

<211> 288
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(288)
 <223> n = A,T,C or G

<400> 3428	
ggaatttttgc cgatgggtgan gganaaaaaac agttgcctac tgnnccgagc tcgcccgtac	60
agcagcagtc ccagcctnag tgtcaagcac agcctcnanc agaacaggac tctcgcatgc	120
gcctgcattc cctcttggat taattgttca accccaacgc gctcaacgac ttcgccttgt	180
gccgagctnt gtttagagga aacattggcn gncatacaac acatttgatt ttngacaaan	240
gaaaatccnc gccttttaat ggacaggtac cgagttaggt gccaacat	288

<210> 3429
 <211> 523
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(523)
 <223> n = A,T,C or G

<400> 3429	
cgtgcaacca accccgatcc aacgtcggaa ccttgagccg aaagggtttt ggcaatggat	60
caatgaaata tggtccacac gagaggacaa aaggccacag ctggcccatg aagcacacga	120
atctcacttt ctccggctca cattttcaca acctatgggg tttttcttgc atttcgagat	180
accaggaagg cgttgacatt ttatatgggg gaatgggaac acatacacia cagcacaaga	240
acgaacactc ctacgtgacn aatgggggtca cggatgggt acatgcataa gcgggctgag	300
cgactgttgc tttgcacagc gctntcagta atgtcataag gacatgancc gactgcttac	360
ttttcgattc aatcttatat tttactgcat tacgacacgg cggcctcgac taagcaatct	420
ttgggtacat ggaaatggat ggattgtctt tgcgattaat cttggtttga acaagttgta	480
caancatcag tgttggcttc aaagtctgga tataatatgc agg	523

<210> 3430
 <211> 591
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 3430	
ccatgtctcc aatgcatcaa atcaatttcg aatcgcaatg ctttttggtat ccaacactgg	60
aaactgggaa cacttggtatt gaccaggaaa cgcagtaatt cccttgatgt tttggtgtct	120
ttttgaatgg acgtggtgat ggggctttat ttcaactctc aacctttgtt cgatgtcatg	180
ggaacttcac ttgcctttgc cttgcgatga tgtggcctgg ggatgctgat aaggctgagg	240
actgtgcttc ggcaacttgg cttcacgggc cagatatcgc tcggcaaaaag aaccatacgc	300
gcactcaacg aagcaaagca accggagatn gattggggcc tcaagaccct tttgcaccca	360
tcttatcaga tccaacctgg aagcaciaaac ctttatggaa aatttgtcct tatccacggc	420
attttagctc tgatccggcg ggnccagatc gacggccatg cagctcaatt gtccaaattt	480
gacacnccac ctcccaatga ttggatgact gcactggcgg caataaccgg ccggggcact	540
ccacttgaag gggcggcagc caacgtggaa ccccaaaaant ctgcagaccc t	591

<210> 3431

<211> 330
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(330)
 <223> n = A,T,C or G

<400> 3431
 ncgcctgtgg agtcgaaaac tcctctccat tcgncatcaa tcatgcacga tggactatag 60
 accgaatgtc atcgncctcaa tatcaattac tntgccactt gcagcgactg tcctngnact 120
 tcgactnttt gcgcgcagcgt cgacgagggc cggatatgga attgacgatt gcntggcggn 180
 agatgccttt atcggagctc tnggatactc gatagacaat attgantggc taataggctt 240
 nggactcgga gtaccactca aagatggccc agcgcacctn acccacgacg agcgactcga 300
 acgatcatat gacctgacgt ggatcagaag 330

<210> 3432
 <211> 584
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

<400> 3432
 atcaaggatt atctataaat aaacatggcc tcttattggg gaagcggcac cactgcccag 60
 gtccatattc tgggtttgaa ctgaatgccc gtacagaatt cncctttcat atancccg 120
 aaccagcctc tcaaaaataaa ataaaatttg ggtggcattc cctgacatca acaacctgaa 180
 gacccaatcc atccatcttt cttcaagaca cacatctaca aacatgaact tcacctgtt 240
 ctcggtgtt tctgancagc ctcgtttacc acatgacctg tcaactgagt cttttgaact 300
 cagggcgctc gcgggacctg atatctggcg gaccttctt gtgctggagg gcgagacaat 360
 ttcaacggtc caatctatgc aactcctctt gcactaaatt cgttcaaaaa ngccaaggtc 420
 acngtatcag ccaattttca cgccccatac tcccangggc gtcttattct gtttatgccc 480
 gaatctgatc cgactgtcga taccgatggg cagtcgtcgc cccttcactt ntcnccaagt 540
 acatggatna aagctggaat tgaactcctc gatnatcanc attt 584

<210> 3433
 <211> 313
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(313)
 <223> n = A,T,C or G

<400> 3433
 cgcccatatg cctgctccc tttnttgggg tctgacnaat atcgcggtt cgtggtacgg 60
 aaagtgggtg aagttttcga gctgtgactc tcaaggcaaa ccacaagaac tttatgctct 120
 ccgtggcctg aaagagtggg ttgggggttg tcaatgactt atctagacgt ggattctgtg 180
 attcagggcg ttgatgataa gcgaattgat aggactatcc tttgttagta ttaaaaacag 240
 agaagtgaca agagccaatt tctttgacct tggtgacaat ctttacctga tattctatct 300
 gccnaaaaaa taa 313

<210> 3434
 <211> 145
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(145)

<223> n = A,T,C or G

<400> 3434

ngacaagatt	ccctattctg	ataaccncta	ggtnccccc	ccncgaanc	ccggntgggg	60
tggttaacta	agaanaagat	ataccccant	tgcccaaacc	tggtatggtt	ttgcaatttc	120
ttnnctagga	ctttcggggn	ttaac				145

<210> 3435

<211> 307

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(307)

<223> n = A,T,C or G

<400> 3435

tctgagctct	ccatcttcta	catcttcccc	acgaaaaaac	tctgaccata	tatctcgtgt	60
gaaatcactc	tcgcggcccc	acatagctgc	gagctacgct	tgcgtttccg	tcttacactc	120
tgcttttcta	tcgatttccc	ggctccgccc	cccggagata	agaaacgact	acgcttaagc	180
cgnggcgccc	ggttntttt	ttgttaccac	caacctcgta	cccatcaact	tgntcgaggg	240
attataacta	nancttgccg	ctcattggga	tangaactgg	gggantaaat	aaacttgacc	300
aactttg						307

<210> 3436

<211> 617

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 3436

accagtagtc	atatgcttgt	ctcaaagatt	aagccatgca	tgtctaagta	taagcaatta	60
tacagcgaaa	ctgcgaatgg	ctcattatat	aagtatatcg	ttatttgata	gtaccttact	120
acttgataaa	ccgtggtaat	tctagagcta	atacatgcta	aaaatcccga	cttcggaagg	180
gatgtattta	ttagattaaa	aaccaatgcc	cttcggggct	cactggtgat	tcatgataac	240
tcctcgaatc	gcatggcctt	gtgccggcga	tggttcattc	aaatttcttc	cctatcaact	300
ttcgatgttt	gggtattggc	caaacatggt	tgcaacgggt	aacggagggg	tagggctcga	360
ccccggagaa	agagcctgag	aaacggctac	tgctcaact	ggttcatncg	cgaattcgaa	420
atgcacgggc	gaggncccaa	cattatttnc	ngcatctttg	gcgtcatnca	aactgntctc	480
tacattgact	ttgcatgggt	ttactacact	cgccagcgcg	taagctncgc	ggnggcggna	540
tcgttgatgc	ccatgatatg	aagccgcaac	ttggcttttc	cgccgcattt	tttgnaagcg	600
cttngctcac	gacnagg					617

<210> 3437

<211> 344

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(344)
 <223> n = A,T,C or G

<400> 3437
 cccagaaaaa gcaccatccc agacaccaga taacgacgag tcgccctaaa tcatgacgac 60
 ggccccgtct tcgggctctt ctccggccggc aactctatct gcatcagagt caacagcacc 120
 agcagaaaaac tcattgtcat cagccgggga agtccctatc gttcctactg tggagatcca 180
 gcacttggcc cgcttcggaat tcagtgtgac tggcacaaaag gttcttatgg tggaatggta 240
 tcctgatgct gtccaaggcc ccgctgcac tcgccgatcct tccgccgatt cctccgggtga 300
 acgctccgtt ccaactaccg atcanggttt ccgaannгаа ccgg 344

<210> 3438
 <211> 1013
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(1013)
 <223> n = A,T,C or G

<400> 3438
 ccttgctcga caccggaagtc aactccgct tactaaccgt ctcgatctcg gctggcacgg 60
 cgttcggaga ctactcact aattgtctaa cctctatttg tcgaatttcg ctgatgattt 120
 ggggtgtagt tgtgctggac tgcagctcca gctgttaaan aaatgctatg tcaccatcaa 180
 tctcgtagc atctcgtcct gngggggcga actaagggtc agcactgact gagctcccca 240
 ttgctcttcc tccacgtgcn aaaatgactg gttggaccaa gactcgatgg gtaggcatgc 300
 aggaacaag atcggacgga tttgatctct tatgattcac caacaccgct ttgcatttgc 360
 attttgcctt gcttgacctt gctcctgtaa tctccttgct atactaccat atcaatatca 420
 actctatctc actggcacca accctgatcg gatactctac cgactgcagc acagtagtcg 480
 actaacttga tcttgactgt ctgacgatca actgagatca ttgcatacag ctagcactag 540
 cagatgctct tgatgaggca ccttctccgc tcctgaggcc tctttgttgg ctttgcctta 600
 ttatatctcg cttaccacca tccagcattt acacaatatc ggtattgcac actgacttct 660
 cctatacatc cacatcgctg tctatatacg acacagtcta ttgagacatg acgctgata 720
 acagcatcca cgccgcccac ctgccatcta tcgaacccgc tcgaagtagc tcaaggcact 780
 cgaccgcaca caatggctcc agcaccgctt ttgagcctgc catggccgat gataatgaga 840
 ctatcgctag aaacgtcttc gcacatgacc gatgtcgaga gtcagactac cggcaccgga 900
 cgttggcagc ccaatcccat tgacaatgga tccgtatgac cttttccgng gnttacaaaa 960
 caanagtctg gacttcgccc atatcaaagc cacacgttgc ggnagcgggg atn 1013

<210> 3439
 <211> 535
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

<400> 3439
 ngctggcgag gcatatatct actaagcttt cattttgata ccacgtcact cttcaattcg 60
 ttttgaatat ttcactacta tcgagatccc gctttcgtct cattgtaacg ctccctggct 120
 gtcaagtctc gccctggaag cgtttaatat tgattgagga aatggctcgt ctggtgtttc 180
 tcacgcgcag atgattgaca ctagtccatt tctacaagtt caaggctcact ttgatttacc 240
 ctgggttcttt tcatgcgcgt tctacaacaa atgctgttca cgcattgtct ttcgccccgt 300
 cgatcgacac tatataagtg gatgaagtaa aaaacatagt atcattgctg gtgagattct 360
 tatcaacaat tcgttcgctc cctgcctggg tcctacatcg actcacgtct gcgccgtggg 420
 acaaactcga cgtgtcatcc gtgtttacat ggtgttgnac agacatcatg acaagcatgt 480
 cttgaccgca cccancgaat cgggctgttg gggatgttgt ccgtccaata tcgag 535

<210> 3440
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 3440
 ctttggcgag aggttctctc gaaatgtcaa ggctcccgaa tctccccac aaagtccagc 60
 ttgggtcctc cgaggacttg tacttgccag tgttcaagca gcaggccact ggatcgcaat 120
 caatactatt cagagtacac caggctatga gagtgttctt acattgcaac tgatacttct 180
 cttgtgcaca atgccccgtc ttggctggct cgcgatagca ccgaaagaaa ttcattgttc 240
 cgaatcaaaa gatctgaccg cggcatgttc agcgtcttac gcggagggtt tcctgcagat 300
 ccccaacttg tattcaatga ctacggtttt gaattatgga tttcgcaatg gtttctatct 360
 cgggtgttttg cettatacag agttgggata ctccgcttgg atgatgtacg gcgggancgc 420
 tcctgtggct cgttgctgtt gctttgattg ttgtaattgt catccgaatc ctgcgtccag 480
 tattcgccac ccatactctc atatacacag tatcagaaga actatccaag tgcganggca 540
 ataaatgcac atcaacaaat gaaagaaatg aaactgggtca cttgttgatc 590

<210> 3441
 <211> 913
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(913)
 <223> n = A,T,C or G

<400> 3441
 ccgacgacga ccgagacgaa gacgttacct tacgtttatc accgtgttag cccatcgcca 60
 acacgctctg cgaatatatt ccaagctgcc catcttcgtg aagagctgct ttgattaacc 120
 ctgctccgcc atttactttg gccccagacg acgaccgacg aaccaccgtg tccgtcctaa 180
 aaaaaccgac tccaaattca ctgatcgcg ccccgcttgg ctgccccaac acaaaatacaa 240
 tacaagacga cgacagtacg acgacgagaa cattacttct catcttcaaa agaaaaagaa 300
 aagacgatcg agtggcctgt ttgctactct tgacctgttt attgtacaaa ggcgacgaag 360
 cgtcacatat ttgttgacgc atacctatta tctcggacga aggataataa caaaaactcg 420
 cgttgacggt gttttgttct attctctctc ctggcttgcc cccattttct gacgacctgt 480
 acctacgtct ctttctggta cagttatcaa caaccaaagt cgggtggcca ctgcggcaac 540
 cagcagcagc aactgttctt gtccctgtat ttgacgtgat ctgattgctt tgcaattcaa 600
 ttcaatatcg acaatctgct tgattcgctc ctctgctcga ttcgctttca gctctcgaaa 660
 gcttccgcag ctacaacaaa gcctctcgct gatagaagag acgtgatccc ttcacggggt 720
 ttttgggaag ggcattctat catctgctat catattccac tcgacaagtt accccccgca 780
 gtgggttctga taagcgatct tgaatgccgc cttcttctcc ccacgcgaac ttcctcantt 840
 ctacgcgggg cctcgttcgc cagcaatatc tcnaaatggc gacaccaagt caattcaatc 900
 atatcaacnc tac 913

<210> 3442
 <211> 802
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(802)
 <223> n = A,T,C or G

<400> 3442
gaattttttt tttttttttt tttcaacgcc atcacttcgt attcaagagc ctactctaca 60
gcttggaact aaccgcgtat gtgtacgtac ccgttagctc tatctccgca ttcaaccctg 120
cccctgctag tccgttcatt gcgcggcaca gggggcagtc tcccccgctc ctgggtctaa 180
ctacactacg gcatgtttct tctgggtacc tctgtctcca gtcaagaggt gatgctcgca 240
accgggtgca caaacgagtt gaaagcatat tccggaagt ttaatgtcgg tcaagccaaa 300
caccacgacg cgggggttcc ttgnnggtct ttcgtcaaca atcgcggtca agccgggncc 360
ggggtgatga cacttcttct ggtcttcntt ctcgaccact gngggctggt taattggggg 420
tgtcaaaagt acaactgntt tggncagctt gcttggttggc gcttgtaaan gtgctttgat 480
gccccgttac cgacgaaata cacgacgatg cgaaccttnt gttaactgnt tactggangg 540
taaaatgacg ggcagcaagg ggaatacccg ggatgggcgc caacatccgt cngtctnatg 600
cttnaanacg actttttatc ggttttgggt gcattaaagg atgtggatct cattattggg 660
actttgggga naaaacccaa tcggggggnc ggcctccttg gcnnaaaacg gggtaaannt 720
tttgactttt ggggtgaaant ttgtaaccng gaagggggaa ttnaaatcg ggggtccatt 780
ggnatttggg aanctcccca ag 802

<210> 3443
<211> 300
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 3443
gggaagcaca tcgaaagaca tcaagagaca tgtcccaagc cgtacgactc tttgtgaaca 60
gagcgaaccg agctttacaa ataggggacg tgcattgatgc cattttgttg ataatacatg 120
taggtatggt gggttgagaag agaagatatg atatgaatag ttttggcggc aaaaggggat 180
gtggatggtg agtcanttan accaaagagg taaatatgta gtctgaatgc aggcctaaat 240
gcatgcggcg tagacaacca agatctcaat cgtcaaacct acacaatata cgagatgcan 300

<210> 3444
<211> 152
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 3444
ngcaagtgtg ttngaaaaac tnactgccgg ngaccacgtg gggggaattc tnaccaagtt 60
cctnagcgcc acctacanat ntattatata cngcctcngc cttcgcgcan ggcttcgttc 120
ngatccaatt tcggaccctt gggagaggag at 152

<210> 3445
<211> 119
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(119)
<223> n = A,T,C or G

<400> 3445

natggggnaa cctcccaacg ttcaaaaaga agttgnntat agcctttcgg ggccatatac 60
acagttatcc aaaacgcgac tcncttgttt ttgnngtggc tggcccgaaa taanaaaag 119

<210> 3446
<211> 170
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(170)
<223> n = A,T,C or G

<400> 3446
ngatttattt ngacntggaa cgtaatgctn nccaggatga ggnacagcta tnaggaatca 60
gaggcgtcaa anaagcgcgac cgacagatgt tctgatcaca ctatntctgt ataacctata 120
ctctantgcc tgtctagggtt gtgcttactn gacagtntca atcaccctgg 170

<210> 3447
<211> 336
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 3447
tcanaacagg accctggaca aggcagaagc ggccaggcaa aagttgatgg atttgccaag 60
tcttttcaaa tgaacgacga atggggccgg ttcattggagc agtaacgact gcatggaaca 120
ggagtttttg gtgcgatttt tttcttatta ctatttttct tgcggacttc tcgactcact 180
ggcagcgagt cgggttcaggc tcaagtggca tcatcctggg gcgcgagtg ccaaactttt 240
acgggttact ttattcggtc tggggtaagg ctatacttct tgactctcac gagatgggtt 300
tattatttcc ggcttgcatc attgggtttt tttttt 336

<210> 3448
<211> 338
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 3448
nggggtatcga aactngagcg tnttntactt ggacaccacc ancncacatt gggtcggtgt 60
gtgctccatg ctttcatcaa acttgccggag tgctaccccg agactggnaa gggtgggctc 120
ggaccataaa cntttcatgg ccccaanaag gctcttgtna acctttttac cccagctgac 180
ctgtaccatg gtttagngga gggcgtaaat aaatatctca ttctnggncc ataacggagg 240
ctcaccanct tcctggcgat tttagactct gtgctgatgc gtgctgagta aggggaagag 300
gancggantg gatggcacia ggggnttaac ccgaaggg 338

<210> 3449
<211> 462
<212> DNA
<213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(462)
 <223> n = A,T,C or G

```
<400> 3449
gtgcttctat ctatcgctg tccttcttct cttggggggc ggtccttttg taaccggcac      60
nctggctctgt tctaccataa gcaatacgtg aaancggagg catagaacag ccgtgttttc      120
actcgtctgaa ccttatcagt catctggaac tgttttgagc caactctcnt gacatccaca      180
atgancattc ccctctgggt gtcttcatng atcaccatnt gtnatgcntg cggttgctttt      240
cattccgggt tattatctcn cggaagacga caaccntct ctagaanatg atttactact      300
tgagggtctg tattccgcna tgaggtagag ccgtnactgg atgctantga tattcttggg      360
ccgcgaagtc ntcgattoga accagtacat taaaagggtg acttacttcg angctcacca      420
tcctcacagt attgcttcgt ttgctctttt naagttcaac tt                          462
```

<210> 3450
 <211> 621
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

```
<400> 3450
ccagaatcaa agctaagcgg tagatcgcta tccccctttt attccttctt cttaatccct      60
tgtatcggtc tgtctcctca cttcttctat tttcattgcc gtaatctcgt ctgggaccat      120
caaactcttg actaaaaagc caagccaggc tgtgcatgag gaagggtttc cttgcttgtc      180
tcacaattca tttcatccca ccgttccatt catcatacgt ctctacgggtg actttgacat      240
tgccatcctt tactttacc accctccatct tgtcgatctg tcgatagcta caaaagggtg      300
ctcctcaaca ttggctctggt gtttctgcag cagggatcac aagcaggggcg accatacacc      360
gcagatcaca ctagatcttg tatttgtgtt caccataact cgatttttagc ttgccttcta      420
tctaattact ttttctccgt ctttgatctg acctggcctg gtcttcttct ggatttgnac      480
attcgctttg gtcctgtacc acttatacca aacgagggcc tgcttcacga ggtggaaccc      540
aatcagtgcg cggacctgag ctgtgaaagc ttgtcatact aaagcgactc gactcctatc      600
gcttggtgac ccaatacttt a                          621
```

<210> 3451
 <211> 495
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

```
<400> 3451
tctggttccc agatgttcat catgtaccag gacggaaaag ggcaacgtca ctctgaagcc      60
caagaaccag gaaacaggcc aatgttaatg cccaggttac tcgaaaaatg gatgggaact      120
cgaagctggt tggaaanggt tcngggaatt caaggaataa atgaagaatg aattgnccaa      180
cgtttcgaat gcaacgaact ggcnagaact ttgaaacctc cnagggggtt tgacttggtg      240
gatcgccgcc tggctgttct ggcgactccc tgggcttcga caagcccctc cgaanccatt      300
tctcngcacg atgaaaacct acctttgatg tcaacttgcc aaancccgat gactccatag      360
caaccctgnc cttccccac acaatcaagg cagctccnct ctggtgggct gcttcgaaaa      420
atccaccgcg gtgcaagcaa cacggttaac tggtcacngt atcataatatt attgttttca      480
tccctggata cctct                                495
```

<210> 3452
 <211> 565

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 3452
ttgggagtcg gacgaggaaa accgcacatt tccaacgacg tgctcaattg gtagcacagc 60
agctgtgtca ccagacgagg gacctctgat ttgcggttc gccacgtcta cgtttggccg 120
caacgagatc cgaccacagc ggaggagcgt cggcggttgca atgtgaagga atgattggag 180
tacattgttt ggtttatacc ccgcgttttg caacgttttt gatgacttta ttacatttcg 240
atgataccat tttaccatat acgatagcta ccacctagct agactacgtg gtacttcttt 300
ggatatttga cattgcggta atggataatg aattggggga actgggttcg gataaaagga 360
tggaacactg ggcggcaggc ttgctctaaa atcatgcatg ttacacgatg gccactttca 420
ataggcgagt tttgcataac ggtgtgatgg aggcattgnc tagatagtca cagttatacg 480
cctaaagcgg ttnacaaaag atggtacatc gtcgaattct tttttttttt tttttcaaaa 540
gtttnttggg gtnttagttg aactg 565

<210> 3453
<211> 139
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(139)
<223> n = A,T,C or G

<400> 3453
naacttcenn aacccccgcc ctnttcaaaa naaanatttc acccatnaca tgggcttaaa 60
atcttgacta gaccttttcc ttccattaa caaaaacccc atgtatgggt ttacagaggc 120
ttgcncgcc tgaagttg 139

<210> 3454
<211> 136
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(136)
<223> n = A,T,C or G

<400> 3454
nctggcgaac cattagctaa ngatcttctt ggtcaagaac ctttttgnat gatcgcaant 60
aagatggccn aactgatatg gctttttgtt natctggatg aagtccgtac ctttactagg 120
angacgaggc ttttaa 136

<210> 3455
<211> 104
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 3455
 nataccgang cactactaac aataactgcc tgcaccaggt cttgntctgn ggcttactga 60
 nttnggtgat aacgcgaann tcaactanga tcaaccatcc acaa 104

<210> 3456
 <211> 350
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 3456
 nantatgtcc attnactgct gcttacnagc gaacggactt gngcccaaat catgaagatg 60
 atggccggca tgctagcnat accnagggan ttacgggnen actcgatcgn atatagctct 120
 tgcntgatga aggcaatngc actgctgacg agcttgtnga ggctgntca aaacctgctt 180
 atntgnagct tttaaacaga cctctccagg ccaaactctt gcttacttta tggtnacna 240
 ttacgtctaa aacanaantg gtacgcgagt tgacaatttn cnggggacnt gcattacatn 300
 tgctcgcgct gcanaatgtg atcttncang gacctnttct gaacttcgnn 350

<210> 3457
 <211> 507
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

<400> 3457
 ngaggaaaaa taaantttng cccaagggat ganaccggcc cggacttgat ttgacatgag 60
 gcgttgacat gacgatntat ntcaacactg aacaatgaat gactttcaac gcaattggga 120
 tctcgaacga aggatgtgan ccatgcttat gaanagacca tatcttaagc tnggtttaca 180
 tcgtcatgat acagcatctt tagcttnttg aaccctatca agggctaccc gttccaacaa 240
 taaaagccac gcccggttag ctcaatcggg agagcgtgag actcttacga gtaccgcgac 300
 tcaaggggtgc ggggttcgacc cccgcacatcg gctgttccta taaagtacga ttgcaaacaa 360
 gcgaggcact tctttttttt ctctctncca tttttggggg antgggtttg ttggaaaaan 420
 aggaggggaag ttgngngnaa aaattcgggtg acctggggaa aaatnnggctt gnttttttga 480
 tcangaaact ttttaanaat ggcgcc 507

<210> 3458
 <211> 353
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(353)
 <223> n = A,T,C or G

<400> 3458
 ggaaccgngg cagccttgtg tgccgttnat naccggctgg ctgtgantga acatggtctg 60
 tttgcgttta cttggcacat ttatgatgag aacaccaatc accacanaac attgaattaa 120
 aaggcataag cgggtatttg tttttatggc attatcttgt cttggttggt gcaattttat 180
 tcaaggccca agaccagaat tncaaatata atataattaa ataacttaac tactaagctt 240
 tgtatataga tatgaaagta agaggagtga cggtttatta caatattgat taggtagaat 300
 aaagaagcct tcaaatatca agantgacaa gtatcattta tgattagaaa aaa 353

<210> 3459
 <211> 176
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3459
 ccttcagtgc cgtgtatcaa atggcttgag cgggacagaa caacgggttc gagcagcaat 60
 gcaatccctt cacagtatca tatgaagctg gggtctggca atatgattat tgcaagtata 120
 aagataactt ataaccaatg ctacactgta atacttggtta taccaatttg acaccc 176

<210> 3460
 <211> 104
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(104)
 <223> n = A,T,C or G

<400> 3460
 ntttttcttg cggccnganc gagcattgcn tnatagaggg cccaatntcc cccnatagtg 60
 gngtcttatt anaattcant tggcccgctc gttntaanaa ctcc 104

<210> 3461
 <211> 273
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> n = A,T,C or G

<400> 3461
 ctctcgtaat aaatccatcg gagcgagaaa tgaaactcaa aagcgtctaa tgcgaaactg 60
 tccgatggag tgaaggaag tgtgactgac ccttgaggcn gtgtatcttt ttgggtctca 120
 caaggtaaaa gaggatggat gctgcgatgt gatgtgaaaag ccaactgagtc caacaaacat 180
 ccagatacag caggtggtgg ttttgatcag cggattgata cccaacaacc agtattatgg 240
 acagatgctg ctattattat gacagttgtc att 273

<210> 3462
 <211> 239
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(239)
 <223> n = A,T,C or G

<400> 3462
 ctctccggtt cctcaccttc gcctctcttc tgcccgtgac gacaacctct gcctcacaac 60
 ctccaaccac ctttggatat atcgacactc gcatctcgtg agcctcaaca accgacaacc 120
 cctctttctt caaccttccc ttttccggtc cgtgggtggt ttgggtgnatt ttttttctta 180
 cgagacccca tctttntcct ccttatngac tccttaacct tttggcgatt cctcgccgt 239

<210> 3463
 <211> 220

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(220)
<223> n = A,T,C or G

<400> 3463
ccaggtcgcc gttgaccaag taagtgaagg tgagtatgtc tcgagacgga atcccgcccg 60
aatgggtaac gctgcgcccac tcgcctacgg aggctgcaca gcggggccgta gctgtcaacg 120
cttgatgcca tacaagaacc tctaccatgg naattttntt cgggtcttngg ncatttccat 180
ggtcntgctt naacggaaaa naaactgtnt gnacgtacca 220

<210> 3464
<211> 487
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 3464
ttttgataaa aacaaaaacaa aacaaaaagtc agacaaaactg taccacattt ccattctcttc 60
tctatcacga cttgtacgac gccatcacaa caagaacaac cgctcccgcg tccgctagag 120
tagagctgct aaacccccgca tcgtcttgag tccagccctg ttctgtcaag acaaattccgt 180
tttgtcttta taataatatt gcccgcgctt tgcgacatac tacgccaaca aaagcgcacg 240
ttttttacga tcacgactcg cagcacttta agacggaata gctatagact agatcagcca 300
gatccgtcct tagctgaatc gccgctaaaa ccaactacga cgctctcaag acgttttaat 360
ccaatccaat tctcatcaac aaagttagcc caaggtctct naacctcttc tttcaaaggc 420
gaatcgctcg gccttagcga caaccttaca ggcatgtcta ccattccagca acttaagaat 480
ttcatcc 487

<210> 3465
<211> 206
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 3465
nccccggcaa naaaaccgcc gttttggcna caggaaaaag cgctccaana cccgcangga 60
gacttactnt tttacatnta caaggngag tttaatcgcc ttttacctat gntcgntaaa 120
accggtgggg cnaattggan tcctagnctt aaagcnggtc cntccgncac tggntttcna 180
accgcccattg tccttctga ctcctt 206

<210> 3466
<211> 123
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 3466
ntacaacaag gaactttant gtnagacata ccgacacntg gacccgcttt gngttggatg 60
gaccgaanan aggccgtcaa caaaggcntg ggatatttgt catttacaaa cgggtttacc 120
ntt 123

<210> 3467
<211> 105
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(105)
<223> n = A,T,C or G

<400> 3467
ntaaaaacct ntaatcatat cttgtttcgn cgaaaganct taangaggcc ctttataaga 60
accctccgnc aacgatcagc accgatnctg gagttattcc tttct 105

<210> 3468
<211> 580
<212> DNA
<213> Fusarium venenatum

<400> 3468
ttctttgtct cgtccacatc aagcacccca cttacaaaca aacatcccct tttttggtgc 60
tgaattaaat aaagacttca tgagcaatca atttgatcat tgatgaatac aactgactct 120
tcttcttaat tgtactttta taccctccat ctttaatctc gaccgcttga aaaacgacat 180
ctgcttctac acgacatcga tcctcacaga tcctccttca cgaatcttcc attgcgatac 240
ttctcaaaac atacgctcga gacttgcgcg actcccaatc gttatgcgcc tttgctgtta 300
gcagctgaaa tccgaactca aacactggtg gattatactt gggaagggaa aatatcgatt 360
gaccgctcgc taaacaagaa gaggaaggac aacgaccaga cgaaccacca tgggtgccctc 420
ttacggtcaa cggggaaca cgaagggact cgctcgaact cgcactcttg gcaagttcga 480
gccagctcaa cgatgaagg gcaacagaaa tatcgtcccc gcagaatata tcgctcatcgc 540
gaaaaactat ctctcgagct tgacgaccca ttgaacagcg 580

<210> 3469
<211> 280
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 3469
gttcttgaag gttgcacttc caagactagg aagcacagga caaggccnaa caacaagaat 60
atggaagggt atgaatcatg ggaaatggac gaatgatttg gatatgcggt cttcgttgcg 120
gaaggcctga acccgacag ggaagtcaa gtccaggaag ttatgaaccc gacggcttca 180
gtcaatgaaa aggggaagaa ggagagggtg aataacatcg cctgtcgttg acattcagag 240
atataaagac ataggaagca gaatagacaa ggcgttnttc 280

<210> 3470
<211> 725
<212> DNA
<213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(725)
 <223> n = A,T,C or G

<400> 3470
 gagctgtcgc acactcattg agggagcgtg acacgtcggc actcggcgtg ctgagcccaa 60
 caccatcgca agcaagatct gtcccgctg aggccagtgc gtttcttgct cggtttcagg 120
 aatggccgct cgagaatggt tcaatgaaac gcattaccga aaatggaaag actacgtttc 180
 aattccaatt tgagtggccc ctttgcgcaa atcatccgca tgccaccagt gtaagccccc 240
 attcaacccg ctcggtcgcg acgaanaaaa caaccaagcg agctccagca agacgggcaa 300
 agtattcaga cgatgaagat aacttcctta tacaactgaa ggaagaagag cagcttgggt 360
 gggcggagat tcgtcggcgt tttgctcgac gtttccccga atgaagtggc tcgagtctgc 420
 aagtgcacta ctgtacgaaa ctcaagtgtc gtaggagaac ttgatcatcat catgctcttc 480
 agggtcgggg gactttgaaa tgggtgggaa ataccttaaa cgagctaagg agcgctacaa 540
 aatacattgt tccttgatat tctaggacgt ctgctgcac gattgcttgg agttgttcgt 600
 cgggtgatct ggagggcgta tgcctcgggt ctatatatga gaccgcagtc cgtacctaga 660
 tagtagatgc tatttcggtt agccgaatan gatatcgata ggtgttataa acaccctgat 720
 aaact 725

<210> 3471
 <211> 452
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

<400> 3471
 naaactgacc cgtcngggtc accttagctt ttctcattct tgggcattggt tggcggtttc 60
 tttgtctgac tctaactctt cctcttgact ctgacgttac atacctgatt tgntgtatgt 120
 attaaactga tttattcatt ggattcctgc ttttctctgt ctgctctgtc ttcattccct 180
 cctcaacctg gccttcattt cctctccgt cgtctgtcg canactgggt taaactaaac 240
 ctttaccagc ccagcccaac cccagccttg tgtgggtaat tattatcatc tgtcaccgng 300
 ttcaagtctc gctctggcgg gtctcaaaat tcaaccacc aacctcggac aaagtgaacc 360
 gtgcttaatt gactgaacct gaacgaactg ccctggacag gtcaaagggt gatacctaac 420
 ataaaacaat actatttatc attctcttcc gg 452

<210> 3472
 <211> 139
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(139)
 <223> n = A,T,C or G

<400> 3472
 nngaggagag nccaccaagt tacnacgcca actcagaggg ggggccctta naatccggcg 60
 aggatcnaat tcttcnagg gganaacttc tgttccccca antcccgcn gacagaaaaa 120
 aaagcctttt tctaaccct 139

<210> 3473
 <211> 479
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

```
<400> 3473
gcatccattc agttacattc atctcaaaga cttgggtcat tcattcacta tcccatcaac      60
atgtcccaaa aagatgtctt tgacgacggg gagcttcctc ccccgatac cgaatcaggt    120
ccatcaacat caacacccat atctgaacca cgacaatcag taacgaccat cttccattcc    180
catctccaaa atcttccctt gcgtattcat tctgttcaag cagctcgac atcagcgcg      240
gatcaacgcg acagcgagat actcaccctt ctcgttcccc atgtcgaaaa aatgctttcg    300
tntattgcag ccaaagattc accttcaggg ttgacagaaa caatnttggg tccaggggac    360
ccttgtcgga aaanaatggg tctttcagcg atgaaaatga gtcccaaaca gttgtccgtg    420
taaganaana tccaagttag taggcgatca aaaacgaccg ccaagcgaga ggnccaacc    479
```

<210> 3474
 <211> 625
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

```
<400> 3474
gattctccat ttcgtctacg aaccgatccg acgtgtcgcg actgctacat tcagttcggt      60
acctacaaac tgaacagacg ccttggtgct cttcataaag ataactcgttc gtcaaaggca    120
ctcactactc ggagacatct ggctggcttg tcctttggac cttcgtcaag tgtcctggct    180
cagatactca gccaacaggc tcgacatcac tctgaaaaca aggcattctc cccatatgaa    240
cctgtcatcg ttcacattga tacggattta tcacatgctg aaggagaatc tcctgccccaa    300
aagctgctca gcgattaccg ccgtgctttt cctcacgcca cctttgaatg tgttcctctt    360
aaagaggtag tgtctgtgag gagtatcgac tgggtcaactc taccctcgga tgcgtggaac    420
cctgaanaag atgcgtctgc tcgtcttcaa cgactattta atgccttgcc tacactcacc    480
gcacgtagcg atgttcttcg tctacttata cgcaccttct tcttcanaaa gctcaagact    540
atgcctgcac agcgtctctt tgggtcacaa gcactacagc gctcgccgng ttgacgttat    600
cagangttgc taacngacga nggtt      625
```

<210> 3475
 <211> 243
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(243)
 <223> n = A,T,C or G

```
<400> 3475
nattttccca atacagcagg gcccatttgt tccccgaac cgnanggcc aacagggggcc      60
attttcntng accttgaata ccccnnaagc gctacgtggt ggganactgc tttacctttg    120
tagaacaact tgttcgnatc ntatcgcatg gaccaccatt ggaatcgcn tccactgtgt    180
atcttnggga ctanacncta gcggtntttt tgnccggtgg acaaataacc atgcgaagac    240
tcg      243
```

<210> 3476
 <211> 519
 <212> DNA
 <213> *Fusarium venenatum*

<220>

<221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

```
<400> 3476
gttttttctt tgcaatatct cggtgtaact aacggccagc tgcacatgt tttccgcttt      60
tagatttgtg ccccgtcaca aatcgtcacc aatgaattct gctacatcac cctctcacaa      120
tagacttacc aaacggnaac tcctatcaca tttgttcaaa cctaaatgca accacagtga      180
atccggagtt acttcaatcg ctaaacgtct ttctnctttt acattggaca acagtgcag      240
caacagcgac gnggtttacc ctacacttta ttccgctgctg tctgttgatc anaatgggtt      300
tgacacggat attgtcacgg ntgcagctaa gttgacccta ctaagcaatg gccaatataa      360
cactgttggg actagcgaac cctcnagtca aaagcgcccc ccagatgggt cacaccaccc      420
tggtcggaac gggaanaaac ancgctccaa caaaagcccc aacaatggag tcggnagggg      480
tacnggtgac ngaaataccn ggggaatagc agagcccct      519
```

<210> 3477
 <211> 624
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

```
<400> 3477
ctttcttcat catcgctngc cgcgtttatc tatttaatca aagctcaacc tacatgaacg      60
tgcaatagtt gattctgcaa ccgtgtcacc tcttgaatga tctgatgata cataaaccgg      120
gttgcaaaaca gnaaaggatt cgcctctaac tttattcagt cagcactgca tacaactccg      180
gatatccacc atgttggcac ctttggatct tggcttcggn tggccatctg aacaaggcat      240
ggcgcgtatc gcctactcct nttattcacc actggccctt cgcgatatgc cccagcctaa      300
accaaacgat gcgccatccg atatagaccc ctntattttc accttcgaag atgcattnga      360
agatctcctc gctgtgtccc aaggacaatc gctcccaaac atcaagtccc gatatgagca      420
acgaaagctc tgcgttccat gttcccaact gngagccggg gctcttntgg ctacncaaata      480
ngagatcgca ggtcttttta aaanaatcgg cccaccccgg ttgatgaanc tgttgctgaa      540
aaaaattggg accgatttca ccaagagctc gatcgcagtg ctcaagcagt atggggagct      600
gttttaggcaa aaacgagggg gcaa      624
```

<210> 3478
 <211> 626
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

```
<400> 3478
agcaaccatc ccaaaagcga tgaatcaatc gaaatggggc aagtaatgct atttgtgtga      60
cgctaggcaa ttgcacaata tttgtttcct ttctctcccc tctctcaag ttctcttccc      120
tttctccttc cccatcatct attatatccg agacnacctt gctgaggaaa ctgataatta      180
actcagtcct ccaactgcta caacaagggt cgccatcatg tcgcagtttg agcagcagac      240
tgtgccctcg gccggccagc attacagcgg ccggaaccgc gttcccaatg ttaaggagtt      300
tatggaccag ctggaccaga acaagaagca gcgcgacgct canattgatc aagaactgaa      360
tcagaacaaa attcagggcg agacaaagga tcacagacaa aacagagctg aagctattcg      420
aatcagaag gatgttcgca ccgtgcgtga tccggttaca ggaaangatg ttggtatccg      480
anacgcaaatt ttngattaca aggacgctgc ganaaccctn agatgtcagt tcccaatgag      540
aacctaagaa agctgcccta tcgcaacctn tttaaaacaa ttntggagag gagtccgntn      600
ccccccaaaa tgtcactgcc ccccnt      626
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<210> 3479
 <211> 272
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(272)
 <223> n = A,T,C or G

<400> 3479	
ntaancctcn aggatccctg ttttacacct aaaggtactg ccttgacact tttacaggag	60
gacactggat nactttccat tggcncaagg gtgatnccctg gncccaagga cntatgtttt	120
tggnggaaac tttggtgtcc tntcctccct ggactgatag ccccgccaa ctttaaggtna	180
atgttttagg aagcaagaaa ctaaggacct caattgccta ccgacgntgt tttgtggnat	240
tacccntat ttaccagtng aacttanttc ct	272

<210> 3480
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 3480	
cggccagaat ggccgctata acttcgacca acgaaccaac accaagacga tcgatcatat	60
cctgcagaac gtatccgagg agactggcaa agagggtcatc agtattatcc agaagcctat	120
tagtaccatc gaccagcaag agacagcaca agctacatcc accctcagag tttacgtcga	180
ctacctatca aaaaccctca atgcctcggc ttcaactacg tctggaaaga tccaacaaaa	240
ggctctctcc gctgcctgc aagaactttc ccagcttgca tactctcagc ctaagaatat	300
tccagcagac tctctgacag aggggtgttcg cgagctttgc cgaactcgcc tcgagtcttc	360
atgttccaag gtcagccgaa gaaccgaaga ctacggtacg ctatgccttg ccgtgtctgc	420
tatcgacccc gactcgggtg caatgtccga ggagattagc gaggccgtcc ggaacgctat	480
gtcaagaatg canaagctgc ttaagcgtaa ggccggcagat ggcaacnana agagtctttt	540
ncaggctctt ggcaatgctg catgctgngt ccgtcttnca actgtcaacg aggatcccga	600
tgctntggaa gttttcaacg atcttgt	627

<210> 3481
 <211> 160
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(160)
 <223> n = A,T,C or G

<400> 3481	
gagacgaatg tttttaatct ccccatgttc gggatggggtt ttcattgaatt tgttataccg	60
aggcctcggg cccgtgtgag atagtaatag gcacgggaca tgtacctata anaaagccaa	120
taaggcaaat aataccaaac aatgaacca tacacaagtc	160

<210> 3482
 <211> 241
 <212> DNA
 <213> Fusarium venenatum

<400> 3482
gtacccttag tgcaggaacg cdaagacttt gtctttgttc gtcccttggt cctggtcttt 60
cgtgcaacgt tccacatcct gtcccttggt ttttttaggat atttccaagc cctgagagat 120
cattagctgc gcactcgaga atattagcat actgacctgc cttgttagtg gacaggtagc 180
tctactctga cacttgacaa cactgtacat aggtagttta gacctgtgaa tagaggcgcc 240
c 241

<210> 3483
<211> 479
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 3483
cttgcccgat aggttgagtc tctctgtcgt ctattcaatc gtccgaggat agcttcgatt 60
tcgagacatg aaagaggctg aagctgaagc tgaacagaga aggcatacacc aagttggtaa 120
aatgtttcaa cttgcggagg aactttgttc acgccttggt cctgtcaata gtcgcatctt 180
gatacccttt ttcgtgtanc aatccgtttc gttgcatgaa ttggttgact tgtctaccaa 240
gaatatcgca acaccttcaa tgtcattacg aacttttgc tctttctcgc attcatgagt 300
ctgccttggt gcgacaagtt ggcaccntna ttctcccatc tctnngggtt gaccgatcag 360
gcatttttat tttttaangc acaaagantc atnctctttt tttcttgta caccttganc 420
aaaaggnttt tncgccctaa ccttttgngg ggcctacaaa aanngtttac ccttcccc 479

<210> 3484
<211> 535
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G

<400> 3484
gcatgtctgt cctgacagat tcggaggaaa gagatcgttt gaaggggggc ggtgagagat 60
gagtaacgta aggctggcca tcanagaccg ccgaagaggc gaagttgtca tcatcatcgt 120
tttcattatc ctccacgata tcttcgggaa tcatgatcga tggcctctcg ctaaggctgg 180
atccgggacg agggctatna tctgacagga agcgccgaag agactcaggt gaaatatntn 240
ttgtgcgggt gccctctgat ggtgtgtgtc aacgatactc tgtatcctcg ggtgtgtcat 300
tggaactgg agatcggccg cgctccccct ctgaattggt cttgcgacca aacaagcgct 360
tccatgccgc cggggctggt gataatgacc taaaanaaac ttgtgggttca gtgagggaga 420
tgagccaacc cgataaggaa tgtggttggt tggtagtgag ggtgcnggtc gaggtgtgtt 480
gtatttggtat tcgggggttca tgggttttta aatcggcngt attgtatnga tgtaa 535

<210> 3485
<211> 606
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 3485

ctttcgcac	tcattctatgg	acgcatttgt	acttggggcaa	gaagatgcc	gagtgaagaa	60
agcgtacaga	acggcagtc	ttcgagtatt	cgtggccgat	cgtatcactc	ttggtagcac	120
gaccctgctt	ggcatgatgg	agcttgtagg	aagagcgggc	atctcatggg	ctttagcgtc	180
tcttatcact	catggcttct	catgatgagc	gtatagttgt	tggtgaaagt	ccccggggac	240
tcaacacttc	ataatgggag	agaggtgaaa	cctgtgcttc	atcagcactg	atacgtattc	300
actctttcat	gctttgcctg	caaagaactg	cgctttgacc	gacgcgagat	acgcttgata	360
cgaccatagg	aacaggctaa	actggcgttt	cgagatcctt	cacgtcagcc	aatcagcatc	420
acgaaactttg	aagccccagt	gggtgagctct	ccactgcccc	gcgactttca	tcattcatctt	480
gactaagctc	tgagagagct	tggtcaagct	tgtgtctttg	tctgaacaga	agtcaatggc	540
tacactagga	attcctncag	taattgcaga	atgggtctta	ctgnaaccgc	aacgatacca	600
cgacat						606

<210> 3486

<211> 498

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(498)

<223> n = A,T,C or G

<400> 3486						
nttttcaaag	cgtnngcgct	gnttaaaggc	acattcattt	tgtttctaag	agaccaaggc	60
catggcatat	aacatcatgg	ccattgagaa	cacacgactc	gctcactgga	ataatagagc	120
gcgaaatcgt	tgacaaacc	acgctttcca	acaccgaaag	cagaaacgcc	gagcctcaac	180
atcggcacat	accccctaaa	cgccgcttct	gcccgtcggt	ggactggatg	agatatattt	240
atatgaagcc	attttgggct	gttgaaacagt	cgttttacat	acctatgcca	ggacggcatt	300
gcatttgctt	acaggcgaag	attgngactg	cacttactct	tatacccacc	attttgcatt	360
tttcgttcgc	acctggggat	attattttta	aagcggggaa	aacagtaccg	caaaatatta	420
tcatattggc	tgcatcttgg	ganganatta	antgntcttt	ctacttttgg	ccttgggggt	480
tctagggtac	aacaaggg					498

<210> 3487

<211> 291

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 3487						
ttcctcggag	ggtgggagga	nagcggccca	aagcggcccg	aancgaatgg	cgactctacg	60
acaaccctgt	atggattccc	aggaatgggt	tttgaggttt	tgaanaatgg	acatgtcaat	120
actgttacag	tattttgatt	gaggatttgc	atcgccgatt	tgtttatgga	gttgatggaa	180
cttgatgagt	anctatggaa	gctggctctg	ttttgattga	gtttgatacc	tctgtctaata	240
ttagaaaaac	atatactcgc	ttngcgcgat	ctttttntcc	ccnaaaaaaca	a	291

<210> 3488

<211> 282

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(282)

<223> n = A,T,C or G

<400> 3488
nactctcaag aacggcaggt cgacaccttc aaggggtcat actacgcaa ctgcgcatte 60
tacattgacc catctctcga atgcgcccag cccaccgaag aattctctac tgataacttc 120
ccnaagtat ctgtccctaa tgtctggggc cccnnaagga atcctccaa gcttttaacc 180
ctctgtgana tcctgtngcc gtctcatcct ccacnttacc gttcttgtcg ctcntgcatn 240
ttaatccttc cctccaaaaa ganatcccng aaacccctg ga 282

<210> 3489
<211> 389
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 3489
gaggacgact atgtgttgcg gctgacgaca tcaataggaa cacgctacac caacacattg 60
ttgtgctacg catttnattc gcgacaccaa ttgatcctct tcaccaactg caataactcg 120
gccaaacggc caaagaatca tcggaaatag tggaaacaag tacattgtgc tccaatacgt 180
acgcagcgtc acggtttgaa caccagatct accactagtg gcatctatct agtcattgga 240
agtgagggca aaagtgtcag ctccgatttt gactgccaaa acatgtcgat cacttgacga 300
agctgtcaac atctgggagg taatgggcaa gccaanacac tttgccgttg ntaaagagnc 360
tgggcgtncc cgtttttaaa tccgggcag 389

<210> 3490
<211> 114
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(114)
<223> n = A,T,C or G

<400> 3490
tggaacaat gtanaacagt agctgcctag cagcttggcg catggtgtca tgattagcaa 60
tttacatttc tttagttttt ctattagcat aggataatac atcttgtgtc tcag 114

<210> 3491
<211> 129
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G

<400> 3491
naacactgtc ctggagaccc tctcaaanaa cggncggaag antaccccan caacnctttt 60
tangatatta gagagctcat tgggggggat ttctgacgaa aacaacctcc gggnggatat 120
ccccacttc 129

<210> 3492
<211> 567
<212> DNA
<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 3492
 gacaaatcct atacttttcta caaccgctaa aactgtacca acccgttggt atcaacaaaa 60
 gaaccgtctt cgtttgagca agtctcccca gctgctcaac acctttacca aaactcgacc 120
 cgcctttggt ctttaaaaagg caccatcttc actacggctc ctccggccgt gagtttcgtc 180
 agtgacaaag atttcagcct ctgcaagccc tcacacatta tcaacgcgat cctcctccc 240
 gctgctattg ctgctcgacg ataagcttct cgatctctct gtcttgatc atccaagacc 300
 cgactatcct cccccgtcgt tcttcgacac ccacagctg ccgcatagga ggtacttaga 360
 gggtcttctc tcgccgagga agagtcgagg aggcctcgcc aaatcaccca gggatcagtt 420
 cattaccgtt cccgaccacc ttaacatcat ccgaatcatc ggggtgattct ttttctatac 480
 taccacactn acaacaactc aatcagtctc cggactcaat cctcgtcaaa aaactccaaa 540
 aacaaacccc gcaactgttt gggatat 567

<210> 3493
 <211> 113
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(113)
 <223> n = A,T,C or G

<400> 3493
 nagatctcgg angattcnca agctactccg attccaaaac gtnncaagtg taactcanaa 60
 cccantttctg acntgttgcc gcttctctgt ttttactccc atatttactc tta 113

<210> 3494
 <211> 112
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(112)
 <223> n = A,T,C or G

<400> 3494
 tnggaaactg tcttcgggat aaatggcntt tgggttcgnt cccagcaacc gganggggag 60
 gggtgggtcc natgatnctg cntctgcctc tagagncaact gggnggtgct tg 112

<210> 3495
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 3495
 atttataccc tcttcatctg ctcatgaact tgctagttag gctccaacct catcaatact 60
 catacagccg acgccgatat acataacatc atcacacgca tcaagaaagt ggaacactcc 120
 cctccagttc accgtattct caatccacat tacatcacat tatattatat cacagtaact 180
 gtgactgcac tcagcaacca tacgcactat acacttgaca ttgagcaaga aagcaacaat 240

ggttcaagta	ctgactgata	ccacattctc	tcccgcggg	acaccaacct	acgaggccac	300
cgatggctct	ctcatgaagc	gtcctaacct	tggcaggact	gactcatcaa	catcgatgac	360
cgagaagaac	atgccaaagc	gatgcaggaa	ctcaacaaga	agaaaagaat	gatgaaggca	420
cccagacaag	gctgggtcaat	gaccgactac	caaggcgacc	atgtcgctgc	atcacattct	480
gggcgcagcc	acattgaaag	tcaagctcct	atcctgaana	acaantctcc	ttctcccccg	540
aaagttaaa	aacctgtttt	cccccaaggc	ccagttgaaa	acc		583

<210> 3496

<211> 244

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(244)

<223> n = A,T,C or G

<400> 3496

tttgaggcnc	tgctcttggc	atcggatata	tagccagaca	gcgtgagaag	agagctgcat	60
agaatgatgt	gtcctttttg	gaccaaaccg	aggacaacac	atcaatatcg	taattgaaaa	120
taagctgata	tcaaattgtc	atccaaggag	ggtagtggtg	cctggaaatg	gggatgtacg	180
tcttgctata	ggttaggtac	tataccaaca	gaaattagac	tatctgggtt	caaaaaaaaa	240
aaac						244

<210> 3497

<211> 171

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(171)

<223> n = A,T,C or G

<400> 3497

cgcataacca	attcagtgtg	accagaaaag	gtcntgcaac	atgggtgacg	gtggctatct	60
cattctcgna	aacggtagcg	cgtaccgttg	gaaacgggtc	gaccagatga	gctatcanat	120
gaagtcttgg	gatttccccg	atgtcattga	anctggaaag	gtacccataa	t	171

<210> 3498

<211> 434

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

<400> 3498

ctgagccgcc	acaaagacta	cctcttcttt	tgcctatact	ttttgtgcca	aatttaagca	60
tttggaccct	gtttttcagc	atcgccaaat	caccgactcc	accggccatt	aaagatttcc	120
caatctcctg	tgcaacgaca	gataatcaga	cgactgtcta	gtttgcagaa	acatcttttc	180
agcttgcgatt	cttacttgta	gtcgctcagc	atctggacct	actacgcact	atcttgtcca	240
tctcaccata	ccaggtagtc	gttgagtgag	aaatcgagcc	cctccacatc	atggctgata	300
tgcgccgaac	accagcgctt	gagctgcaga	ccgataatga	gaaatctgac	ctaccgaatg	360
aggacggcat	aacttttagag	aaaacagaag	acctattcna	agcaatgatg	ttgacgctag	420
tgctgatgct	gggc					434

<210> 3499

<211> 239
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(239)
 <223> n = A,T,C or G

<400> 3499	
gtcaggcagc ttgcatgttt gcctcgcagc gaacgaacta acacagaatg gcacctgttt	60
gaaatagcat tggtagctct ctctactgac aggaaaggcc aaaccgccac tattcttggc	120
tanaatgggc aggtagggtg gcaggtaana agcttttact aatacatgct tgataatatg	180
ataataaaac ctacctatgg caggatcaaa ttttaaactt caaaaacaaa aaaaaaaaa	239

<210> 3500
 <211> 555
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(555)
 <223> n = A,T,C or G

<400> 3500	
aaacgcttct gttttcaccc ttgacaatgg aaatgttacc tttacaaatt tcgtcggaga	60
cgtanaagtt ggtactctca caattccaaa cttactcctt aagccaggcg acaatgttgt	120
caacatcacc gccaacatga accaaaagctt ggttctgaac gccgttcagg aggagcccta	180
ctgcaagaca ggcatnttc ccttcaagct gttgggcaag tcggtcatga accacggcga	240
aaatctcaca tatttcgccg cagcgttggg aagctcaaac cagactgtcg atatcgacat	300
tggtgccatc ctgaaaaaga gcattgggta tgatgtgaag tgcaaaaagg attagttgca	360
aagcattatt gatctttgga tcgcgtaccg agtatgctga ggcaggagag aatgatcaaa	420
gccgccggtc gattaatata aagctaggtg gnggtttgac aagaggcgca ntcgattata	480
atgatacctt tgatgcgggc cccatttata ccctgtncct gatgcgaaat tcaanattac	540
tttattccgn caagg	555

<210> 3501
 <211> 241
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 3501	
nggcctgttt agggtttgcc cttaacgatg ccagcaacca ggagcctatc aaggacgttg	60
tccangaatt gggatgaacgc gatgcttcaa aacgagtgtt ggtttgtcan acagatgagc	120
agctagagat ggccagggtg tgcgccgaaa aggaagacat ttgggaatga tgcnacacca	180
cagggatggt ggttgtggta gtgatgatat atatgactta atagatagag agtgtgtata	240
c	241

<210> 3502
 <211> 308
 <212> DNA
 <213> Fusarium venenatum

<220>

<221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 3502
 tccgtcagtc tccgtagttg gacaatccga agattacgaa ggtcttgaag gaatctaccg 60
 gttccttgag gaatgtgacc atgccaaagg aaagggttgg cgagtaaact gattttgagc 120
 gaaacgatac cagaatgccca tatgaaaatt gacaggcatt gattgtactt aacgaccgac 180
 attctctaca ccgaacgaac cacaatagct agatttagta tgagcagtaa ctagcttcca 240
 attgaatttc cttgagtatt tnttngaaaa aaaaataant attaaaatta ttaataanat 300
 ttatatta 308

<210> 3503
 <211> 469
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 3503
 gcagagggca tccccaatct tccgatcctg ctctcccccac acctcgttac ttatttcact 60
 cccatttctc tttttcactt catgagggtc tgacccaaca tcggttaatg tctacctgtc 120
 tattctttta ttttcttcac cgtctgtgca tatatgcctt tgtttgtgga gacaagggtt 180
 cgttgtctca tctcgttgta cattacatta ctcaaagcgg tctacgcctt gaagactgct 240
 gaggactcga ggcttgtgac caatgatcct ctttgatagt tcgtttccat aaagggttgg 300
 ggagcaagaa tccgagtcac ttggagggtt gtggnggcat atgagcggct ctgggttgtg 360
 tgattcggcg atagggttgt agttagaaaa ggctatctaa cacaaactga gctgacacga 420
 taatcccgtc accttctggg tagtttaatc cgagtaggga ttgtttctc 469

<210> 3504
 <211> 385
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 3504
 tactcggagc catactgcta catgaagtca cccaagaacc cacacagatg tggacgccat 60
 ggaggaaaaga agggccaata aacattctag accaagacaa atcaagaaga aacagggtgga 120
 acgatagaac gaaaacaacc cagaatgggt atgacgacat gaaaacaacg acgacggcaa 180
 gagagccgac aaactctgga ttttttgta cttattaacg gttgcgacat catatgagga 240
 acattcgggt attagcatgt gcatgcaatt tatttttatt caaacttcgc aagcatagat 300
 gataaatgtt atttttggca aatcactcan aagcacantg aggggaagac tcaaaacagc 360
 ggggtgttntt gatcattctc aaaaa 385

<210> 3505
 <211> 624
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<223> n = A,T,C or G

<400> 3508

aggttggaga	caaagacagg	gaaacaaagc	ntggattcaa	acctggggaa	gccagtntnt	60
gaaacgggcc	aaggcataaa	atgacgatag	tgagtttggt	gttattgggc	cgtgttggag	120
cgttgcactg	ggagattggt	tgatcacccg	ttggtgcana	aagttggagt	tgaccaacag	180
ttatccgagg	ataaaggcac	gatgtacgat	aagacagccg	canataanaa	agttccaaat	240
gcg						243

<210> 3509

<211> 426

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(426)

<223> n = A,T,C or G

<400> 3509

cgcctgcttc	gcttgcaaac	ccaccttcgt	taccttcgcc	ttctttctgt	cgctacaaag	60
accgcctcag	ttcttgacta	actcactgct	cagactccga	tccaatcaat	caaaatcgtc	120
aagatgaagt	cttctctcct	caccgttttc	ggcctgggtg	ctgccgccgc	tgcccagagc	180
tccggcgacc	tccctcagtg	tggtcaaaact	tgtgccagca	acatgatcag	cgctgcaagt	240
cccaggagct	tgatgtgat	gctggtgacg	ttagctgcct	ttgcaccaac	caggacttca	300
tctacggtct	ccgtgactgc	tccgtgctat	ctgcaacgac	gagcaggccg	ctgctggtat	360
cgntacgctc	ttgcctntgc	cgcaactggg	gtcagatact	actgggtagt	gtgnttccgt	420
tccgct						426

<210> 3510

<211> 438

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(438)

<223> n = A,T,C or G

<400> 3510

cgacacccta	tcaaagtctc	tgacctcaca	actttgcaac	ttattcggtt	tttaattctt	60
gattccccag	gtttcacaaa	taattatcta	ataccactga	naaaccactt	attttcaacg	120
atcaatatac	atacttgaga	ggtatatgca	agtattagtc	tctacgacaa	cccaaaggtc	180
catctatcgc	cactctgcct	aaatcactat	cgactctgcc	cttgcgatgg	caactgggga	240
ctctaacgat	tccaacgatg	ccaatgatga	cggnntcaac	ttcggacaan	aaccattcgc	300
cngggctctc	atcccccttat	tcgtcatcct	catccttgga	ttgacagcaa	ctgtcatcca	360
aatcaaacgt	cggcgccgcc	gtcgtggaaa	ccaatggccc	agctcaaata	cccaaacacc	420
cacatattgg	ggacttcg					438

<210> 3511

<211> 610

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(610)

<223> n = A,T,C or G

<400> 3511

gaacattacc	cgaagctctt	ctgcccgaatc	catggntatc	ggaaaaaccg	tggcgacaga	60
cttnttttcn	tgaaaccngc	caactgggatg	agaatacaac	ggttcccccg	aattatcccc	120
gagatacctc	agcgcgtaaag	ttgacacngg	aggtatgatc	ctcactgaga	ttcaaaatga	180
actaagttga	ttttgaatgg	ccanatctta	cagcaattga	gccctgatac	cgtcactgaa	240
taccgatctt	cagcattacc	ggngngntca	ggcaacaata	caactctgtg	ttcagatgcc	300
gttccgatca	atcaaatact	gggattgaat	ttgccctcca	aagtcgtttc	anatgacttg	360
ttcaacgcct	acttttgattc	cgcgcactgg	ttcatggctt	gntcatgacc	ttnatattcgc	420
aacgatchnat	gccattatgt	tgacagggca	agctacgcc	gaagatcttc	cgttttnggt	480
tgnttgatgc	tggtcttgct	atngagctng	atatttaacc	gaaataaatt	ttctttnggg	540
ggggaaaaca	aacctggacc	ctnttgaaaa	caatttnttg	aataacncac	ntgtgccttt	600
ttggatattg						610

<210> 3512

<211> 111

<212> DNA

<213> *Fusarium venenatum*

<400> 3512

ccctatttga	aatcttttaa	taccagtaa	gaggcttccc	aaaggaggca	aggatactcc	60
aggatgcccc	tagctatggc	aatagacata	gtaatatgat	ttatgacccc	g	111

<210> 3513

<211> 317

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 3513

tgatatcatt	gatttagacg	aatgcatcga	gatagcggat	ccagccatgg	atcccaagat	60
gccctccaga	gcgggaatta	cttttgggat	agaacggcnt	gactgcggcg	ttgaactttt	120
gggaattcca	tttttagata	gagttctgat	ttggcttgct	tgatgcaaag	actcaagcca	180
aggaggtggg	ttggttcctt	tgatgatggg	tatttgatac	ctggatacta	cttgatcatg	240
cttcaacctt	aacacgttgt	gattcttact	tatgattgcc	cagtatataa	ataaaagagt	300
cactggnaa	aaaaaaa					317

<210> 3514

<211> 398

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

<400> 3514

gatgcaacta	ttttatcttg	gtcgtcattc	gccgtattct	cgccggggagt	gtgacatact	60
ggctctccaa	acccttcact	tactctgcct	ggttgcaactg	ctcacttgct	gtacctttga	120
gaacctgttc	ctctatcacc	aaggggttta	tggtgcttcg	ctcatggata	atattagata	180
agattaaatg	ggtggtttta	ccaaggaagt	ttgtcgagta	gcaacttggt	gtatttttagt	240
cgtacgtttg	ttgagaatag	gtgggtataa	tgtctcaaca	cgcgatactc	cttagacagt	300
gacgcgttgt	ctctttgggt	tgtttcttag	ctggcttgat	cttggtttcc	ttaacattgt	360
tttatttgtc	ttagaaaaaa	aanaaaaaaa	aaattcat			398

<210> 3515

<211> 152

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 3515
nntcactcat gntactgngg naacctgcac ncaactttcc acaggtggtn atttgtgtta 60
acaagacnga cagntcgncc tttgcagagt ttctgntcta ttgcttngga anttangctt 120
caacggttaa ancaaagaan cgttttntnc tg 152

<210> 3516
<211> 128
<212> DNA
<213> Fusarium venenatum

<400> 3516
gctcctccaa tgactcaaca ggcgattgac aagctcaagg aattcaaggg cgccgttgtg 60
aatgatcttt ccgagaaaca aaattagtat cagaacggtt ttttcccaaa atacacattt 120
gatgcatg 128

<210> 3517
<211> 615
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 3517
ctcactttct gtgacaaaag cagcgatgag gggcaacttt gcangnggg gcaattttgc 60
tgagctggag gggagctatg atgaaatgtt tctctgccac gtcggaccgc tatcagttga 120
attgcggtgt ctaccataa cattaatccg ctgcaactct gccggtcgac tcaatagtgt 180
gtacaagtca tcataaggca gtcattgggc tgcaatttgt tgatattgag ctgtggtaga 240
ncatcnatcg ggatggatga ttcctacgag tagatatgcg ctantccatt tatagattaa 300
agcgggcctt cttgaagatt ccagantggg caaattctca tcgatgtggn tggnaagttg 360
aaaatcaatt gcaaatactc aacatcaaga ctttnattct cttnatattc acaacaagn 420
catcctaatt ttctcgattc aagcaaatct aaaaactccg acaacatggg cgatccana 480
cttaacgagc ttnttaaatg gagcatcgag caatctgngg ccccaaaaat gaccccaatg 540
ccccttcacc aagaacaact taccceaaac ttatngcgcc cttatggggg gccctccacg 600
cggnetcatg aaacc 615

<210> 3518
<211> 546
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 3518
cgacgattaa tgatgttgcg agtcggattt cacagatgga aaagactatt gagtcgtttc 60
gggcacaaca ggatactgct tcgccgagc ctacaacacc ttctgtcgcg tcaacaaaca 120
cccctgtcat ttctggaaat gtgactgcta gtgatgcatt ttcaaatacag gctgttccgg 180

gacgtcgaga	gggtcttttg	ttgaataaa	gaaaatacag	tcattatgtt	aatgaagttc	240
ttctctcacg	ggttattgaa	caggaagatg	atgtacgaac	agccttggca	acgccaagag	300
acgaacttcc	ccacgacgtc	aactcttctc	ccttcaaccc	catggccctc	ctatctccca	360
gtttctcaac	cgaatcactt	gcaagctatc	atcctcccag	aaaaacagct	atccggttat	420
ggaaaatctt	tgtcgaagtg	tcaactttgt	ncaaagtcag	tctcttcac	tcgggaaaca	480
tactctcncg	tgganaaaaa	acctacaaag	cctcnantgg	aaactgacct	ttgtttgcta	540
ttttta						546

<210> 3519

<211> 840

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(840)

<223> n = A,T,C or G

<400> 3519

tttttttttt	tttatctaac	atgtctatta	actcatttga	cagtaagcca	agattaacgg	60
aaaacatatn	tacaaactcc	tatccgaaaa	actntgaacc	gntttttattc	taaccagatg	120
caagggaaac	cctcgtctta	ctctctccca	tccttaaaact	ccactcccca	ttccactcct	180
ttctccttct	aacctcaagc	tcaacatctt	tnttgggctg	ataaataggg	gccatgtcac	240
ctgtgttcag	cgccgggttc	cttgcccatt	gacctgaagc	agggttcata	tcgcaccgca	300
cagaaagaag	agccaacaca	atcagaattt	ctgtcgangg	caaactgtcg	cgcagggaca	360
aaatgttggn	ggtgcgcccc	atgccacgaa	aactgctcga	cacgaccgat	ttcttgtccg	420
gatccctntt	ttggcatgaa	ccgatatgga	tcgaanacat	cagccgaatc	tcccatgtag	480
tttggttgg	gtgcacnggt	tggccaggca	ttatgacnaa	ttggncagct	ttaaacanat	540
ctttgtcgtc	aagagtgnat	nttccgtcac	ctttcgaatg	tcgcatgaat	atgtcttgtc	600
cgtgggggtt	ctgataaana	nataaaacaa	aggcatttgg	tttcaacgct	gnacgtncac	660
cacaaaccca	gtnttttgg	tccactaaca	gctggctcga	taattcgcgt	cgcacttngt	720
naaaaaggta	aggccggaaa	aaaanttcgt	aaatggncca	aaanatgatg	gggtctgggg	780
ttggcaaac	tcgacatgcn	tttaaagggc	caattcncct	ttagggagcg	nnttcaaata	840

<210> 3520

<211> 274

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(274)

<223> n = A,T,C or G

<400> 3520

cactgatgac	aagattgagg	gacagattgt	ggtacgagga	ccgancgttg	cgggaggaga	60
ggtcaacggt	ggcntccccg	gaaaanttcg	acatgataac	actggtgctt	atgcntaacc	120
aagggttttg	acaaaaacntg	cattgggntg	gggtcgatag	acacatcgat	gtcaaattcc	180
aaggattcag	ggatcntttg	gcccagtttc	ataagctagt	agatacaaga	aatgatttaa	240
gaccgcaata	agaatttctt	ggtatttttg	gttt			274

<210> 3521

<211> 186

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(186)

<223> n = A,T,C or G

<400> 3521
ngctatgagc gtncaatanc ccganaagta aggtttttta atgccaggag gatganttgg 60
tgcaagggtat gaagntngaa gtcctatcca ancgnctcaa ggantnccct tcatgaactt 120
ccaanatgtg ttgnagactc gnatacntac tggatacatg nnctcagcag acgaanactt 180
gcatca 186

<210> 3522
<211> 192
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(192)
<223> n = A,T,C or G

<400> 3522
ggagctntta naaagctcaa taagcctacc gtcatccgtc gccagtcgtc gtnaacaaat 60
caactccccg ggtcgncgat accacaatca aattaccgnc gcaatgagtn tatactatgg 120
agngggcggc attgggtcat ttctgaccat cgntggaggc tatatgctnt ttaccggcag 180
nggtgagtc tt 192

<210> 3523
<211> 203
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 3523
nttgtnnttt tattactatt atgcattatn aaatggaatn ntgacatatg gcaaanaaaaa 60
aaggggcctg gacnctaaaa gtgactgtca acctgtgact nccgtaantg actggncagt 120
tggcggaact ccgtaaatgc atntgcagtc actggattaa tgcacntcgg atgaaattta 180
aantgntagg tttttttttt ttt 203

<210> 3524
<211> 502
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 3524
tccgttgtat gattacaccc agactcgcat cgacaaaaaa aaaaaccatc agactttaat 60
aattccatgc tctactggaa acgcctctga acaactgtta tccgcatatc catattcaat 120
cgtcaaacgc ctgtcatgaa cgccagttct tttaaatcta ctatgcacga attccattgt 180
tgcagtatgt tacttcaacg gcagctgctg gttttgccca ggggttgata tgttctggac 240
aatgtgcgcc agcgcacaa tcaactgcctt cattagcaac tgcgcaatac tgccaagccc 300
tttggcgagg agtgggtcaa catactctgc atgtccatct tgggatcttg tggccaagta 360
aaagtctcgt tgatcctgtc tgccctgtgt cgtctggaag atgacatggg cagactcata 420
gctgtgacag cggaggagggt tggcgtggca gtcggtgtca atnggggtct tgatncaatc 480
ttacttaaac atctggtaaa gc 502

<210> 3525
 <211> 290
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (290)
 <223> n = A,T,C or G

<400> 3525
 ccacggcctt tctganagca acttccgact ntggatcttt tttgancntg atagccaaat 60
 tgggcntgat acacancatg ctantnttgg aatgttgctt tntgtcanct tctttntttg 120
 gggacntggc gatgaccgtt gtacaanct ccagggcaac atttccgcnt ttcccgancc 180
 agtntggntg ctgcnaantg aggcgcccgt attngggctt tttgtagtac tccntaacia 240
 gcatagcact agggaaatag atattancta agtgaaaggt cgagggacac 290

<210> 3526
 <211> 177
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (177)
 <223> n = A,T,C or G

<400> 3526
 ngcctgtcgc aattatcttt tagcattaac gtttgaaaga antcattgac tcagtttctt 60
 gaaaaaaaaa aaanaaaaaa nttctgcggg ccgctctagc atgcattnta aaanaaaaaa 120
 aaanacttct nggngaccgc ttatnecatgc atattagagg gccnatttca accttta 177

<210> 3527
 <211> 158
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (158)
 <223> n = A,T,C or G

<400> 3527
 ntggaaangg anctggatg gacagaaatc nacntgcaat ncacgaaggn tttggtgccn 60
 tgaangcaac naaancaatg gggggngtgc tntcaccnga tcattctctc tgacctagga 120
 ctngatgncc gactncttct catgcaattg ntggcttg 158

<210> 3528
 <211> 380
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1) ... (380)
 <223> n = A,T,C or G

<400> 3528
 ncgaatcgtc accatcctcc aaacccacc cagtttctntg cggcggagtn tatngaacnt 60
 ttacgggtaa anttgaanga tttgtggaac gantgttaan angttcgaca tgganggcac 120

gttattgatg	cgnggggttg	tactttggca	naaggcattc	ttntttgctc	agagnttcaa	180
gcttntaaga	tgaaaatgtg	ttgtctgaaa	nactcaacnt	ggtanaaccc	atgagctgca	240
atcggntcca	ggttntttta	tnttccgnt	ggactggacc	ccntgaaaaa	aganaaacat	300
ttttggccaa	agtncaagcc	aattgccttg	naattactgg	atancaatcg	nggggtntta	360
tnttgtctnt	gtagnganc					380

<210> 3529
 <211> 610
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 3529						
gagacaaggc	atctagtccg	ccgtttctac	cgaatacatc	caaatatcac	tttgctatac	60
aaaatatacc	tcttttattc	tattgagata	atcaatttct	atcaattcct	cttgctctcg	120
ctcagttacc	ctctgtaagc	tgtgtagctt	cttggttagtg	tccgcgtcaa	tgttctgctt	180
gagatctcac	tctatttcaa	tgggaaaggc	tacttggggg	tttacggttg	ccttacataa	240
aggctcacc	agacgagtat	aagtatctcg	tcctccccct	cttatgtcct	gaatttcggg	300
acgctcaata	tcactcctct	cctcctctca	tccttcttat	accgncaatt	caactcatcc	360
agaccatcct	gctctcagcc	taagacactt	attcgcttct	gnggttttga	tatatatctg	420
ngtcgtcccg	tcgcatcaag	cccttccttg	gccctagtat	cgggccattt	tgtcccactg	480
nccatatgac	cgacctacct	tggttttgtg	tgatgtggcc	taaggcgatt	aaaatcncga	540
cttgnaccgg	tncgtacttt	tcctnctaag	ctaagtcccc	ggaaccanat	gnccttnagc	600
cggttaagga						610

<210> 3530
 <211> 337
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(337)
 <223> n = A,T,C or G

<400> 3530						
naaaaaaagt	cgaacaaacc	cgctatccgc	tcttttttctg	tatgggtgtc	gccatgctat	60
tgctcgatta	ggncaagatc	gaggggggta	tcctgagacg	gancttttga	tggagaggcg	120
agtagtacag	nagcccgtag	cgaaatattt	agatctttgt	tggggagcgc	aaaagagttc	180
cgagattttt	cttttcttctg	ccttactcct	ctcttccttt	cttctctctac	acatctctat	240
cctccccctc	ctttgctgaa	gtttcgcgta	tactctgcaa	atctcccca	tcgctaggca	300
cantggccac	caaacaagcg	aactgccacc	actgttg			337

<210> 3531
 <211> 323
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(323)
 <223> n = A,T,C or G

<400> 3531						
naatctgggc	atctgacggg	caatgtntct	gacttnttta	ctcaggaaag	gcatagatg	60
tgnaaatga	cggaagcnc	tgagtntcc	aaaaatgtnt	ttatggntcc	tactcccnaa	120

caagggagcc	ctgaaaaaca	gaacttattg	ntgagantcc	tgacagtgat	cgcaagcagc	180
gattcctcna	ctttncatcg	gntggcagta	ttcttccacc	aacgtgggtcg	cactcagaag	240
cagacgggnt	cctcgaaacc	tgtaaattga	tctatcatct	ggcnnatggt	tcgtatncag	300
aacctgaacc	aggtatgagc	aca				323

<210> 3532
 <211> 129
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(129)
 <223> n = A,T,C or G

<400> 3532	
nttnacagcg	atgcccaga
cgttatcatt	cgncatgct
tctactaaa	
	60
	120
	129

<210> 3533
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 3533	
ccatcttcct	cttcacctgc
atacatcacag	actcaacatc
tgctcttcatt	cgtcttcctt
actcgccctgg	ttactcctct
gagctcttgg	aactgtttgg
cttggttctt	tgactcaacc
agantgcac	aggatatcat
ccaagatgta	ttatctgctt
aataagtgt	ctccactcgc
caacanataa	atcggaatt
	60
	120
	180
	240
	300
	360
	420
	480
	540
	589

<210> 3534
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 3534	
caaggatttg	gcttcattcc
tcgatttcaa	gttcgcccgt
gtttctatca	naaacggaaa
actaggacca	naacagactg
gtatcttttg	taagtacatt
acaagttata	tccattcaac
ccttgtgggt	tgatgatggg
	60
	120
	180
	240
	300
	360
	420

gtcagggctg	ctggtagctc	gtttttgggt	tatcagtatc	cagggccggt	cgagctgact	480
gaataaaaac	cgnttggctg	aactatcgca	tactctttgc	atcgngtata	atcttccgcc	540
cgttatagcc	ctcnactttg	aacagtgggt	aacggataaa	tacagattna	cgagtgggtan	600
atctcgatct	tttgaanatt	ggagggg				627

<210> 3535
 <211> 101
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(101)
 <223> n = A,T,C or G

<400> 3535	
ntgattgggn	60
ttggaggacc	
tcgagaanat	
cctaantgna	
tacatgnncc	
tcaggcagac	101
cttaaaacta	
aggnecatgct	
agactnaagc	
atgcaagggtg	
g	

<210> 3536
 <211> 633
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 3536	
tttttttttt	60
aaaaaccttc	
ggatgattac	
tcgagataca	
ttctaagtag	
cgccgtgcag	120
tctcctatga	
ggctgccagc	
ccgagcagtt	
atcccttcac	
cctttgacac	
aatcgcaacc	180
ttgtttataa	
ccgctcgcct	
tggttgagac	
gtgggaatga	
nacaagtcgg	
tgctgtttgg	240
taagcccgtg	
atgacatnct	
tgtcnccccg	
agttcctcgg	
cccattagag	
gataaagcgt	300
cggcctatca	
ccaatgatga	
ttttgaccgc	
gtatccgtgc	
atnaagattc	
caccgccgat	360
atcctccagc	
ttttactgct	
gatgtgaaaa	
aacaaaaagt	
atcagaaaag	
aaacacgcca	420
ntataaaaagg	
aaaagatgag	
gaaagggggc	
aagtaatccc	
cctatgggga	
agattgacca	480
tgatcaacan	
aacattgctg	
tatgaatccc	
aagttcagta	
tgcatgatca	
cacctccccct	540
acataatctg	
atcctgagtc	
aagccgacgt	
gaggatctgt	
gtccatgacg	
tcntttccccg	600
ccttggttaa	
ggtcttcacc	
aaactcaagt	
tgnggggacn	
accgccgttt	
tgataaccct	633
ggaacttgga	
aaaggcagtc	
tcagcggctc	
tan	

<210> 3537
 <211> 660
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n = A,T,C or G

<400> 3537	
ccggggcccg	60
acccgtcaaa	
gtggtggatg	
aagaaatgga	
ctttttngaa	
agcctcaatg	120
ntgggctttt	
ccgnggagaa	
taaccgttta	
cttcacatag	
agcacaaaac	
gatacccaaa	180
agttgatatt	
attctacntg	
cattcaatcc	
ctttngaccg	
ggttgaaacta	
ctattttctgc	240
cgcaccagac	
ggcccaaatc	
cgatatgaag	
tgctcactcc	
ctacgactag	
gagtcgtaac	300
accgcaaacc	
atcggacttt	
tgttgatcat	
ggataggcca	
tcggaacaag	
agatggaaaa	360
acagtaaaaa	
gcaagcgatt	
ttgaggccgc	
taaaccactc	
ggnattgnat	
gccagaccc	420
cacgccagac	
accctttgac	
ccttattttg	
aggagactgn	
ggggatattc	
acaaaagtgc	

cgacatgcgg	ggaagccgtg	ggggtttgct	cggacaanac	ccgggggagag	gttaatggcc	480
catgccagca	gagacngtca	aaggaaaggg	cttgctccct	caattgcggt	tgatgcgggt	540
ttgaaggagt	naccgagtca	nggtcatggt	tggggcnaaa	tcccaaaatt	ntgctttgca	600
caaagaaggt	ctgatgaanc	aantcgtggg	gctcgggttc	aatgtnata	aaganacccc	660

<210> 3538
 <211> 221
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(221)
 <223> n = A,T,C or G

<400> 3538	
nttgagtcca	cgatttccca taactcctaa gcggcgagga tgacaagcga tggaataacg 60
ggaagcgatg	aggctgggaa catcaagcac gaacaaggcc ttcagtgacc agggataaat 120
gcaggctacg	tcattactag cgggggtatta aactatcata ttgtgctact ttgcacgatt 180
cataaaattt	ttgagtaata aaagttaacg atgttagtat g 221

<210> 3539
 <211> 163
 <212> DNA
 <213> Fusarium venenatum

<400> 3539	
cgaagacgtt	ctcgtgggtt caaggtctaa gcggtttatg gtgaaaatta ttggccttgg 60
gtggagttgg	ggccagttta tggggcaa atgcccgaac atcggcttgc aaatgggtct 120
tgcattgaat	tggcgtgcct aggtatcaca aaattctaca atg 163

<210> 3540
 <211> 525
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(525)
 <223> n = A,T,C or G

<400> 3540	
gaataataat	cctcaacctc agtcttcctc caaaccaaga ttggactttt cgtccgtatt 60
tccggttttt	cgtcgcaatg ccaagcttca agtgctgccg gtaaaaggaaa tttcagccgc 120
accgaaccac	aagcctcttc tcttagatgt tccggatccg caaggattca gtatagtctc 180
ggagccgacc	ccaatccaat ccagcccagt cagttgagcg atcgattatt aagcttgtaa 240
cacagctccg	cgggtgccga agctcgaata gtcttggttt gcccaatagt cgactgattg 300
ttgaanggga	aatggcgagt tccagctatg ccgatgctgt catggtaact atgcagctct 360
cgagtgggtg	acgtgttgat aancgttggc tgaagataca ttcacaattg ttcagttgat 420
acagcgaagt	cgatcggctt ncgtataatc cttganatgt tcttccctgc gatctcaatg 480
tgtntaggan	atcctgccca atcnccagg aatcctcact taaca 525

<210> 3541
 <211> 430
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(430)

<223> n = A,T,C or G

<400> 3541
cgctcatctt gttgaagatg gcatgacggc cgatgagatc cgaagactag aagaggagga 60
acgacanttg gacgacgaga ttgaacgtgc agggagacga tagtgctgcc tcgcaatgcc 120
agaagctatc tcggtcgaaa agtcgaggga tactctcggt tcttgcatca tggggtttgg 180
agttttcggg taatgacatg tctgatcctc acggtcgctt tgagctggcc actcacttat 240
gttggtgtaa atgtgtgagt gagtaccgta gtgggtgggt gattgataac atctatcgcg 300
aaaataccgg agccttttan tttcaggcgg actgaggaag ggacaaaaat ctatgataat 360
ttgcttaatg tgcacttctt gaagcgtata taaaccatga agatcagttg ttaatacacg 420
ttatttaggt 430

<210> 3542

<211> 483

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(483)

<223> n = A,T,C or G

<400> 3542
gcaaccagct atcactgagc ttntattaag ctacttttta ttgattagat accatccatt 60
acctcaatac cccattccaa acacaccac cgtnttggtc caactgtcag taaccccacg 120
cttctaagcg ccggggatc gggttcgttc attggttcgc tgtttcatac aagcctcatg 180
tcttgacaaa ttcccggtaa atagaatgag tgccgaatga ttgcattcca tcaaggctgc 240
ctacatgtgt accgctcatt ctggagggca agcaagggtan tctcaggggt atcanaaaag 300
ttggccgctg gaagcacaag anacaaaatt agtgaccag tttatgggtcc ttanactacg 360
tattttctatc cccaaggct gaggagnca acttttcccc tacttactaa atagcccagc 420
agtttcacaa ggaanacgat tggcgtttat gctatatcgt gtctcgacca cacaatcatt 480
tgc 483

<210> 3543

<211> 595

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(595)

<223> n = A,T,C or G

<400> 3543
cccaaaaacg gttatcgctc aactcatcta tagagttccc aggcgaattc tcgcagattg 60
atctcgcccc atcaatcgac gagcgaccgg ccagttttgg catggtgtcg caacatgggtg 120
tcagccgagt tgaccggtta caccgtgacg tcgatttgct cggcagctct gctgagcttg 180
tcgaagatcc tcccgcgaga cctcgactt gatcctgtcg tgttgatcgg tgtcacaaca 240
aatgatttgc tgtttcccaa cgcgattgcc cgccatgaca tgctctctat aaacacaacc 300
atcacctact acacccttta cgggttacat cttaatatta ttttcttttt gtttggttac 360
cctcaggggt aaacgctatc tatatgatct atagatcaag gtccataagg attttgcaca 420
tgagcacaca tgctctcacc tttctccttt tctctctctt tttggttacg gatcatacac 480
attcaatcac agccgtggag acntgaggag gaacacaagc tacgaaagta caagcgaaag 540
gacaggcggt ttacgtgaat ttcgtggcca tatttgctct aactgggggac ctatc 595

<210> 3544

<211> 240

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(240)
 <223> n = A,T,C or G

<400> 3544
 natcttgnat cctcaanttt tcatcaagta cacttcgcca agaaggactg ngangaaatc 60
 aacgctcttn acactaagng nctggatntg cttgatacga cgancctttt ttagaacggc 120
 ggcnacaanc accgattcgc tngtngcat accccgagcn atctttanta tnctaaccga 180
 aaacacattg gtgggtatct ggncaacatg gaatacgttg ttgancacta cccgatcaaca 240

<210> 3545
 <211> 583
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 3545
 atcttttgcca cgattttatc aacccttggt tgccaggagt tgatcgctcc acaatctttg 60
 cccacattga aagcgattcg ttggcagcat gtctaagtca agaaagaaag ccacagcaac 120
 ggtgagccat catctacaga tatccagcta caaggatggt tgcgcagggt cctttcgatc 180
 tacctcaacg cacagaagcg cgaggcccc caatctctca catgtgtcaa gaactgcctt 240
 atggccacga ctattctttt cactggagggt caaaaccacc tgccagcttc cgaagccctt 300
 gtagcacgtt atctagacga gctgatggat tgctcactg atagaatgac tgccaggatt 360
 ggggccaact gcatcagatc catactgctc cagtcgtctt cgactggcgc tgacctcagc 420
 attgctcgct acttggtccc caagctggta gcttttgtga ctgacacgga noctgaagat 480
 ccgaaaacgc aagggccttg gttgctcaca cgctttgcca atatgcgggt acagttgaca 540
 agggctcgacn tctancacca ttacagtggg gggtacccga ctt 583

<210> 3546
 <211> 301
 <212> DNA
 <213> Fusarium venenatum

<400> 3546
 cgatcacgat gatgttatga agcgattcgc tgctgccggt gttcagattt cccagattgc 60
 caatgaccag gagcccgtgg acctgagcaa ccaggagaac actgacgggtc tgtggaacga 120
 tttgttgacg tactttccaaa aggccgctac ggatacagag cacaagatat tcaagtggcc 180
 tgctgtcacc caggttggtt acccttacag tcaggaaatt taagaacggc agggatatga 240
 aataaaatat tatgatgttt ttagcgcttt atagacaata gaaatgatat ctaatcacct 300
 a 301

<210> 3547
 <211> 144
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(144)
 <223> n = A,T,C or G

<400> 3547
 nacaaggctt tgactgtant ggtataaggc gancntagg tactacatga nccttgaaga 60
 ngacagacct gatgatgggg aatanattca tcaatctaac atcttcgntg ataaagnct 120
 tcatttacga gngtccaacg aatg 144

<210> 3548
 <211> 485
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = A,T,C or G

<400> 3548
 gaacgggtcaa cgacttggtg atatctcaat cacaatgccag gagacactag atccttggaac 60
 tccaaccatt acgccgcccg tctctccggg cggcggtanag aggcgtcggg cgcgaaaccc 120
 tctcaagaac atgatgcaac atctaactgt ggatccccct ccggatgatg atgttcgtga 180
 acccaggaga gcttcgctca tacgccgcat cagctggggc cgcaagancc gcagtccttc 240
 tgctcattct gatagatcag gaggtcnacc tcaagatccg aatctatgca ccgcctgtgc 300
 tggttgggct gccgacattg actctacatt cgataccntg gatgactttt ttacaagggc 360
 tctaaatcct acttctgcag acacttcgaa aacaaganca tctctaggtc nactnaagga 420
 ctggaagaaa accgcttcct ctcnaaattt ctctctgcaa atntcctctc agtccacatc 480
 ccacc 485

<210> 3549
 <211> 109
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(109)
 <223> n = A,T,C or G

<400> 3549
 naggcgaaag aggnccgcna acgagaggct gttctcggaa agaagggcaa gaagaaatag 60
 aggatanatt atgacagact tgacgattat gatcaatgaa tanatcctg 109

<210> 3550
 <211> 631
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

<400> 3550
 cgaggggcaa cgtgcgtact cctatccgga ctatgatgcg atcagcttac cgggtgcaac 60
 aaaagacggc aattcagtct caaggcatgg attcatgcgg cagcgcgagg agagcatgac 120
 agatactgat gtgtcgccgg gaatgtcacc gggaagagg tctttgtcta gtgtgtgatg 180
 atgacctgtg tgatgccgtg aaagggatgt tgtgttctgt ttttcctagt gacgccttgt 240
 tgtggaaacn aaactgcaca cggatttgca cttgtgatga tgatatctca gtgtcaagat 300
 ctaatttcat tcttaaatc tgagaagcga aaacctgata tctaactcat ccgcaaata 360
 gtcaatgctc cgctgatgcg cccttcactc ctgggcttcc agcagggccg aatactctgg 420
 aaccttccat ttctcatcgt gtcctaacc aaaaccttca tcgagacgga gataggatcc 480
 cgctcgtgct atcgagtgg gcatccanat tccaaattgt gtttttggca tgaacaatgc 540
 ttcgcgantt tngttccctt cgccgngccc agangtccgc catcggccga aacactttct 600
 tgtatcgggt tacgggctta accactgggg g 631

<210> 3551

<211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

```
<400> 3551
acttttgagta cgcgcaagcc tcagctactt cacttcctag tttccactac caaacaagac      60
aagatgtcaa cttgaagcta tttcttctct tctatgatcc ggactaagcg ctcggcaaag      120
cctgacacac ccacccactt atgtacacca cccgtccccg tgctctgcct gtctacctct      180
cgatccaagg caaggatagt ccacccacca ctctttctga gatcgactta ttccttgaac      240
atgggggggg tactatactt tattatggac atactgtcgt agtagcagca tcttgagaag      300
cctcatgatc cttgccccac atcatccgac tccaaacccc agcgccgtca tcacttttac      360
ccaatctctt tgcttgnctt tgcccccagc atcgccaaga ctttgaaatg ttttgaaaat      420
ctgttcgggt ccatgagata tcagcgtatt gnacatcaac cgggtgggaaa cacttcggcg      480
tcattccgnc cgcgtgcgtc aagggtccag tcagtacaag ccccatgtt cctcgtgca      540
anagaccctg aggacgatct ctgggtcttaa cgggcattac caccnatctt      590
```

<210> 3552
 <211> 585
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

```
<400> 3552
cagatacatg gtgttgaaga tgacactaca gacaagtgcca tatcgctcag catgatagtg      60
cgacacatac gcagaggtat atatccgctc tctttgttct ctttcgcttt atcgggccc      120
atctggcaat ccggtatctt tccccatggt ggtccctatc atcatcttg caactttcaa      180
cagttgccgc gttagacgtg ggtcgggttc tttcccatct tgcgategg cttcccagac      240
tcccacgccc acacccccaa tagcccgatg ctttctcatg actaaaggct atcgtgcaag      300
catattagtt ctatgcttga tcaacttcta cgcttcaag ataggtcgtc ttgtggtctc      360
aagcacaac tctatctttg ccttggtgctt ccctttctgt catctgcata ctgagttgag      420
tgtgagagcc aatgatctct ttccaacact tttacccaat cctactaaag atatatgcgt      480
gggatgcatg catgaatggt tcaaagcatg ttgnatctga acngtccatg tttcnggctt      540
ttgtggcccc attcacgttc acgtttcgat tatgcctcat gtgtc      585
```

<210> 3553
 <211> 163
 <212> DNA
 <213> Fusarium venenatum

```
<400> 3553
ccaccagaac cacaaccatg ctcatgtgga tgttggtgag ctatgcctag gtggtctgag      60
atgatcaaga gcaagttgag tcgattatag ttattgtacg cttagtctgg gcttgaccaa      120
gcagatacat agcttctaaa gaaacagaga gctgaatttc tag      163
```

<210> 3554
 <211> 427
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(427)
 <223> n = A,T,C or G

<400> 3554
 naagtgcac cggcatttga ggcaaaatag tcagtcattc ggacttgatg gcttttttgg 60
 tgtgacgcca tnttttnttt ggtgtgngg gtcattttan aatcatcctt gtcaatcgga 120
 tcagataact cagtcaactt atcaatcacc ccactanaaa agttcgctc ggcttcatct 180
 anaaccttgg actccattat tcatcgcatc gagtctccgc cagcgtgtcg attattacta 240
 ctctccgtat agnaacggga cnaaaagtaa ccctactttc ttgggctgcg aaaaaagtag 300
 tgcagnggan gcccaaanaa gctgcaagtc acaacttggg gtgattgttg ataaccangg 360
 angggtcgtt gccaacgttc nctttgcagc tgtttaaacn ctttaattcac aaacaaaaag 420
 aatcggt 427

<210> 3555
 <211> 422
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 3555
 caatctacaa cgaccagttg cctcgagatg caccgggtggc tcgcatgac aatgtgaaga 60
 tcctctcaca cgttgaggcc gatgtcagcc atattccgga agaccagctt tctcgtcgcc 120
 aaggctcaga cgggcaatgg tactacgaat tgaactgcaa aatagaggca gtctatctct 180
 cggcatctac tacctatact ctactttaca acggccagcg atacaacaca gtgacgtgcg 240
 agtatgtcta atggtttaca cggatcctgt tgaaccgta tgcgaaatt gatatgtatt 300
 ctgattgngt tctatctttt ggtgcctgcn gctttgcaat tccccctctt tttagggtgaa 360
 tgcattgcgc tattcttaat taggcttctt cttattcatt tgacttgggt tttaccaatc 420
 ag 422

<210> 3556
 <211> 630
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 3556
 ccatacttag aatcattcga ccctctttta ggccatgagc gttgaagaca tatttatctt 60
 tcaacttgtaa gattttgttt tgtaggctt ctaaaacact caacatcagt nngggctttt 120
 ccctaccttc atttactcga cgcaagcacc cagagacga ttggtcacat acaaagaata 180
 ttatatacag ccgaaacgaa ctgcaagca acccaccata aggaacagtg acggcaacag 240
 aagtgaata catcatatac tgtcacacag acgcaatact tgggtgcacga aaacagtcac 300
 tatecgccca agctcatacc attctcttgg cgaactaaat acaccagatt tcttggttaa 360
 cttttagagta tcaccatttt gaacctggct acaatcgatt aactgatcaa caaatactcg 420
 gtaaatacgac aaacgatacg atggcggcag atcaagggtt tggaggccca gttgagcggc 480
 cagacggagt ttgtcaacgt cgggccctgg gcctaattgt gaaggcgaaa ccccgaccag 540
 agaaggagac caccagaaaa ccatcagccg acgaaaangg acgaggccnc ccaatcatca 600
 caagtnttac cgcgcgggta tgacaatgtt 630

<210> 3557
 <211> 632
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 3557
 tgttgaaact cacgatgctc attgtttctt tgaacgaact gctcgtaata gttccgggtt 60
 aaagtgcaac tcgagacctg aaagttcgat gccacactac tatcaacaag atcagcaaag 120
 ggcatgactt gaacgagaca ttanaaatga tcaaggcgcg ttcagctcag cttttgggcc 180
 ctggtatcca ataaatggcg cgctatnaaa agatccggcg gcgatgattc actatcagac 240
 agcctcgatc agccacatgt ctctgtaagt gattggcaac tcgagcatgg cttnttttcc 300
 gctgtgataa gtccctatcc ataagcaatg acgcagtcgt tgcggtgaat cgccaagaga 360
 taaatcgaag ctcttgcatc gaccaaatac aggataggct caaacaattt gttctcttgt 420
 tcgcnaactg gggaacaaga gtcgttttaa ccttggtttt aacctcaacg atgnnggggg 480
 ttncacagag ttttatcnga gcccgattg acatgttgac tgaacatgtt caaattgaaa 540
 ccncctacct gggggagtgt ctactcaaca tggccnctgn tgggatnttc tgaangca 600
 gcaatagcaa gggaactntt ttgataaaaa aa 632

<210> 3558
 <211> 224
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(224)
 <223> n = A,T,C or G

<400> 3558
 gaccctcgac gtgatncacn ccgccccacg acaccctcgt cctggtnaac gaccaggagt 60
 cantctggct cctgagaact ccaacaccaa cgtcagcggc ccttgagtt gctagaatta 120
 cnccnaatt ttgaaagcat tgatttttaa acacctttta tcacctacc ccatatacct 180
 aacctcact tgaatctatg ctggcacgct attctgcacc aact 224

<210> 3559
 <211> 258
 <212> DNA
 <213> Fusarium venenatum

<400> 3559
 cgaaggagta caataacggg aatcagcact ttatctgaat tggaacagaa tgtagctgct 60
 gccaaagtcaa ttctcaaate gacaaaggca tctgagagct tgcaggatta tactgagctg 120
 gatacacagg cagtgagag tcgttccgaa ctgtatgagc atattcgatc aatgcttggg 180
 acttgggtag actatgactt tacagggaag aaagcgaagg aataagatag cactactaga 240
 actaacatat ttatcctg 258

<210> 3560
 <211> 590
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 3560
 ctgcgggcgg cagggtctt acttgccgag tttatcattc atctctccgc caccgtgaca 60
 gttactctgt acgagaatta ctgttacaac ggtgtcactc tgtataattc aagaccaggc 120

aacccattac	catatccatt	cggccaaaggc	tcgcaacttt	attatctgtc	ttgcttgagc	180
ttgattcgcc	atcaccatt	ccaagctcca	gccttggtga	catttatcaa	cacttttaaa	240
tcccgggcaa	ccagtggatt	agaccaggtc	caaccatata	acaacagtcc	tgactcggct	300
gacactcagg	gcaacgactc	caggtggtag	cctaccggta	gcctttacca	gcctcgcgtc	360
gcatttgtgt	tctcgtcaac	tgatantggt	tgcatgggtc	ctaggataaa	ccagcaaacg	420
gtgtccaaca	agctcatcat	aacatttttt	ggaatcctgc	ctcgttggtc	gctcgggtgcg	480
tcgctcgat	tccgtatctt	acactatacg	ctacctaata	tatctacatc	cacatcaaaa	540
aaattccctc	caggggggtgt	acgtctactg	aaccnnccc	ttttgctttg		590

<210> 3561
 <211> 225
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(225)
 <223> n = A,T,C or G

<400> 3561	
ngcaagagga	cgatggggta
cgacataaga	anagaaangc
naggatatcc	gccaatggca
60	
acgaaaacgt	ngatggagca
ttatcatngc	tgntatgctg
ccaaccttan	ctactgngct
120	
tgnccttgatg	tacnanccgg
cancttggn	cttgngnggt
tgactacttc	attacnacna
180	
taacgacggg	cgctccncca
gttttttttc	cttncaaata
aaaaa	
225	

<210> 3562
 <211> 618
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 3562	
ttatcgatcg	agttcggcat
gttcatggag	cttgccaagc
ggtaaaccctc	aaaatggatc
60	
acgctcagcc	atcccgccag
ccatcaaact	cagaaaagcg
aatgtcagcg	gccaatgctt
120	
tgcaaccctt	gtcatggcct
cacttacaag	agaccatcgg
cgaagcacta	gcttagccag
180	
actccactca	gggtcttgca
aggacctgtc	cagttaggcc
gtcgcctctg	ctcaaccctt
240	
caaacgcccc	atcgacttgt
ctgtctggcg	aggctttgcg
ctcgtgattg	ccagcgaaca
300	
cgtcaaggat	ttatcccaaa
atctcccat	tcaaggcact
acaaccaata	aagaatctcc
360	
aatctgcaga	atctggtctg
caaatcctgc	tcggaagatg
cacgatatgt	ccgcgcacaa
420	
gagttgatgc	gataaatcgt
tccgcagctt	tagctctcta
caaagcttat	gggtcttgca
480	
atagcttgg	cgaatgatca
tgatcaaaan	gcacccggcg
atcacccatt	gccttctcaa
540	
tttggtgggt	cgggccccaa
cgattgattg	taaganccaa
tncatcgatt	gntttcgaaa
600	
cagatattat	tccgtgag
618	

<210> 3563
 <211> 130
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(130)
 <223> n = A,T,C or G

<400> 3563	
ngcggccata	tatacntatt
ttattgaggt	ngaaaaatat
gacatactnt	cctggnacac
60	

aatatctttc aaccacagcg aacaaattca taaaanggac ttggttgaaa tttgccatgt	120
ncacatttgc	130

<210> 3564
 <211> 169
 <212> DNA
 <213> Fusarium venenatum

<400> 3564	
cgcgattctg ccattccgac agacggaaga agacttggag atggatgatt gggatgagga	60
tctcgacggg ccacgacctg tcaaggagac tgctacagtc gccaatggag atagcgacac	120
attagaacca ccatatacac catcttttgt cctccgaaaa aaaaaaata	169

<210> 3565
 <211> 247
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(247)
 <223> n = A,T,C or G

<400> 3565	
natntttacg ccttgttctt ttngaacact tcatcagcgc gctaggaggg catcatgttg	60
tcctctattg taagaggngn atgggtgata cgggtggccg accaaagcat gtcattggtng	120
ggcaggtgtg ccctcaaaat ctacatgtga angatatgcc tgtagtggnna aagagtagtt	180
tcgttggang aangttgact ttggaagact taaaatgagc taatagattt tcttttatgc	240
aaaaaaa	247

<210> 3566
 <211> 145
 <212> DNA
 <213> Fusarium venenatum

<400> 3566	
tgtacgagtc caattccact taagcgacag cgtctgtttt gtgttttttag catttcatta	60
tccaaaagg tagagagaaa cttatctaga gcggtcatat attcatattt tatgaggtag	120
aagaatagac atactatcct gttac	145

<210> 3567
 <211> 174
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(174)
 <223> n = A,T,C or G

<400> 3567	
ntctatcgct cgntagaaaa nngctctgaa aaagactccc ttgcaccgtt aataacatga	60
tgtttaacaa ncttggtatc anatacatcc gctaaagagc acagtttacc tcgaggnggc	120
tccnggctg gttgaacnct tttccnaag aggggttggg nntttttgta ggaa	174

<210> 3568
 <211> 562
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(562)
 <223> n = A,T,C or G

<400> 3568
 gacgctgcga gaagccgtga cccagctgcc ggtgctgcag gtgctggcta cagcgagtct 60
 gcctctcgat ccgagacgcg cgacgcctat ggaggcgccc ccgaccgaag catccagtaa 120
 atgcatcgac gacgtttacc acgacctgac tgatttatct gtcaccgcgg tcttttctcc 180
 tttcctctac taacacacct gctttacttg ctcaacttcc tctgttaatt gttattcctt 240
 cggttgatttc ttttatgttc atggactaca gcagactgaa atcaggctct gcttacacag 300
 gagttcagtg tgatttgcgga cagtaatggg attggaatca aaaatgggta ctcggcctgc 360
 gtcacttgag ttttcttatt gctggtcggg tttgcgacaa ggtcacagat ggaccaaata 420
 tggcagcttc cggatctttg caaatcaaac acttcatcag tcatccatcg cgtcttcgac 480
 gactttatga tagcttttgg cagcacaaca tcaaccagat gtcgactccc ggcctaatacg 540
 gngaattccac atggactatt aa 562

<210> 3569
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 3569
 caaattctat ggccaagatt ctggtcgagg aagaaggctcg aattcttcgt gctgggtcacc 60
 gggtccgtgc tggtttcttc aaacaggagc agatcgatct gctcagcacg attgacgaca 120
 ttggttccga tcctatgcac gtgggaatgc taacccgaga tggccgagga tattggtggg 180
 gagctgttgg aactcgtcaa gacgaagggt gctgttaggg ccttcaaaga agacagagac 240
 gttgcactta agtgcattgc cgaaagtgc ccatancatt gggagcgatt tgtcgatgct 300
 cagaacaagt ccgtgccaac attagcattc accagcagca aagcaggggg atgcggngga 360
 cganaatgca attgccgatt agagtagtat caccctgagg acgggtgtgt agtanaagct 420
 tgtttggtgg ttgcatggca atgatttgct ggccattgag gggcanacat acatgtttga 480
 nggtggacaag aangacataa cttgcgcatt gacgcctgcg cactccttga ttcccatttc 540
 ctntttttct gctttgagcg gggagttatt aatctacnta caatctctt 589

<210> 3570
 <211> 300
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 3570
 tggcgaattc cggttcattgt ttgtcagtag cagaagagcc tcattatcgt tattgttttg 60
 tcttcgagta gtcnggggtc tacaagacan cccctcattc gaggtgaaa aggaccctcg 120
 ttcttcatgt tcttagactt tctagcangg tccaccgntt nctttccccg gcaaaaaaga 180
 cnacccctcg atctggctga atcttctagc catccagaca ggcggatgat tgtgttgctt 240
 ggcgggtttg cttgaaaatg gatccaattg aggcccgta atcataacaa gnnnggctgt 300

<210> 3571
 <211> 114
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(114)
 <223> n = A,T,C or G

<400> 3571
 nagctaaana tctcgatgac natgatctnn acaaagctgt ngagatgtn naggggaaag 60
 ccentatgcgg tatcgacacg tagatgacgn acagagtggg atcggaaga attg 114

<210> 3572
 <211> 728
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(728)
 <223> n = A,T,C or G

<400> 3572
 ctcgcatgta gtacataccc gagaatgcat taatcgtagc tcacgtcgct aataaccatt 60
 caccacaaac tctttcacgc aaagacagac catcttgggc cgcacagcaa cgcgcaaaca 120
 gtgacatgat ttggccatt gttcactgtg ccgattacag gctattgggt cattaagctg 180
 attctctgtt catttgttga ttgtgattca agtaacagat gttcgaatct attcagaaat 240
 caacaggcaa gtattaacat atgcccgaag ctgagtgaac caatgccagt tgtataaaga 300
 ttctgaaatc atcatgacca gtccaagaga actactcgat atcagccatt aacttctatt 360
 accaccaagt atccgcacac acattgaaaa tgaagttcat ttgggtattt accactcttt 420
 tcgctttcgg tactgctgac tcaaaccaat ccaagcaacc cagtcanggg acttcacggt 480
 cgattacaac tggggatgtg ggtgctgaac tctacacttg acctcgacag ctgtgcatac 540
 ctgctgaact agctcggaac cgcttccaag actggctggg ggacgatagg aacagccaac 600
 gtgatgagtt ggtcatctng gcttttgtca agtgactatc aatctggact ctttctcact 660
 ttgtcctcca catgaatggg aaaaagttag tcaagtcntc angggnaca aggaagggca 720
 acttaaag 728

<210> 3573
 <211> 434
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

<400> 3573
 accgacatgg gaggccactg gcgtcatgaa cgatatcccc aaaagaggcc gttgggaagg 60
 cgacgccgca cccgagccac caaaacgccc cggatgcaa cggactgnta gtaagcaagc 120
 cattcagaag gccagttcg acgtcaaaaca aaaagtthcc gatgccatgg atacagcacg 180
 tgctgaggag ttagcattgc gggagcttct tagttcttgg agggcagcca aggtacaact 240
 cgacaataac tcgatgccat tcgacttcga ccctctgtct ctgacttcc ctgcttgac 300
 cctccaatgc ttacaacctc ctccaactct cttctcatca acgcagcatc ctacatcgac 360
 atcatggtcc gtccagtcgc caggacagcg cgaattcgaa gctctacaga cttgggtcgc 420
 agggcaattc aagg 434

<210> 3574
 <211> 130
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(130)
 <223> n = A,T,C or G

<400> 3574
 nccanccatc naatccatga tgagtgcaca ngatcntctn tacgggcgca nmacatttct 60
 ctncancca acacttctga antcttnogc cgtcnttnga aactggtagc gaccnntcaa 120
 ggantactcc 130

<210> 3575
 <211> 259
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 3575
 gcnagcaatg ttatggcgac cagcaccaat gagacagcgt atgctccaat tataccacnc 60
 gatctgagcg ggtanatatg tcngtgtcta cagggcctcc tggatataggc ttgtctgtgt 120
 ccccgagctt tnagcaccga ggatagaaaag aagggtccagg gttgagcaga tgcaaaggag 180
 tgggcagggtg ttgtatntag taagtagtag caggccagac aagaagtaac aagcgancac 240
 cgtnttgaac anaaaaaan 259

<210> 3576
 <211> 457
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 3576
 ntttcaactt cagccgacat acccttcgca acacttnatt attgctcgtc accaccgaca 60
 gcgcttgatt tcaactatac atcaattaaa gcctcttccg acaacgtttc tgcgtcacct 120
 cccgaacagt cgtaaactat acatatattc acagacgcca tgagtgtcgc attcnagcct 180
 cggagtttca tacatgangg gggataccct cccatnngtg acgaccacga ccatgatcac 240
 actgccgatc aacgatattc agacaacgat gtcgccgagc agctcancca atacacaacc 300
 gaggcgtcaa tgcttcagac tccacaggcg ttctcggaga cnaccgaggg atgatgccag 360
 acgatgctgc tgggtgtacac gatgcgactc aacttgactt ggggcacccc acattcccct 420
 ccccatcga ggttactatc cagcagcgtc ttctgaa 457

<210> 3577
 <211> 629
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 3577
 ctcccataccc gcccatntgg ttccgtcttc cgtccgtcct cccggtgcct tcccgccttg 60
 gatcaaactt gttccccttt gctcccgcac atcgccttta cgccgtcgtc gcaccagcac 120

tctnnggggct	caatattaag	cacagtacta	aatctgtact	atcgntacgg	cccttctctc	180
acaatcaaac	tactgagcta	ggtcattacc	tagccactc	tctccacgag	ggacccgaac	240
gacctcnctt	cgaccaacgc	taaatcacac	cgattctcgc	atatccgtcc	acctttggca	300
ccacatagga	cctcttggcc	ggcgtatctt	tactcaagtt	gngacctct	gacccctgag	360
gccgaataat	ctcgttccaa	tactgcactc	atacttgata	ttcctcacac	aacagccatc	420
tgntggacta	agcataggca	aaatttgacc	caacgcactc	cgctaaatat	tcgaggggtga	480
tggcacgcaa	tctggttgaa	cttcaccttt	taataacccg	tttttgcccc	gccaacgtan	540
anatctctgc	gcccttattc	caacccacag	ttcacacacg	attattatnt	tacgacttga	600
ncggcaaaan	tttaaaaacc	tnggcgaga				629

<210> 3578

<211> 482

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(482)

<223> n = A,T,C or G

<400> 3578

caacgaggtt	gaattcttgg	gattcctgcc	cagccgtctc	gagaatgccc	tgacgacttc	60
tgcccgacag	atgaccgatc	gtattttatgt	ggttgcgctc	cctatcgacg	gtgccaacat	120
tacagttgct	ggtgagagca	gcaggttcgt	ctttcangac	attactgaag	aggtggattt	180
gatgatctcc	cccagagagca	aggacgaagc	gcatgaggaa	atttaaaagg	cccaacagtt	240
agaaggtggg	ttttatgtca	catgaaatat	cactatataa	ttacatccca	accaatatgc	300
aaaaaggctc	atccaatata	ctaaatatat	cgctagtttt	ggctgcgccc	aggttgacct	360
tggttccgtt	tctatttaag	gattttgccc	ggcttgangg	atgggagttg	ccttgattta	420
caaaaaacgt	cttttcaaaa	gggagaaaga	tttttaagac	cagncgacca	ctgaccatag	480
gg						482

<210> 3579

<211> 117

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(117)

<223> n = A,T,C or G

<400> 3579

nngtacggct	tgatagctnt	acagctagna	catatanmca	cataactgtg	anccnatacc	60
accatncctc	taacgaatat	acctatgact	aggagntn	gatcatgcgt	ttncaga	117

<210> 3580

<211> 600

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(600)

<223> n = A,T,C or G

<400> 3580

ttcatgtcaa	acatgcagcc	tcaaacgggt	cttgctccctt	tggtccggcg	cagccctctt	60
caacagggat	gaatccgggc	gtgcattgat	ccaatcaggc	aacatcaaca	gcttttacgt	120
catgcaattt	gaccaataga	ggagattagt	cggttatgct	cggctatcca	aaccagaagc	180
caagacgacc	tgatcaacga	atcataacac	agtgaatct	ctgctcaaac	tccaattcca	240

cttacaacac	tcaattcagt	ggaattatct	gggggggtgac	ggaagatcaa	caccgctgtt	300
aatattcact	gtgatgcacg	agttggtggg	acgcctgcag	tctgcaaaac	ttattttcga	360
aacggtgtat	gcagatacag	catcatggcc	taataccaag	aacaatggaa	aaccaaagaa	420
gtgttccag	gtgtcttgtc	atggctagtc	atatcatgtt	gatgagacaa	gtcgatcgaa	480
tacaacttgg	ctccatgaac	atgcttaatc	gccatcacaa	gttcgtacgt	gcccgtgctt	540
gcattgtgcat	atcgacacac	agctgcaaaa	agtctgtcct	gcaattcgag	ctgatgcgan	600

<210> 3581

<211> 628

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 3581

caacaacatt	gccttctttt	attccgtctg	ttcaaaacac	tacacccaag	cccatttcaa	60
cctgttatac	tcgaatctta	ccattgtata	acaaacaaat	ccttctgata	ctagactctt	120
acttataatt	tacaaagcct	ctcgagttcc	tttcgactca	agtcagtgtg	tgggtcgttc	180
gccaccatcg	tcgtctcagc	attctctctc	tgggtcttagt	tcgacaggta	ccattactcg	240
ctccagtgtg	agattgtgtt	actttataca	attccggcgc	agaaccgctt	cctgcggttg	300
tctgatgctt	cagtcttttt	tgtcgcacgc	tctccgttca	cgttttataac	aatcaccgct	360
tcattggctc	taccattatg	agtagacaaa	ctaccagtc	acataacaaa	gaaagcatgc	420
cggcctcatc	gcctcccagc	atcaaccact	ttcaattcac	tttcaactgt	tcagcttcca	480
attccggaag	aaatagtctt	atcgagccag	aaccctgatg	cacagaacat	agactcagaa	540
tcttctgaca	gacagcgtac	anaattttcc	cgaaaaaatc	gggcgcacta	tacccttacc	600
nggctggggt	ataccncttt	tccaaccg				628

<210> 3582

<211> 584

<212> DNA

<213> Fusarium venenatum

<400> 3582

tgccattca	ttcacacctc	tattgagcta	ccaagtctcg	gctgcagatt	atcaagaggg	60
cttgtcggag	gatcctgacg	catcgcagtc	ttaggagcac	gaccgaatac	tcaagatcac	120
agtctagttt	ttgcatggta	ccatctccga	ccaattgaca	acgacccctg	ttgatctggt	180
ggtaattgtt	ggagatcgat	tgtttttcgc	actggaattc	taaggcgccc	gaaagttgag	240
cgggtctcta	cccgaatcca	acccacgctc	gtcccgatat	ttgcttcaag	caccgcatat	300
acatacggtta	cgatggcttc	gatattctct	ctccgcgggc	tgttcagccg	ccaagctgct	360
cccgcgcgcg	ctacaactcg	ccttttctct	acgacagcaa	acatgcttgc	ccgcacacct	420
ccgaaacccg	tcgcaaagaa	gcccgcagta	actgctccac	gacgaaagca	tgtgcagcaa	480
aagtccgaaa	acttctaccg	cattcgtact	ctccgccaaa	acatgttctc	tcctgcgccc	540
ccacccctgc	gtatggcccc	tcttcgatat	ctccgacatt	ggac		584

<210> 3583

<211> 171

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(171)

<223> n = A,T,C or G

<400> 3583

ntgtgggtca	cgctcaatac	actgngctc	tgnatcagtn	ctcncctcgt	gtncnaggaa	60
cgttggtatc	tancactaan	cctcaccagg	gtgaccgcga	tntgacgatc	cggggtccca	120

tcaacactga naagnggctt ccnangtcaa aacgtanccg ccnaattngt t

171

<210> 3584

<211> 552

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(552)

<223> n = A,T,C or G

<400> 3584

cttccaagaa gccncagtn	ctaaaaactaa aaacatcttt	gntacccctc actactccta	60
ttctccctcg tctaaggagc	gaagctccaa ggacaaatgg	gcggcactgg gtgagcgacg	120
tcgagctcaa gctgctacct	ttgattctat taagtcggtg	gaaatttcta agccccgacg	180
acacaatttt ggttttggt	acaacaaatc ttacgaagcg	ggcggttggtg atcattctaa	240
ttatcataac aaatttggtg	ccgctaaaga acggtctagt	attaaggagt gcccttgga	300
caagggaaga gattggaact	ggcgctcgga tagacgcacc	gatctcggag acgttgagt	360
ggttgagggt tggtaaacgg	gattgagtc ctacaacttc	caaagttagt ttggccgtct	420
tgagtcctcg gggcgatact	cgaagatatt tcgtgccgtt	gcttggtatta tgacgagagc	480
cttactcgct ttctgtgtat	aggatatattt agaaacaatt	caaataccag aagtacctac	540
tcaaaaaaaaa at			552

<210> 3585

<211> 611

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(611)

<223> n = A,T,C or G

<400> 3585

gcccgttttc tggatcccg	cctcatatca tgccaccact	ccttcaccca aagtcgcgaa	60
tgacgtcgtc nntcttcgca	acgaccgtcg ccgcctgctt	tattgtcgtc acaatccctc	120
atatgcttcc ttgtcctgtt	ccccgagccc gattcgccga	tgagatatt atggttgacn	180
aaaatggctg acgattaagg	tggagganaa aggatgccaa	tcccaagggtc gaagatggaa	240
tcgtccaatt caatgatgtg	tcaaccgagg aatctgaaaa	cgcacacgac agagccaaga	300
gggaatgtcc tctaccgaan	ccaggaggcg tgtaggcna	atggctgggt tttcataaaa	360
acgataatga ggcggggcga	tgaccgacgg aaattgttcc	aacaacttta ttcaaactac	420
atcgagcaca ttccncccaa	tcacatccga tccaatagcc	ttgacagcta caaaaatgga	480
ctgggngggg cgaactcctg	cnactctcgt ttggctggtt	aactnttatc acnaaatatt	540
ggntgggcaa cacttacngg	cttacaaaat ctnaaaatac	nggatggact nttttttnaa	600
aaagggtttg c			611

<210> 3586

<211> 498

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(498)

<223> n = A,T,C or G

<400> 3586

ccgaccacca acagggcaga	cctggatctt ctgtccttca	ctcacganaa cacgttattc	60
anacaaacaa actctctatc	acctgggtctg ccctccattc	naaaataaac ttcaaagctt	120

cgtacgtttt	gtctcgacga	gcgactggca	acaactatnc	tctgacaacc	cacacaacct	180
tcgacaaact	cgcccgatgg	cattgcagac	tttagcctgc	acagcgctcc	agttcttcga	240
gggacactga	tgagtgaagga	ctggcggaaca	aaaccatata	cacattcact	ncttgacaat	300
ggcaccatth	actcgcgccg	ctgtcgattn	aacacttgcc	cctgcagttc	aactccttaa	360
gancacggnt	cgaccttnag	tgacgcccga	ccgtcttggt	ttttacctgc	gaaacgacgc	420
ncaaaaanggg	acattaaata	cgtttggnth	nctgcccgat	ccgtttggtc	ganaaaatac	480
tnaacatgch	cgaactgg					498

<210> 3587
 <211> 615
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 3587						
ggctcacata	cataaagatt	gggtactcac	cgacaaatat	aaactctgcc	acaacgcgca	60
gcagtatcta	taaaaaaaaa	ggccgctatt	cccattctct	ntttctctca	gggggacact	120
ttcagggngt	gtttnttttt	actccacatg	gtccccctct	taagcgctgt	ttcccttttg	180
atgggttttc	tgtctttctg	cccgccagac	cgcgcctctc	ctnttttctc	tccaatatcg	240
cgaataccgg	tgagagataa	aagagagtca	agaaagaaaa	aaaagagggg	tccctgtttt	300
tacaaaaaaaa	gaacaggcga	gagcaaaaaga	tccctctttc	taccgcctcg	ttctttgagg	360
ngagtaagag	tcgagacgag	aganaactat	ccccacaacg	gnngggcaact	cacagacaga	420
gagacgacga	gacagatncc	gcctcatcaa	ttgtattatc	tttcgcgctt	aattattatc	480
ttctggnggg	ttggggggct	cattttgctt	attggagatg	agcgacaang	ggatcttgtc	540
ttcacgtgcc	acctatttcc	cctccctccc	atgtgancaa	gcatntatcc	ccgttgnggg	600
tatnccacac	ngtnt					615

<210> 3588
 <211> 140
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(140)
 <223> n = A,T,C or G

<400> 3588						
ctaatttggc	cgcctgcagc	acatanaaga	taccccantg	gatgcacacg	ganacttttg	60
taatcacgca	agatgtatct	atttacctgc	gcagagtaca	gagttatagg	ttatcggtg	120
attgtattga	ttgtnggtcc					140

<210> 3589
 <211> 270
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 3589						
cacgaataaa	gctcaccgac	gctgagaaa	aaagcgattg	cagggagccg	cattaaagaa	60
agggtacccc	acctgcanga	agaatcnatt	ggcgcttggg	aagaaggaan	ctcaaccgag	120
ggacgtctgc	ctttctggta	ttcaccggan	atgctatgga	aagaataata	cttcgcatgt	180

atggagtaag gcgactggcc gagcaggata tggatgggggt ttacagaaaa tatcatgatt 240
attcgtcttt ggggatatat atcctcctgc 270

<210> 3590
<211> 580
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 3590
ggaaaaagcg aaaagaaaact tccttgaagc cgccaaccgc tttgcggctc tcaaaatttc 60
cccaaaggaa agaaaccatg ggctgggcta atctccagaa ccaagggctg aagaatgttt 120
cagcacttga agaaacgaat gctcttgacg ggcacagaat taccagcta aagggaagga 180
aatcgtcca acctgaaaaa ccctccttct tgctcataan ggactgccct gttnccccag 240
caacaaaggg atacacggcg cttttatgtc tcangttgtg gagcettaca acccccaaat 300
gaatccttat ggcattggcg caccatgtc caaccagcaa gtcattggctg ggcaagggtg 360
ccnaagcga tctcctanaa cgagacaaag cccagccna gtcnacaaat caagggtggag 420
caagcagaca tgtcttcacc aagtcgcatg atagaaggac ttgatgatcc tattttcctc 480
catcncnagg cgattagcct ttccgaagca gttatcatta tnagcctttt cccngggtt 540
cagggttttg cgttccgggg gctgccagct cctatcttcc 580

<210> 3591
<211> 624
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 3591
ccgtcaacta ggatgattcg ccaacagggt gttttggagc ttcttgccgc atcagtatcg 60
gaagagcatt tctacgatat cgatcgggtg gcatttacac gcgcattagc tgaacaatta 120
aggatcagag cggcacgctt gagtcctctg tcagcggcgg agctacatgc gaatcttttc 180
tcccactact ccaagatggg acaggacaag catccagaaa aggaagttct aaccagcttc 240
ccgtcgccgc tgcattatgat gatgtctggc aactcaaggc tcccttccat ctttctctcg 300
cctgtatacg aaaacaatca tatgaggagt aacttctcgt catacgagaa cagccgcagc 360
tacatctatc aattcgacta gatgatgaca acgtggacat cgaaagtggg aacgagtggg 420
tgcgctctgat gcctganggt atcaaggnta tcaaagtcga nggtccgttc cgagctacct 480
taaatgaaca catcggtcc tgaaggcttg gttatgaaat gctgaaaaca tcattgcaat 540
ttccangcta nactccagaa cgggggttctg nccccgaaca agggaanngt tggtttccta 600
aatggaacat aaaaccttga tcgg 624

<210> 3592
<211> 192
<212> DNA
<213> *Fusarium venenatum*

<400> 3592
aacaatcact ccccggtctt ctatttcgag tagctgagga gtaggtacgg gtatgcaaaa 60
ggtcacagct tgggaacggg cgcgggtgaa tggcgattta tgctggctga gggtgattga 120
tctgtacaaa caaacaacaa atacgactta catcgggaga aataccaatc tctaattgatg 180
tcaatgattg ct 192

<210> 3593

<211> 278
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 3593
cagaccctac ttgtggagga ccgggcccgat cagggcgtga gcgcagctca atgggttgga 60
atgttgagag aaaagggtgt tcagtaaaac agcttggtta gcgtcaggcg tcggtagtcg 120
ggagaaatag gtcggatcag tccttgtaat attgtgatga ggagggattc aatcaatgac 180
tggagtcggg gtcctggaga tgcagccggc ttgttttttt ttggcaacag agatgcgaac 240
ggtatcaact agatagaatc aaatgttttg tgtgccng 278

<210> 3594
<211> 158
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 3594
nccgaangtt aggtntgcac tataaaaaaaaa aaacnnggatc cctgggttcgg ggggtggcana 60
acnattttatt ggcccctggg cgacngataa gatcccctgg ccatgcccgn tgggggtataa 120
aaaattnccc nggcctttac cgccgggatt ttcgggat 158

<210> 3595
<211> 442
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 3595
ccaaattgta gatcaaactg gagtagccaa ctggccccag catttgcatc ccacatcatc 60
tctatgatga tccaaaatga aaacgacaag cntatgtccg agctcacgct acgacgataa 120
ctcattttatc gactgatcga gatgcttcac gtcacgtcaa tgcagntttt tcaacgacag 180
cggctgacat ttngaaagca tactcagcca tactcccact tttaaatccaa acaacaggat 240
ctttggcaac aagggttttcc ccaaccactt gccatagtat tgggatcggg cgtatgtatg 300
cgggtttaaca acgcggtcgn natttcaaca atcttgtcaa gtgacaagggt agcatgccct 360
gtcaaagtca acccttcggg tgattagaag gcatccatcc tgggtctgca tccaacaatg 420
ataatctttg cagatnccag aa 442

<210> 3596
<211> 537
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400>	3596						
gctgatcaag	acntatatcg	caagactgga	agaggtggag	caggcantta	cgttgtccaa		60
aacaaggctg	acgangccga	canggatctt	gaagctcaa	gcctanccac	cgacgaagnc		120
ccccctccag	atcgtgcaac	agccaacgtc	ccagcgcgcg	ctggacgcgg	nggatccggt		180
aactacgtca	accgcgcaga	cctgcccga	gcggtggagc	aggacgagat	ggctaaaaag		240
acggctgctg	cggtgaaacg	natecttatg	aanaaccata	ntgtccgggg	aggtgggctg		300
ggcggctccg	angcgcggng	aactggaanc	atctnttttt	tcngggagga	ggagaggatg		360
anggaanaaa	ttgtcgaggg	gtgaggcttt	ggaaaagaaa	nttaggnaca	ccggtgaaaa		420
gggttgaaat	ncctaaaagg	nnatcatggc	cttatacata	aagcgtatga	ttattacttt		480
gntacggggg	gaagaatagn	gtaaattntt	ggnggaata	atnngtat	ttt		537

```
<210> 3597
<211> 565
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G
```

<400>	3597						
cctccccac	ctcattacgg	caccacttcc	agccaccagt	ttcgtttcgt	tccgtcccgt		60
tgagttcgct	catcaatcag	tcaagctttg	tctgctctgc	ttcacattgt	tccttcgcct		120
cttacccttg	gcttggett	cttggcctag	gatttcctac	cgttgctttc	gcttctcttg		180
tctctcgta	ccccccagtc	taggtatcct	gtaccttggc	tccggtcgtc	ctgaacctac		240
ctattccata	gccctgagat	tcacctcctg	ctgacttcca	ctctccaacg	ttgtactctg		300
cctgtctaca	tccgtactcc	gtacagtacc	attacctanc	tacctaacta	cctacctacc		360
tacacttgac	cagactcatt	tgctcgctcg	caaaacggna	cgggacagaa	canagaaggc		420
caaccccaca	caggcccacg	gccaaagacaa	gacaaggcca	naggcaaccc	ggcgccgtan		480
cagagcanag	canttgtcta	aaattccgng	tacnaagtgc	tgactccgaa	ctcgcggtang		540
nccggaqcat	tnccacacaa	qncct					565

```
<210> 3598
<211> 499
<212> DNA
<213> Fusarium venenatum
```

```
<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G
```

<400>	3598						
attacaaagt	tgagtatagt	gtacactcaa	actccaacat	tgctcatact	attcattacc		60
attccccaac	attacctoga	gcatcgactt	caacaatcaa	cgacaatggc	aacgcggcca		120
gagagagata	ttgaagagat	ggccaaggga	tggncaaag	ccatgggggt	ctccaaggcc		180
cgattacagc	gcgtgcacga	tcttgcanaa	natcaacttg	acgacnccat	caatgccggt		240
catctggttc	tnganaatgt	gtgtttgttt	attcatgcat	gcgtaaggca	tggacaattc		300
cgacctcctc	tgaacttttg	gcaagttctt	nattctgagn	acggtattat	cgtatatcct		360
ctgcattcca	ggaggacata	aatatccagg	attgggcatn	gagtgcacatt	tacggaggga		420
tatcgggcca	tattatgatn	tgtggggggac	acncncaagt	ttcctcctcc	tgccctttgn		480
tttatgcaaa	accaccccq						499

```
<210> 3599
<211> 179
<212> DNA
<213> Fusarium venenatum
```


<400> 3599
 ttctttacata ccattcgcgca aaggcacatt cttcaggcgc cgaccagaaa catgggtagt 60
 ggggttgcgtt tctagacgag acggcggtta ccaagggcac tcgaaccatt ggtgtggcag 120
 cgattgatga cttatgatag acatgtagca acaaaagaaa gcgtatccaa ttgttgccg 179

<210> 3600
 <211> 543
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(543)
 <223> n = A,T,C or G

<400> 3600
 cttttatcaac tttactacct atctaggcaa caacatcatc attattgtca tatcgcatcg 60
 cctattctaa ttcattgataa taatttgga ccattcagca ttgtcgccgc cctaaaatat 120
 ttcttgggac ttttatttgg aattttttcg tcgatctcgt cattcgtttt gcatttcctc 180
 aacctgggga ctccctctgt ttatcgctcc agtcagagtc gatctcatat ccaaagctgc 240
 cgacaagagt gcgacagcgc cacctcgctc cagcatccgt cgcacacgca ctactggctg 300
 cgtcactgaa cgcgccgaac gccgcaggat cctgcgccat tttgaatcac tacgacagtc 360
 tggccttata catggccccc gtgatgatca atctacatca tgggaaactg gtttcccccc 420
 tgacaatgaa ctgacaacaa ggccgctgcg tgatgtgctg anaaacatga atgcctccga 480
 agaaccctaaa agggaccatg ttgaaaaacg nctgcenctt ttttagggat ggagtactcc 540
 tct 543

<210> 3601
 <211> 662
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(662)
 <223> n = A,T,C or G

<400> 3601
 cggcttcttc actcgcgagg gcatcgcca agtttaccgt gttttgtaac tcttggcctt 60
 gcaatggcta ctggttgatc ttatcagatc tgattggacc tgataccgaa atcggttcag 120
 tggggtataa ataagtagca aaataaaatc tggagatgca aagatcgcat tgtctgtctg 180
 atagcagcca aaacaaacaa acagttcaga ttaatcatcc caaaatgtct tcacagccct 240
 tccagcaaaa gtcaccaatc aagattaggc tgcctgagcc ttatctcaca acatactatc 300
 tcgagcccat tgctgagaac aagcagtcct atcgtctgcg caaagacgag tctgcaaagg 360
 atggcaagcc attccccaa gctcttcacg gcgatgacct agtcttctcc aagatcccaa 420
 ctgcggaatc tgacaagatt cctgattctg ataaccgcga gtatgcgcgc gcgcgacgaa 480
 ntcccgtctg gttgctgagc tgggagaagg agacaccac actcgcccag acctggatgt 540
 ccttgagcac tttcttcgca tacactttcg acgttgagca attccgtctt ccgtcttcga 600
 aggccttttg ggccgaagac tggcaaggct ctctncaag gcncatnaaa gctnaacccc 660
 ag 662

<210> 3602
 <211> 226
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(226)
 <223> n = A,T,C or G

<400> 3602
nctggactgg aaatgtcttg gttncggacg cccctataac aggtngtgat cgtataccta 60
tccgcgtcgt cgactgggaa ctatctcagc ttgggtgtccg gcctcttgat cttggccaat 120
tcatanccga gctctggtcg ctgaagctat acagggacat agatgctggc gattggctca 180
tncaggcttt nggctgctgg ntacgggtctg gtagacaata actttg 226

<210> 3603
<211> 412
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 3603
naanttcatt aaaactgatc caaccatttg tgtttctcgt cgcagatcca ctgcgtcatg 60
agacccctat aaactctgga ctcgatatat ttatggacca tttttacgat actaattagc 120
ttgaccttcc tccaaaggga ctgtcgctct atctgtcatt cgacacatcc catctgtgct 180
actactttcg gtctttccgg ctgtanaana aacactacca gnttttttca ccaagcattg 240
caaacacaat ctagtcatte atccattgaa tactttacac ttactctaag acaatatcga 300
ggggaacaga tagattgcct gtttccaact caattatctt atatcatcaa ccattaacaa 360
ggaccaccaa tcgacaagat gagctntgng tacaagccng gcctttttcg cc 412

<210> 3604
<211> 626
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

<400> 3604
gtcctcattg acttgcagta caaggcattg gatgagatta ccttgtctca ctgtggtgaa 60
tcaagtatcc aatgttggtc gatgagctgg ttcttgtgaa gccatccatc tcaacttgac 120
aggcaggctg ccgtcaatag atgccctgtt ttgtttctgt ttctgtttga ttgaacccca 180
tccatcggaa tgattttttt cactccagac cacaaaattg aaacaagctt atcggcttcc 240
cgagcccgaa caaagagcac atcaatctca gattaaaccc caatcctcaa gcttggcaat 300
cacgatcttt actcgggcag gcacgggacg agaatcgaat attgatggga gggaactttt 360
gagcaaaaagt cctagatttt tttggttga tgaggttctt cttggtctga tccaccgttc 420
cacaaggtca aaaacttatg aggcatttgg caaacaacca tttttgacgg tgtccgctta 480
cgtatctgca gtacagtacg tactacagtt cacagtgttt gagcaagcgc tttctattca 540
attgagttgg caggtatnca tttcangcgt tcattcatcg gctgggaaaa gttgntgatg 600
gtggggcaan aagttganag aagaag 626

<210> 3605
<211> 329
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 3605

ctaacacaga	ggtcactggc	aaagaatcgg	atggaaggat	gaaataaaga	aaattcaaag	60
atgggtgatg	agactccacg	tggaagatag	aggagattaa	ttaatgtcac	atactgtaca	120
tactgtgagc	ccattttactt	ttttccttgc	gttttatgag	cttgggtcaa	gcggacgaga	180
gcgggagatg	acatcttcca	ttgaatgcat	gacgttgat	atcttctatt	cccaccatta	240
tggtgaggac	agacttgccg	atgatttaag	gtgttgatta	taggtagata	tgcntcaatc	300
aaacgatatt	gaagtcnaaa	aaaaaaaaa				329

<210> 3606
 <211> 483
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(483)
 <223> n = A,T,C or G

<400> 3606						
actaaaacat	tatatctctg	ttccaggcag	actacaaacc	taggcagtct	tagttggaga	60
gcccacgtgt	cttagagctg	cgacgatgcc	tattaaagct	gacgtagtgc	ctggngaagg	120
gatcccnttg	cttgtagag	ctgacatggt	gtctattaag	ttgccctttt	ggctcttagg	180
gctggnatag	atccctttcg	ggttgcgacn	atgcttttgg	agagngcgca	gtggagaggg	240
cattgactcg	gctcgtgccg	aggaatcttc	gtgcttggtc	attgcataca	agtntggggg	300
caaagtgttg	tgcgctggac	cctgaaaaca	ganattaana	ctttggtgga	tcaggtatgt	360
gcatttagag	ctatcgcggn	aagtttgccc	tacttatgcc	aagactttgg	anccacaaat	420
ggaagcgggg	gggccaanct	ttttacaaca	nttttttttt	gttantggac	aaantattcn	480
cag						483

<210> 3607
 <211> 597
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 3607						
atttgcaaca	gcaacgacaa	ctccccgaac	gctcttcgtc	aggccggatc	ctccagaaaa	60
tatctcatcc	agtcggacga	aacttccgca	ctcacaccaa	tgaagcgtga	atcgtagaan	120
tggttcggcc	gggtaaagaa	aaagcccatc	acaccctca	gaaaaggggc	tggtatcgggg	180
tatctcaacc	ttggccgatg	acggagaaaag	cctacaggca	gaaacaaaagg	ggcgggtgca	240
acccctaagg	ggaaaagctgg	atgcgctatt	gaaccgttct	ggtgctcaag	atgcgcctgc	300
tgctcgattg	actccccggt	cggctgcgag	gccaaacacc	atagcagaag	atctcgcttt	360
cccaggggcg	cgaagtactt	ccatttgaag	cggcgggtcg	agctaaagac	aggcctcccg	420
ttcaacagat	gcttacgccc	aaccgaacac	cagccgcagc	ttctacatcc	aaggttacac	480
cgcaaaacgc	aagatctccg	ctagcctcca	agcaagganc	gcaatcgggg	ctgcggcaca	540
aaccactttc	tcaactgcgt	ctggatgatt	tcaagatcaa	ccctcaggcg	aacnacg	597

<210> 3608
 <211> 207
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(207)
 <223> n = A,T,C or G

<400> 3608
 tcnacagatg agtgttggn acaacngacc taccggctcg tctaggtgat ataatcggct 60
 tcttttgccg ccttctgat cccgcagtcg tnggtgggtg tacattnatg agatctacag 120
 ttaanacaag tcaananata gactgangta tgagcgtggg ttacgatncg cttgtgggac 180
 atggaaaacg cacttccaaa atcatca 207

<210> 3609
 <211> 341
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

<400> 3609
 ctttttgnta ccctcctcca ggtcgntncg gcctcatggg atactgncgg ttattccttt 60
 nttntatata tcaactcgtct ttccagttng gactgggtga tcttcanatc atgggtgggac 120
 cattggnta ccgcatnatg ctgggtatggg catttgacga cgtttgtttg attaatccgg 180
 cgcctggngt ctantattct cctttcctct atcctgtcat gagagaagca gtgggtgttna 240
 agaggaggcc ttttctttta atgttgagaa cggngggcaa gctcatgctg gtgcataaaa 300
 atgatgggag gcggttntca tagacagncc ganttaatat g 341

<210> 3610
 <211> 267
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3610
 aggcatacgg tgtcagcagc cacacaatga gctgggacca gattcaagat cgcacgata 60
 gctggaagct tggcagcttg ccatagattt gatgtgggtat cgtaccaaga gatgatgtgt 120
 tggtcacttg catgacgtcc tccgtgaaga ggagttgtat aatagagtgg gatattgtaa 180
 agcatatacc ggacattggg atgtagcatt atgaggagta gaaagactat gatggtcggg 240
 aaaatatgta ttatatgagc ccaccga 267

<210> 3611
 <211> 274
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

<400> 3611
 natagcgttt cacctttcaa gcaacagcnc cggactganc tttgggcgga gcaagaggaa 60
 gaggatcccc tnttcacaga gacacatnct cgccttgatga accgagcanc gcnaatgtcg 120
 gtgccaggct tctatgangc tttcaacaat agtcatgatg atttaaggat gtccccgttg 180
 nggcccgtatc tatctaagcg agttggagga aanaccttat cttntncatt atggggaatga 240
 nttacccccn ncaatttttg gcacccgttc aaag 274

<210> 3612
 <211> 624
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature

<222> (1)...(624)
 <223> n = A,T,C or G

```
<400> 3612
caacctttaa caaagctatc accacgttcg ctatcctcct cgcctcctc acccttctca      60
acttttagga agtcctcgtc gactcctgtc actcgctttt atattacggn gccttgatac      120
tacaagaacg gtctcactta cgatcctctt ctcttacatt tctggacatt cgatctcttc      180
ctattgcgga taataaggaa cactcgctct gtacaaggaa tcctcatcgt ctacaacgct      240
aagctagaat tacctggact cgatcccaa gctttcgaag atcggctgtt gggttcattca      300
aggatacaag atcctcaact ccgctcacat gctcattcaa gcttgaagct actcgactca      360
tctttgtaca tccacactcg ctttacggat catcaaactc tcccaganag gaaaaaaaaac      420
aaatcaagaa cgccatattc gatcgctccc tcacctggat atttggaaaa cgacaactna      480
ttgcaccccc aacattccac agccaagatt tcagattctn caagactcat ctgcttttat      540
cttgggaaaa taatcgactg ggggaaatat tggattggta cctttgncct aacgctcgct      600
ttcaatccac aagttcgtct ttgn                                     624
```

<210> 3613
 <211> 628
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

```
<400> 3613
ggnggggggt taccacacacc aagaatgagt cagaacacaa gaggtcaaga caggaatgaa      60
tgacaacaac aacacaacaa tcaacaacca tgatcttttag agttcccggg cgtggccgaa      120
actttctcca tcaagagaaa cggtgccatg acccgaaccg gatacatgga agccttcac      180
ccccatcttg acactttcta gccctcgctg gactgtcggc gagctcggcc atctgccgct      240
ggctttctcc ccgcattgcg gcccggtcaa tactctatca tcatccgcta ttcttttctg      300
ttgaggcttt tatcaaagcc gatgttttat cttaggctcg gcgagtctat cttgtttaat      360
cattttcttt ttcacacacc atctgggtgg atcgcatata tggatggagt ttcattttat      420
ttattgcatc attagggcat gggacactgg atacagtaca ggttcttgca tcaatcctcc      480
aacactggga tgaatcaact ggtacacact tgggaacagg aacataaggg cataggatat      540
gccccnccc cagcatttca ttggttnacg gcgacatggc atggaaatat ttaaaaacct      600
taaganagtt tgggcggcct aatgcttg                                     628
```

<210> 3614
 <211> 619
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

```
<400> 3614
aggacatgtc tgcataggtt ctattggcat gattaccatc taatatcgac atttactata      60
gtcattaccc aagaaagggg tgggtgtcaa ggaaatggtc gacacttaat cgtgatgggt      120
catagcggan actcactatt gtttctagga aggtaggttg ttgagggagg tcgctccttn      180
tttacgagtt gcctaactga cctaatacacc cctcatcaca acaacatgga atttctcctg      240
aagtaaattc agcatctgaa ctgaataatt ctttcgttca ttcacgatc ggaataacca      300
cctaattgat catggcacga ggaaacacag gcaacgagga aagcnaccct ggcgtaatcg      360
ggtttcaagc ccaaaccaaa ctgattcanc tgaagaagga aaggaatgac cgcagtgtctg      420
agatcgtgca gcaaacagcc accgaaatgg aaaacttgcg ctctcgcggt gtcgcatttc      480
aacaagaccg acatgccaca gaacttgaag ccattgcttc tgctatcacc aggggttatcg      540
aggctnttga gcgcaggaaa gccatcgaac aacagatgga gacactcgtc gaccaagttg      600
```

cctntaccac ccaggtgng

619

<210> 3615
<211> 616
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 3615
tcnaatttga tataacattc ttttcagga tctggactac tctatgatat gcatctccat 60
cccattcatg acccgcataa tatcgtatgt atcttgctta tagttcatcg ggagggtcca 120
tcgtaaccog aactgtctgc acatcatggg cccgtgctat tatgcataca tcccttctcg 180
attcctatac cgccttcata cctaccggct tttnaacgtt ctcgcccgct tgccctgctt 240
tacttcaatt tgagccacgt anaccgcagc caatagttga ggctggagaa gtttctacct 300
tctttgggaa ctgcttgtag acaacatcaa ggaaagcata catattttcc gaccctccaa 360
tgtaatcgag tgtctccata atgggtctct tccattcatt attgaggtct cccttgacaa 420
cgcgttcgaa caattcgggtg acaacgacgg ccatttccat gccgcaacgc aagtcttgcg 480
aagttggtgg ctggtggtac acggnntcca ctcataccta naaaaagtgg ccgcttggtg 540
ctccttgggg ccccatgaa gctcggggng ctcgaanagt catggccntt nttgcccgc 600
tgaggaaaa aaggag 616

<210> 3616
<211> 199
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

<400> 3616
ntgcatttan aggncccaat tgnccctaaa naattccgtt tacaaatcaa angcccgggg 60
gnttaaaaaac gnttggaata gggaaaacct tgggggtttc naatttaant ggggttgagg 120
ncaattcccc ttttccanc ttggnttntt ggccaaaagg gccntcccgg ganctccttt 180
ccaaggattg ggcnggctt 199

<210> 3617
<211> 392
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 3617
tccaccgcgc tcgaatcttc ctttccccgc tcttttgctt gggctgttgt tctcctgcgc 60
ttgcctcacc ttcttcgaca acgacttttg tatttcagtc tcgctttgat aacttggttg 120
atcacttcca aacgctcggt gtgtatttta tccaactttg gtcattaagg aaaccgtaaa 180
gttgcttgga cgttcttgta tctctatatt ccaaacaccc gacgacgctg gccgctcgac 240
gactttgccc ctacaaaccc gattancgaa ccgattgtcc caatattata tatcttgtct 300
tgaggaaatcc tcggtcaacc acnaggacat atctntgggt ataatcacac tcacaccacg 360
necatccgaa ctgtatgaca catatctcaa ga 392

<210> 3618
 <211> 114
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(114)
 <223> n = A,T,C or G

<400> 3618
 tttttttttt tttngggggg cgacgcgnga acacngnact tttatattan ctttacctac 60
 actacctact aaggatttga acctacctac ctggtacctt acacaaacat gagt 114

<210> 3619
 <211> 102
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(102)
 <223> n = A,T,C or G

<400> 3619
 ncggtttttn tttcggtttg ccanagggtt acaantttan aactggggaa acctntgggt 60
 accnttttga anacccaagn catatnttcc cttttcgngg ct 102

<210> 3620
 <211> 413
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = A,T,C or G

<400> 3620
 ttttctctcc aaggactgat taatttgtag atgacttgag aataagtcaa gatcaattaa 60
 aacatcatgg aaagtgaacc gagagcgccg cctgcgttgg ctctgccgcc cgctccaatg 120
 cccgcatggg aggtcttgca aaatcttcag cagctccgac agaatacaaga tgagggacaa 180
 gaaagtgatc atgatatgac cgacgagggg tttgatgacc acgacgactc ggacatggat 240
 tcagctcttg gatctaactn ggcagattcg acttactcct tgagctcaag cattttcgac 300
 taccgaaccc tgcattggccg aacatatnat tcanatagag gcaactgcca ggcttcgaat 360
 gatgatcaag caagcgagtc gctggatctt gccaccnctt nacttttntt tta 413

<210> 3621
 <211> 483
 <212> DNA
 <213> Fusarium venenatum

<400> 3621
 cagactctca accaaagcta tcaacaatta agcataaacc ttctctacta caacttccgt 60
 aacccaaaca caaccttaac aacattcatc atgggctggg tcagtgcaga ctcaaaccac 120
 gctcaagcgt acgagacagt gactcaacgt cctcatgagg cagagtgggtc acacgaactg 180
 ataggtggag ctgcagccta cgaggctgcc aaggcctatg agaaccatgt tgctcggaat 240
 ggagagcctg atagccacgc tcaagcaaag gagatcttgg caggttttgt tgggtgcctt 300
 gttgatcgag agattgagac gaagggattg gattacgtcg acgcagagaa ggccaagcgt 360
 catggaaggc aacatgcaga agaacagttg agctacaaca acaaccaggg ctggaactag 420

aaccatgctg agaaaataaa acttagctat gttattaatt gatcctgaac gcaaattgat 480
aag 483

<210> 3622
<211> 341
<212> DNA
<213> Fusarium venenatum

<400> 3622
cgagaggact gtgctgggag aaaggaagat atcacaaagg tcgacgacga ctgctctcag 60
tgtgaaaaca agcccagccg attcaggctcgc tcgcgggtggt gctcagtcgg atgctgcgctc 120
tgccagttag ggaacagtct acaagggaac aagaaggag ggtaacggga atgattcgat 180
tcggctcgag taacacgggt ttgaatttgg gaatacggag tatggaggaa gggctttttt 240
ctgtagcaac cgagttacct ggagtttacc ggcttctcaa tttattagtt atgaatcaaa 300
tgattccaat tcactcgcat tggatatggt aaaaaaaaaa a 341

<210> 3623
<211> 603
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 3623
gtctccagcc agtccttcaa gtgagattgt ctcaacgaca cttccattcc ttcttctttc 60
tttccaaagg ctagtccttt tacctgtctc gacnacattc acggattgnc tgggtgcaatt 120
cnacccttna ttcacatacc caacaatcga gctacgactc ttcagtccta taccatatac 180
actcgattct gtcttgacga caatctcaca acctgaacat caaatctatc gccggaacgt 240
ttanattttac ctccctcatt caaaatgttc gcgaaggctt tcaccattgc cactttggct 300
tcatacgcca gtgctcacat gctcatggcc aaccccaagc cttacggaaa cccaggcaat 360
gcccctctcg acgcttatgg gcggacttcc atgcaaggcg caagtcaacg acggttcatt 420
tancaatacc tacaaggtag gnagcccac aacttttctt tattgggtcg gncgtcacng 480
gggagggtta tgccagtttn ctccccgac aagaacccac canggctttt gttggaaggc 540
atccttntat gnggggggnt gcctgcnaaa aacaaagccg ggaatacccc gaaaaagctt 600
tgt 603

<210> 3624
<211> 132
<212> DNA
<213> Fusarium venenatum

<400> 3624
caattttctc ttgacgaaat gtaaactgtt gaagatataa aaaagctagc ctgatattcg 60
ttcaagtact taaagaaata tcaggctagc ttttttatat cttcaagtac ttgaacgaat 120
tgatcatgga ag 132

<210> 3625
<211> 605
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 3625

cataaggtca	caaacacttt	ccaggcttaa	cagcctgtgc	tcgtatctcg	tcgctccttt	60
caacccccatt	tccttgtagc	gtcgatcact	tcccataacc	cggccctaaa	atgcaacacg	120
atcttcaaac	atggccgaaa	gtcaatacca	agaagcggca	ctgtcgcaat	cgtaatcgcc	180
cgtctttatc	aagcattcgc	cttttacaat	gtcctcgagc	tcaacgccta	catcttcggc	240
agcttcaaga	ancgcagccg	gtctatactt	ttgggagttt	tgctggtgcg	acatggggca	300
tagcgttcaa	tggcaccgga	taccttattt	tgcactctgc	gctgtcggag	cagaagtacc	360
tatactctac	actcattctt	atcgggtggt	gcacaaatga	tcactggaca	gtctgtgtgc	420
ttgtactcgc	gtttgcacat	tgtgatgcac	aaccagcggt	ggatgaaga	tggctctgat	480
tatgatcatc	gcccattgcc	tttggnatga	tcttctctgt	atcattctgg	tctatggcgt	540
aggtcntcca	accaacgcct	ttcagaaacc	naagaagtct	ttgaaaaaat	caacttacgt	600
tttct						605

<210> 3626

<211> 275

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(275)

<223> n = A,T,C or G

<400> 3626

gatagattgt	acagnggcgg	tctatgatat	atgtccttgt	ccatatccaa	acagtacgtc	60
accgttgtag	ggttccatct	ggtctatctt	tcagnggaga	tgaccaactt	ggctttccag	120
cggagacag	ttcccgttgt	tagtgtagcg	gtatcgagg	tcattgggag	ccgttggtca	180
ggtccgtctc	agggggcatt	ggaacttgga	atcacggggc	accaagacga	ctgttaggtg	240
ttgggtactc	tgtacgtggt	tacagaattg	atccg			275

<210> 3627

<211> 597

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 3627

gtgcgcttct	gtttcagaag	atgaaatcac	tatatggaga	cttcagctcg	agcaagaccc	60
agattggggc	agcaagcgcg	agtcacact	ggtggacgac	cttttcacag	aactcttgga	120
gcttcagagc	gtttgggatg	cgcaaagggt	caaaaatttg	gcccattctg	acttgcaaac	180
agcccaagac	gacttgaact	attgtaacgg	cgttctggac	actttttcaa	ctactgatcg	240
ttctaacaag	caaccaaata	gacgaaaaga	aaagcagggt	aaagttgagg	ctgagataag	300
tagctggaaa	gcagcttggg	ggcttctttt	caaacgcttc	aatggactga	tctctgccgc	360
tctcaaacia	gaggcgaaca	tgtttccaca	aacggttgat	gacatctttg	agttacccga	420
gtcatgggtg	ggtgcttata	agaacaagca	ggagcttggt	aggttactcg	aanatagatg	480
gatgcgttgc	accaagattg	ctgtccttgt	cattgagctc	gctcaatgct	ttgaanaagc	540
gaagcagggt	atggagggac	aacaagagat	actgggcatg	tttgggattg	gaagaaa	597

<210> 3628

<211> 246

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(246)

<223> n = A,T,C or G

<400> 3628
ngatacttcc tgaacttggt ccgccaaagt gatgaccagc gcgtcaaggt tgaggctgta 60
gacctcgaga cccacccgcc cggcatgcat taatgacgag gcatgtatac ccgaaggaac 120
acaatgcgga tgtatacacc tgnngtcagn gcttcagatc aagatggaaa anaacacacc 180
aaaaagtacg ggggtgaatt ggggaacganc gattgcatgt gttatgcctg atgaaagana 240
atgagt 246

<210> 3629
<211> 237
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(237)
<223> n = A,T,C or G

<400> 3629
ncggngaan aaaccngatc caccttntct ttaagcacc tgccttacgc gggcgcttctt 60
tttttnnacg tcctnanggg accaggtcaa catccntccc gcgnngtgct tgangacatn 120
gantccaatt gtggtgcatg cnggggntat aaaaaaaaaa taggttgctt taggtcttna 180
agaaggctgn tgggtgcttc ctntggaccc caagtaacgg ggcanggatn ttcaaag 237

<210> 3630
<211> 314
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(314)
<223> n = A,T,C or G

<400> 3630
ctcgccgagc ccaagcgtn gttatattatg tttcgaagta gataccgaca atgtaacaca 60
cgatattatg atgggtctatc ggtggtaata cgggaagccg ggaacaatga cgtacaactt 120
atagnggcgg aagaccgacc acattccgta gatgagttga cgccattgtg gtacaagaga 180
tgctggaaat cttttattta ctcataagaa gttgatcatt agagattaat gaatatgggc 240
caaggactac caacgggtta ttgncccaa ggcaaaaatc ccgtggctga aggtccgagg 300
taattgccat gatc 314

<210> 3631
<211> 567
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 3631
aggaaatgca gttactaaaa acatcaacct tataactctt cccttgatgc cgtctttgct 60
tggccttgct cttgaccgct cttgacttnt ttttccttaa gtgcttgaac tctgatgtca 120
accttggtct tttgatcagg ctggcgctcc gaatgtanaa cccaaccaac aactccgtcg 180
tcnacaggct ttgggctgta cttggacaag tcgataagtt gatctgcgat ttggttataa 240
gccattgcac accaaacaca ggaccagact gggatatcta tcttaccttt acattcactt 300
gttcccgcga cccagagagg aaggataccg tataaagcac caggtgcaaa aacggcaacc 360
ttgtttttat cattttcccg atcgatctgg tcggcttcgg gaaacctaac gacctcttca 420

atctcatctt	cgcgttcttt	ggtctctcga	gcacgggaaa	aagcgctta	ccctcgccgc	480
gggtcgctct	gntgtcaatc	cattcgcgaa	ccccaganga	atctgatcat	agttcatcac	540
agtcctcgcg	accaccagcg	ggaggggt				567

<210> 3632
 <211> 619
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 3632						
gtggnggtga	catccaagcc	ctccaacgct	ttgccaatgc	ccaggccggt	gctttccgaa	60
agattactaa	aaaatataag	aaatggngctg	gttctacaac	tcttgccact	cgtttatata	120
aaaacatcct	ctccgatcct	aaaagcttta	ctcgtcgcga	cttctcctcc	ctgcaacagc	180
gatatgacga	catcacctgc	actctcaacg	ccgctgctcc	cgtattgagt	gaacctagct	240
cgccagaatc	agcagctcat	ncttatcgcc	gccaatccct	cgcagggttct	atcaattcgg	300
cgcaccgtna	ttgtaccaac	cgttctcaac	ccaccttcga	attcctaccc	ccggcacata	360
tggatgagcc	ggtcaaatac	tggaaacgaat	acgacantgg	gagcgagtgc	gcggaacaata	420
acaggggata	tgctattttac	ataaatccctg	aagaaagcnc	ccacttcctc	gggttgacta	480
tctgcacggg	atntttacaa	ttnttttgaa	caaaacaaan	gggtgggttt	aagcacanta	540
aacccgga	gngggngggg	ctactnngggg	caaaccattc	cccttacaat	tttncaacc	600
aactttta	agccgcggg					619

<210> 3633
 <211> 443
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 3633						
aagaagcagg	agcttgccct	caagcgtctt	gttaccaagg	ccatgtcctc	ccgataaatg	60
cacaacactg	tttgagattg	cagtgggtga	gatatcccgg	agtactgata	ttggaacttt	120
tgataaccaa	ccaccctaaa	cgcctcgcga	ggggtgatag	ggtttaccac	cggcctgggt	180
ggaattttcc	tttgtcatta	acggttaattg	gacaggggag	atgaccaagg	catatgaaaa	240
gttctgcatg	tttcatgggt	atgccgctcc	cggacgtggg	cggntatgac	tactaaaatg	300
agagccgatg	gaaaacaaaa	agggccaag	atgattgtan	actcgttggc	cagggtttac	360
aaggggtgga	caatggcctg	tgaatttaag	catagatatg	gtagattgca	naaaaggaat	420
gatgctnttt	tacctattcc	aaa				443

<210> 3634
 <211> 138
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(138)
 <223> n = A,T,C or G

<400> 3634						
catatctnnc	catcgaangg	gcccataccc	cgggatctnt	ncttagttcc	agaaagcaga	60
aagtgggaca	acaggggtcga	gaccccttga	attatggcga	tttgatctag	aagatcccga	120

ttcagcataa ctcttcgc

138

<210> 3635

<211> 240

<212> DNA

<213> *Fusarium venenatum*

<400> 3635

gcctgggaca	ggacctacac	gcggtcggca	tctggatggc	gggtaagca	ggcgaatgaa	60
taatatcagt	gccagtctca	agcactttga	tgagcagtat	gaagatcgca	aatcctcaaa	120
aagtatctgc	gcaggactac	cagaatgcag	ctaatttcaa	tggctggctt	tccaaccga	180
gaaccatga	tgtttaaagt	tgaacttcta	aaaaagaatg	atagctctac	gttgctccag	240

<210> 3636

<211> 246

<212> DNA

<213> *Fusarium venenatum*

<400> 3636

tttcatgggt	tatgagcgcg	ggtggctaga	ccatcaggat	acggatattt	gatacctgcc	60
ctacgatggg	aaatgaaacg	gccacgacga	cgctacagga	cgcatgggca	tggcctcagt	120
agagaggccc	ggaagcgttc	atgaagatgt	ggaaatgttc	acgatagatt	ttcttttttt	180
cctttgggtc	cggtcttga	agcctttagt	agtaccgaat	aaatgggatt	cccatttaaa	240
aaaaaa						246

<210> 3637

<211> 418

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(418)

<223> n = A,T,C or G

<400> 3637

aaggtaacct	atgttgcaact	gctggggggcg	ctgagagaca	ggcagaaacg	gcacagcaac	60
ggccattttt	aggtatgcaa	ggagcatgga	aaagccttct	tcatcatgcc	aggggtgctgt	120
gaggacagg	cctgagcgta	catgagacga	gaagatgtct	cgtanccaac	aaagcaaagg	180
aaagaaaggc	tcagcanggg	agtgagaaat	tgcaagagac	tgttgagtc	agcttattga	240
gtgtggctgg	tcgtgttgct	ggggcaaata	atcatttttg	ctatgtacca	ggtggtgaaa	300
actcaaagt	cgaggaggga	agaatgggat	tgtggaaaaa	agccccggat	gtctggttac	360
ccgtgtagaa	ttgcttttct	ccattcaaaa	caaagttatt	agcaccaatg	caaagctc	418

<210> 3638

<211> 340

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(340)

<223> n = A,T,C or G

<400> 3638

ggcatcagca	tcggagcatc	tggagttacc	atagcatatt	tatatgtggc	agaccggaag	60
gcctgtcttt	tgtttgttgg	ggacagcggg	gcattttattg	tttttgcct	gttcacattg	120
tatgatatat	ctatatctat	acctatctgc	acatacaggg	aggagtttcg	gcgttttgcc	180
caaggtcaag	gccttgccctg	acagggctta	actttttagt	gttctgaagc	caggcaggca	240
cacgatgatg	accagcatac	gaggcatctg	ggccacacca	aagtctgtna	aaatatattg	300

atgcccttcg atttgnaggg cttnnggaga aaaaaaaaaa

340

<210> 3639
<211> 540
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 3639
caccagcat tgcagctctc agggacgaaa ccgatagtct cgcataaga accacangga 60
ggggagacga agacacgcca ccgacttcgc ctgacgtccc gtcacatcgt tctaanaaag 120
gattcttgag caaatggcga aaaaactagg aatnctttag ctaaaagtct ggcctcataa 180
cggnggggtg tacacctggc ttcgacatga ccgatgactgc tgcaacgacg tacacggccg 240
aatattatga cctgcaacga ccgcattcca aaatgcattt gcatcaaaaa ggatcactct 300
ctttctccct tttcatttgg gggtttggac agcggggcgt ttatgttgaa ataaggaccg 360
gacttttgga gtgggacgga gttttgtctg caacaaaagg caaaagcttg gatattgtact 420
atagcccctc tggcagggca aaaacagcaa tgtcacccat atacaggagt cggctcacct 480
tgtagtaacc cgacataaac actcgttaaa aattaatagt ttaccngtnc cttctccctt 540

<210> 3640
<211> 341
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 3640
gatgccgcca atgggagtcg gtgagcttcg tattggcgat ggagctgtag atatcaaggg 60
caaggagacg cgtggtgttg gactacaacc agttccccag aaggagccag tgcccgtctc 120
tccagtacca gcgaagagga taggtttagg ccgacagttt ggacgattgg ggggcgctgt 180
ggcaggtaaa ggccgacgca accaatagac attgcacgaa agttggatca tcgttgctct 240
gcctggtagt caatttgcga ctcggggcac ttgacggcgt ttggatgcca ttaatgtata 300
gtatcaagca aaaaattaat ggaaacattg tcaacgtntt c 341

<210> 3641
<211> 245
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 3641
ctcccgtcgg tggaaaacag gcttctggaa ccgaggcccc tgctcctgtt cccctagcat 60
aatcaagccg tgtgctgttc aagaanaaat gtataatagt gggatgatncg tgcaagaacg 120
ggcggagggtc atattatntg anattaattg tcatggagcg ttatcatttt tctatctcaa 180
gaaacgtccg acacaaatnt ctgagcaggg aaatgtctgg acagctataa agtccttctt 240
gtgat 245

<210> 3642
<211> 586

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 3642
gtcaactatc ggactaacia cagcgctgag aaacttgcct cctcaccata gtgtcgggtt 60
tgggaccaat tcagcacgct tctggaacac agactagggg tggctaccta ctaaaagctt 120
gcactgataa aaataattat cttgcctacc tagatagagc aagaaaaggg aacgagaatg 180
agaatgtctt gggttgatcg tcccacttaa tcaatatgga aaactcatcc aacttgtag 240
caaaagggtcc ttcgtcaaac aagatgggtc catttgtctc cagccaatct tcatcacgtg 300
gcgaactttt gttcagctcg gctcacattg tcaccaaaaag gtgttggaac ctttggccaa 360
cccactcata gccatgaaat tctgccaaaa tgtcaaacat gatcttcata attgtcacng 420
gcgatcgga ctttcgttag anatgttcaa tttactgcgg gctcnggctt ataattgcca 480
tactactaca gaatttttga ctacctaaat actggttcct ggtntaact ggatgaaaat 540
gttattagtg cgtcagggtca tctgtttaat tggtaacact ccaaga 586

<210> 3643
<211> 128
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(128)
<223> n = A,T,C or G

<400> 3643
ntttctttnt tgggganctn tcagagaatc accctgcggg cagnttcttt ctgactgggt 60
gtgtgggnaa cccgggaccc tttctaaaag gggttgaaac aaaccgggt gcaaccctgn 120
ggtttcca 128

<210> 3644
<211> 577
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 3644
cagaagtcag acggcttccg cgtaagccgg tcgatcaagt tgtaaacagt cattctttaa 60
acaattttta tctcactcat tcctttatac aggttactac cctaagtcgt tcctttcctc 120
cagttgtctt cttcgaaatg aaggctgcnc acccatcttn aatataacga ccagagatac 180
caaacgattc anggcgattg acaacaccac tctaacgagc ctattaagct ctttcgctcc 240
gatggtcaca gaaaccgacc gaaaaatgga agatggcggt ggaatgcggc tcttattgga 300
gggcaanaaa agactgacta taggagccga tggattggag ttcaatggcc cgattgccaa 360
aaaaaccggc cgctcttntt gtgctcctnt tacaagtact ggatcttcca aggacattat 420
ccccctctat aatgtgctat gggccgaatg cncccacaat cacatngnga tcgactttct 480
atccccctt cnaaaaaact aatcaaact gggaaaagg aatttgaact tgctcccggt 540
nggaggatga ccattattga ngggaacngc ccccccc 577

<210> 3645
<211> 286
<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(286)

<223> n = A,T,C or G

<400> 3645

ttcgtgtccc	ggactttt	gct	ottcaaccca	cgagcaacta	ctaaccgaa	cgattcaaga	60
tggtgagtga	ataaaaaatc	aactcgactc	taatggccac	agttttgtga	gtcaaatgtg		120
ctttatgcgc	aattgaagcc	gcagcgctgt	ccatnttttg	ngggcnacac	atgctgntgg		180
tattccgcca	gttttcgac	accgnaaaaa	agtgtcgagc	tggngaaaac	ttggctggag		240
atgcggcggtg	tgcaaaaatg	ccatggccta	ttctcgtag	agttca			286

<210> 3646

<211> 289

<212> DNA

<213> Fusarium venenatum

<400> 3646

gtgtcggcga	tgtgttcg	tgacgaagga	aatgttctct	cgacaaccgc	ccaggccttt	60
tccaccaact	caccctcagt	ctgtacgcaa	agttcagcca	acgcaactgc	caaaggatgc	120
cactgcacat	atgtgtctga	ccaccaagcg	aagcggctct	cccattgact	cttggtcata	180
cgctcgcgta	gctcaatgat	agatattgcc	gtacgtagca	tagtttcttt	cgatacacga	240
ggtcggctccg	gcgccggtcc	tccattgaac	ggatactgta	tgttcaacc		289

<210> 3647

<211> 511

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 3647

gggttctttt	tctgtatcaa	caagcccgg	catgatgaag	actanaccgc	cccgtgtgct	60
gtcgagtccc	gatgttgag	aaggcactgc	attcaatggt	acnccgcctn	ttgatcaaag	120
gctcgaagct	gcgatatcgc	ctaaatcagc	gggttggaca	catcctccag	gatcaccgga	180
tacgtcgtnt	ntttcaatga	gtcctgacca	tctccgattt	gggcgtggag	aagcaggtcg	240
gttacttgc	agaagccact	ccgacctgtt	tgctactgca	acacaaaatc	ggctccggaa	300
ggactcgaaa	gacaagggaa	aggacgaatc	anatggcaag	aaggataana	aaccgtctgc	360
ggtgagggg	attcgaggg	ttatgtatga	atgatgaggc	atgatatagt	tagcaactag	420
gagcggcaac	ggatagctag	accccttgga	tagggcgctt	ttatttttat	aaatccccgn	480
gctngatgcc	ttttgnttct	ttaaaaaaaa	a			511

<210> 3648

<211> 158

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(158)

<223> n = A,T,C or G

<400> 3648

natttattat	acnatcgagt	tctcaacaga	gtgaaacggc	tggaaccact	tcacatttct	60
ntcacttcaa	cataactttt	ttcaacaat	tttaaccaca	aaacgaacat	tcaattcatc	120

atggctttcc tnaanacatt cctcgctct ctgntcat

158

<210> 3649

<211> 601

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

<400> 3649

atagttacga	gaggggtgagg	agtttgcgct	acacatagaa	gctgctacgc	aactccgcaa	60
cgcacgaagt	cgctggaaac	tgatgagccg	cccctcccag	cagctaaacc	aagttggcac	120
ttttttggct	ttgctatctc	gtaccatggt	gtttaagcct	tcttcacttc	catggcgcgga	180
cagcaatgag	caggctactg	ctgcagaaga	tgaagccata	caatcaagcg	cttgttatga	240
gtacatatat	ggatcaagc	caagtattgc	cgtagcaatc	aaccgggctt	gtcgtcctgc	300
tgagcaattg	cttcgggttc	nagaagaang	agaacagcaa	ataccgggac	acctttgctg	360
ggaaggttgt	taaagaatta	aggtgacatg	cctanaatcc	ntggcnggtt	aaaaagaaga	420
gaatcccaca	ncaaataatc	nagttgacca	atganctttg	ggggccctgg	attttttact	480
ccatcaancc	aaanggtttg	gtacnctggc	tggcacttat	cctactacta	tnacccgcac	540
cccaaagggtg	ctcaagcccc	acngggcctc	antccaagaa	gnttactgct	gtccnccgaa	600
a						601

<210> 3650

<211> 104

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(104)

<223> n = A,T,C or G

<400> 3650

nattgngagg	natggctctg	atgntatggt	gntggatctg	aacaatncac	aaancggatg	60
gactttcgat	nattattcca	gttnnacctn	cagccccnaa	acgt		104

<210> 3651

<211> 424

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(424)

<223> n = A,T,C or G

<400> 3651

cgagtacgat	tctattccca	ctgtccatgc	tcatctnaaa	gggcttgaca	aggtttgccg	60
tggcgctgag	tggacaagg	cttttcaacg	tttccttggg	agacttcaac	tgggctccag	120
gaacgtcagc	gtcntttatg	acaccaacct	ccgaaagatg	ggaattganc	ccccagagga	180
aaccgagctc	tgggttgacc	agagcgagcc	agcaaagtgc	gctggacatg	tctacagatt	240
cgtttggtcg	cagtgcagat	ccgcacctc	ggaccgacat	ntttacatcc	tctaccatcc	300
cgatgcagag	tggcacgcan	atttgtacga	gctgctacag	gataagcctc	ttntacaac	360
ttcttggtct	ctccgacaac	ctngatgcc	tngtgcctac	atncgtttca	tccgaaagcg	420
acta						424

<210> 3652

<211> 623
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

```
<400> 3652
atttttcacca tgggcgagaa tctcgtcatt tattataatg actccatcga ctcggacaac      60
ctcgccgccc ccatggctct gtggaaggcg acataccaga ggccgaacac tcgtgtgatt      120
tggattatag agcctcgtea agtggtgttt ggactatcca tgactgcgga gcaagtatcc      180
aaatgtaaaag atttgataga aaagcacttt tcgtcactag ggaacccttt caaggtgctt      240
ctgggtggac ttatcaagca gaaggatctt gataagactg agggctctca agaagctgac      300
cgtcatctac ttcaaattggc tgcataatcg gaatacggct caaaggacaa tgctgcactt      360
ctaggtcgcc tcactgcttg ggactttgct tcttggttgg ccgagtgggc aaacaacgac      420
tcaaataaaag tttccgtgga ctttgaaagc ctagacgaaa tcgaaaatcc tgtgaacctt      480
aattttcatc accatgaaga gcttgtaaac cggagcgcag acgaactgga ggcatacgat      540
aatatcctga acgaaccttt gccacagcga acgaagagcc taaaaaactg ggtacgagga      600
atgtgttaag agaagcgccc ana                                           623
```

<210> 3653
 <211> 479
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

```
<400> 3653
ggggcacgcc gacaatggat ctagcatgca attgtcaaga tatctactcg ctaggtctcg      60
tcttcctaaa catcgcaaca gttctataca atgtccggtt ggccgacttt gacgaagctc      120
tgaaatatcc atccaagaaa tacacaagaa gaacagcttt gcgagcgaga gaagaagctg      180
aacgccaac ttgaaaagct cacatcccat gctctgggtc cgccaacttt tatgtttact      240
tatgaagggc aagaaacggt ccgtcccaag ncaatttgta aacttaattg ctccaatgat      300
caccgaaaac ccgaaaagtc gactgcatgc gtacaagata gacgaaaaag tttgtccatg      360
ctggggaagg attcatcaaa tatatcaang ggaatgnttn caaaagaacg atttcctggg      420
gccaaggcaa attgggacaa agaagctcac gacnttgaca agtccnccga aggggaaac      479
```

<210> 3654
 <211> 590
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

```
<400> 3654
caactggcgc ctgggtcattc cgcttaacaa ggttattgag taccgaatca ccgatgccgt      60
caatgatcct atggagttga agcccgtggc agcatgggtc ccagaggaaac ttgtcacagc      120
cgcgcaatct gctcttggcg acnaggcagc tcagtgggtt tccgaagcca taccatagc      180
gcagtgggtg gtcaaggaac gccaacgtct ctggcgggtac cacagcttgt catcatagac      240
ggtgacattt tttattattt ttatctcttg catcacaagg cgtttttggg gactttattc      300
gctcaaactt catctctcgt gtcgggtatt ccacacaaat gcatctacta tatatcatca      360
ctacaagcgt gaacgacgaa caccgcgtct aacaccagat ttgtccccgg atggatgaga      420
```

ctcggaaggg	ctcgcggtgg	tttacgatca	tctcttgaaa	acacagcgat	aataatatct	480
tgacattttc	tctctacaat	tcttgtaaaa	aagantgtga	caaacttggg	ttgggtggcg	540
gcagtcgata	caatgcggaa	tagaacggaa	gaattccaat	cttgtctttt		590

<210> 3655
 <211> 357
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(357)
 <223> n = A,T,C or G

<400> 3655						
ttcgcgccg	naagaatttt	tttttttttt	tttnccatng	aataagtttn	naaagttcaa	60
tcgtacaatg	tcaattnttn	tgtcctgcac	tcgctacgcc	tgaaaacana	ttaaggaaat	120
gcnaaacagt	tcgtcctttc	cctaaccgna	accttaatca	cctggncccc	taaattccat	180
tccaaaggac	gtnttccatg	cattgcattt	catgccccat	tcctgtgtct	ttgccacttt	240
atatgttcca	tcgcagcata	ccattanagt	aaacaaaanc	ctataaaaaan	aaaatcgaaa	300
aaaaggaatt	ggatgtcaac	aagcagccgc	caaattccaat	tcgcatgcgt	ttgaagt	357

<210> 3656
 <211> 588
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 3656						
gagcgtcaa	ctttctatgt	cacgagaaga	agaacagaca	gtacatcccg	ctctcttccg	60
tgcaaaaaca	ctactacgag	agatttgtga	ctacgatgca	tctcagccga	aacccctcct	120
acgaatcgaa	gccagttttc	ctccccggac	tcccattgat	agtcgtcctt	cgactgaacg	180
gaacgtgctc	ttaagggaat	gcacacgacg	gtacctagtc	tcgttggatt	tcgcagcctc	240
aaactcgcaa	agcatgagtg	tcaggcaatg	gctaggagtt	tttatctctc	tttgcattct	300
tagtgctgtg	gacactatct	tggtagacct	tgcttggtcc	ttccagggaa	atgacccgtc	360
gcaagcaggt	ncaacaccga	cagaaagacc	tgaccaagtt	atccgaagcg	tgtaccaggt	420
gctagtttct	ctattcagta	cttcgaacga	tcccttggcg	aacagctctg	aatccgacga	480
cgcaattgtc	cacaacatcg	ctcgaattat	caggcgcgaa	tactggcctc	ctaggcacct	540
tttctcaagc	atcgactttc	ttatgaanct	tgggtgcaggc	gaaacacc		588

<210> 3657
 <211> 401
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3657						
cgacattgac	gacattttaag	ctccttctctg	gaatcaccaa	atcccccttct	ctctccaccg	60
agcccccgac	ctgggtcccgg	gtgcttttacg	cgttcctcgg	ctggcggttg	tgatactgtc	120
ttctctctca	aacccggagc	cgagcactaa	aactctgtgc	gtcgggtccc	acgacagtag	180
ttgctgtgga	gtcatagaca	gccatggtgg	gagggacgtc	atggcggtgc	gctctcttgt	240
cggttttaca	tatcacgttt	gagttttctg	tcttggtctg	ttattaaggt	agttttactg	300
gacgaacatg	gtttttttct	taacgcgtca	tgggtcatcg	attcatctca	aaagcacagg	360
gttacttaga	caagacaaga	aaatgcatac	aattctttca	t		401

<210> 3658
 <211> 438

<212> DNA
<213> Fusarium venenatum

<400> 3658
cttgaaagtg ttgatgccgt gaagcaaaga ttgaggaaaa gcaggatcac ttctctacga 60
ttgaacgaac ccgaaaaaaa cgaaacaaag aaattagata ttacacgatt ctgttcagag 120
cgacggttga ctcttggtct gttgattctt tctgtggagc tctttgggac tctgcctgta 180
gtgagtcctt cttatagcgg cttaacgtca gtcttgatga aagagacagt gcaatacttt 240
ggggaaaagaa tgtcaaggca ttacgaatga tgccaaggaa attcatctta cagcctttgc 300
ggagaccagc tacacttgta tgccatgtct cacaggggat tggtgtatac taaaaaagat 360
ttgcaagggc tcttctgacg tatctgcgtc ttgtagcttt ttatgactcg gcaattgatg 420
ttgtttatgg aaaaaaaa 438

<210> 3659
<211> 462
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 3659
gtctagagcc tgcagagggc atttatctac acgtacctct taattatccc acgagaatca 60
acgaacggag ttggttccaa ccaagcaaat tgcctattga gggcctgtcg tggacgtaaa 120
cacgcccgtc ggttcaagga ccacacattg ggtcgtccta ttcccggctc tanaatacgt 180
tggcgatact ggaactctag cagacctcac aactttcaat cgcaagatgt atcacgatgc 240
gtgtgtagtg gagaaggggt tactcaactt gaacttcttt caagtttttg aaaagacagg 300
ttcaaacgct tgtcacggta tcacatggca cggggaacaa aagttatggg ttatagttat 360
tcagcatttc gtcaatcata aatgtattaa gatttgaaga tcatataaac ccttctgaac 420
aacnattccc agccgagggc caaccggca gaagccggtt at 462

<210> 3660
<211> 184
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 3660
atgatactac tttgactggg gtctactttg atcctaagcg agagagggct cagcctcatg 60
ccttgacggc agatcaagat aagcaggagg ctgtagttaa ggcttgtgag gacctcactg 120
gtgtaaagct tcaaagctcc taggtgtaga aaatacaaac gcataaagaa tacatacaaa 180
anan 184

<210> 3661
<211> 321
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A,T,C or G

<400> 3661

tgatcgcaat	tagattggta	gagctccaac	ataattcttg	tgggtcttttag	ttgccgttgt	60
gcatcgtctc	ggtcattctaa	taccgaacaa	cagcatcatg	acaacgacga	gataaaactcg	120
gatcagcaac	ttggacaatg	ttatttttatt	togaatgtta	acccgggtga	taccgaatag	180
ttgcatactg	ggtgaagata	ccgcatacat	gtgaggattt	tctcggttga	cgaccagggg	240
tctttaccaa	tacgagtcgt	ggtcagtcaa	atgcgttgag	cactacatac	gtcttttcaat	300
ttacaacaac	tttggaaantt	t				321

<210> 3662
 <211> 636
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 3662						
ggaaacatgg	gtatgggtgta	aaggtctgag	agctcactta	agttgaagct	gagttgtana	60
ctactgagtt	gagatgcaac	ccaaaggggg	cagagtcgaa	tacctattcc	gagtattgat	120
ggtttttaaaa	ctacaggtgt	ttttctatga	acacgccctg	agatgtccca	acccacgcta	180
ggatcatcgt	ggacggcagc	tcgggtgtga	agtactgcat	gtacctgtcc	actaaagttg	240
ggcgctcaca	gcacatctng	gtacctacna	agctgccttc	ctccactttt	ggggacctag	300
tgcaacgaat	cttgggaaac	ccagtgggaa	ccgctcctca	gttcacactg	tatatattct	360
gggcgcatcc	atcaatcgag	ctcgacatct	gcacgaaca	gatgcctatt	ggacatgaca	420
aagacgtcaa	ccatgtgctt	ttgcaacgtc	tcgcacacac	tgnaactttc	catcgcatgg	480
ncaacgcttg	gccaggttgc	caaaccaaaa	nactggtnnt	gggaccccaa	gaagaccccc	540
ccntttgcan	attgccctgt	ncaaaaaggng	gggctaacaa	tggttnttaa	ccttcatcaa	600
aanacaggca	aggatgnctt	tgaccctccc	tttgtc			636

<210> 3663
 <211> 360
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3663						
ggcttccagt	gttgccctgc	gtttaggtaa	tggcgataag	attatgactc	agcctgactt	60
cggaggctct	tggggaagcc	ttgtcggacg	ttacactcog	tgggtagaat	agagtttggg	120
cggcttggtc	ctattgttct	tgaatactca	gaattgtgat	gggtggattg	caaggcataa	180
ggtttctctt	gaaatgccag	ttgctaccca	ggcggttgt	gtggagagt	cgattgagga	240
tataaggggt	ccgtctgcga	ttcgatgtgc	gaataaagaa	ggtgatctgt	ggttatgatt	300
cagtactaca	tttagtcaag	agatccttct	atcaattaag	tataaaatac	atgtgctttt	360

<210> 3664
 <211> 789
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(789)
 <223> n = A,T,C or G

<400> 3664						
gaattttttt	tttttttttt	attgaacatg	ttttttattt	gtttagttaa	ttactaata	60
ctgcaacgac	aaaacaacga	gcaggggaagc	gttgtagcaa	agaaaacttg	tccttgtgca	120
aggaaatcgc	caccagggca	atctatttcc	ttgaaacgcc	atttgaacca	gcatcttcaa	180
ccgctggaat	catcaaagg	ccagagaagg	atggaaaaca	ctgctcggca	gttcaccggt	240
ccctctctt	tggcggtaac	ccataggcgc	gcataaacia	gtctgggcag	accaagctaa	300
tctgtgaacc	gtatgatacc	aaggggttgt	aggggagatg	aatcctacat	tctgccttag	360

gccatttcct	catcttggaa	ctctcagtat	ttcaatcaat	tccgaaagtg	agcagctgta	420
agatccatcc	tcaagcggg	cgtccttcca	actcaccag	aggcccgctct	agcaggctca	480
attggtaaaag	tggttgtcac	ctcaactcgg	caatctccaa	ccattcactt	tcggggcgct	540
aaataacttga	gagtagagat	gtttttgatg	gttgccagg	gcaagcggcc	agacagaaac	600
tgcgcaatca	aatctgcaca	agcaaagtgt	gtgcacagct	cattgggaag	aatcccatga	660
cttcactccg	tctttccatt	cccgcgcgtc	cggtagaatt	tcgngaaaac	ctgacgcgca	720
anaacataac	cttgangncg	aagtcttngg	aaccatngac	aatgntcaag	tccaanatcc	780
aggacaagg						789

<210> 3665

<211> 189

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(189)

<223> n = A,T,C or G

<400> 3665

ggctagtagtc	aatgcatagt	ggcttgaaag	atctcaatga	ggggacatgc	tggttttccc	60
ggagaattat	ggtggtctgg	agtctattac	aagcatgtgg	aaactttacg	gtacactgtg	120
tcgcggaactc	cgagcatcgt	gcccgtcgtc	cacnaataat	atcggcgaac	tcccgcataat	180
gtcgttcct						189

<210> 3666

<211> 213

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(213)

<223> n = A,T,C or G

<400> 3666

nactgaggca	antantgaaa	cttngagtga	agnttgga	cggtgagagn	naggagcact	60
aaactntata	cccgaataat	tgntgcggct	cttgagagaat	gnatttgag	gaatanattg	120
gcctannccg	actgttnntc	aataantgca	ccgtgggttg	aaaattcnca	cngtaaancc	180
cnggtgttnc	gaatgaattc	ctngnaaaaa	ata			213

<210> 3667

<211> 106

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(106)

<223> n = A,T,C or G

<400> 3667

ntcctctatg	ataagacgaa	tccattgcat	tgccctcgaa	tgcaatgtgt	cgacngtana	60
ctctgctatn	cccatgnaaa	cctctngcca	tnatcgtatt	tggtca		106

<210> 3668

<211> 344

<212> DNA

<213> Fusarium venenatum

<400> 3668
ctctcagggg tcagcgagcc cagcagccga ccaacctcag gaatcaacaa gcctttgcct 60
ggcccgccctg taccacaaaa ggaggacgac ggatttcaga cagagggagt cgtaggttcg 120
aaggacaaac tggctggtgc aagtcctcac cctgacgtga atggggcggc gacgaaggat 180
tgatgaacca atatagtctg gctatatggg acgaccgcgc catgggatac atgatatgat 240
agcacaacc gaactgtgtg acttttcttt ttagcgacat ccatatatat atgacattta 300
gtataactcg tcagaatcta taatttatac ttgattaagt caca 344

<210> 3669

<211> 1476

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1476)

<223> n = A,T,C or G

<400> 3669
atagaactat catccatcat ggacacggca tatcggcgtt tattgcataa ggaacgggtgt 60
ttcnaacaag tcttaanaat atcccctctc gcattttttt tttgtttttt ttttgtnat 120
atatctttct tttgtcttca tagcaagcgt tnttttggtt ttcgganaat ttggtctatt 180
attcctctcc gggaacaac tcttcaacgg tcgttcacac aactcctatc gtctctggac 240
ttttctttca tctaccacaa caccacatgg ctggatccgg ggcggttatt tggatgcatt 300
tacaactggc agggactcga tacaggcggc ttgttttatt ttggcctttt tccttccgtc 360
atatttggtt ctcaagaaaa agacgtacac gcagcaatgc acgacgctcg gttctagtoc 420
gagacagaaa cttctctatg gaatcttcgc tgatatcctt ggaactttct tttttccttc 480
ttctttcata tgttcgggtt agagaggctt cttggaagat acccccccca caaggacaac 540
accagagttc aacaactcga atcgacacat acttttgctt ctttccttgg cttttcctga 600
ttcacgacga ttctatatta atgacgacct ttctacgac tcgacgacga atgacgacta 660
ctttcagaca tgatgcgact tacgaacgga atcacgaata atcggttga cgtcgaacat 720
gacttctttt cgaaagctta tcgagcgctg agcttcacac tccattcggc acgatgacta 780
gcacaacaga tggtaactgg accggctcca ggacgccaat tctgaccgca aggcctctc 840
gactacatcg cgtagccact tcggaaatat ctggaatata cccgtgaagg cttgacactg 900
gttgtcaaac gggatcacca cccagcgtcg gcgttccaaa ctcaaccgga cgcgcgggaa 960
tggaagacg gagtgaagtc atgggattct tccaatgagc tgtgcaccac atctgctgtg 1020
cagatttgat tgcgcagtct ctgtctggcc gctgccctgg ccaaccatca aaaacatctc 1080
tactctcaag tatttagcgc cccgaaagt aatggttga gattgccgag ttgaggtgac 1140
aaccacttac caattgagcc tgctagacgg gcctctgggt gagtggagga cgcgcgcttc 1200
gaggatggat cttacagctg ctcactttcg gagtgattga aatactgaga gtcaagatga 1260
ggatggccta gggcagaatg tanggatcat cttcctacaa ccccttggtt tcatacgggt 1320
cacagagtan cttggtctgc canacttggt atggccctat gggtaaccgc caaagaggag 1380
ggaacgggtga ctgccagca gtgtatacca tccttctctg gacctttgat aagtcacgag 1440
gtttgaagat gctggtacaa atggcgtgca agggaaa 1476

<210> 3670

<211> 678

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 3670
tcagcatata tcaagatgct caaccttgct acaaaccgca tagttgacgc ctctgtaccg 60
gtagaaatgc tgatacatgc catatgatca acaaggcaat caatgatcca taggtaagac 120
agagtcatca atatgcggca agccgttgct ggcatgacag cgaacagaga tgagatgagc 180
tcgagtgagt atcaacagca ctccttacc atcacctctg gaaacttgga agaagtcttc 240

ttcgaatcta	agccctcttt	tctatctcat	ttgtctttct	caaagacttg	gaggcactca	300
aaaccatggt	gcagtgggtg	cgatatccca	agcctcttct	ctctcacatc	ttgtggtagc	360
ccagcttctt	accggattta	cttcggatct	tgcagctccg	agctgcgggc	aaaaagccag	420
agctaccatg	tacgtaccgc	caaaactaca	gatcaggctg	ttcttgccag	anccagcct	480
gctgtttgtc	tgctgaang	aacaacctag	ctgcagtaca	tcagcaccgc	accaccgaat	540
ncatcaccca	ctaaatttct	gncactcgat	tactcgatcc	cgcgtttttt	tatcatcaac	600
aacatcaatc	gattattcga	cgttcgggta	ccgngttcga	atccttgggc	acccatctta	660
aaatttttga	tccttttn					678

<210> 3671

<211> 104

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(104)

<223> n = A,T,C or G

<400> 3671

nagtgaactg	anttgangag	agcgatgacg	ctatggcgaa	atctaatagc	tagcttgnga	60
aggaggaaat	gggttagaag	aagacaaatc	ccatgccttt	anct		104

<210> 3672

<211> 272

<212> DNA

<213> *Fusarium venenatum*

<400> 3672

gctttctgga	agtatcacia	tgagggcgct	ctgaagaagt	acggaaaaga	cctcaagatt	60
gggtgctgtt	gcgagagtgc	caagctataa	gtccttctct	ctgctggcct	cttgggtttc	120
atttgacatc	tgaatcggct	gcaatgcttt	gttaattttg	gctgtattta	ttctgatttg	180
tttgtacggc	atggcgtata	ccatatattg	gatagggaaa	cttgacaggt	ggatttgcaa	240
tagattggaa	gagcatcttg	aaaaaaaaaa	aa			272

<210> 3673

<211> 115

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(115)

<223> n = A,T,C or G

<400> 3673

nggtgcctct	anaancgccg	gtgggntgtt	atttggggct	tccggggcgg	ngntttcccc	60
caaaaaaagg	gaggggttna	tttgnggttt	tcacancana	ggcgggtttt	aatac	115

<210> 3674

<211> 560

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(560)

<223> n = A,T,C or G

<400> 3674

ccgagacagt	gcaggggaaa	tatctgcaaa	tgaaagcttg	gtacgacagc	atggtacaag	60
accaggaagt	ccttcagcgt	cggttaagac	tgccaaaaag	gtcatcaagc	agagagagga	120
tgaatacaac	acccttgctg	aagagcggga	tatgttgctg	aacagaatac	gagaaaacag	180
agagcatatg	cagatgctct	gcagccctgg	aggtatattt	cacgccctag	cacccaaaca	240
gagaggcggt	gttggtcccga	gctcacacgg	acagcgtggc	tttcagcagc	aagcttccag	300
aacacangta	cacagtagac	aagagcatgg	cctctcggct	ttgttacagg	ctatgagcca	360
ggataacaac	agcgcgcctt	caacgcgat	gcataatcac	cgccctccac	aacgacacgt	420
cggaaagcat	agtcggaatg	cccaatcaat	gtcgtctttg	cctacaacgc	ctatgagtcg	480
acccgcagga	ccacntgttg	gaacttttac	cntcggttga	tcttgttcct	caaccgggaa	540
cctccaacga	ttatacccg					560

<210> 3675

<211> 904

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(904)

<223> n = A,T,C or G

<400> 3675

gcaatagccg	caaccgtcat	gatgaagagc	ctttggcgcc	aagactgctt	agaaaaggac	60
accactcgag	gaaccacgca	agaatcatgc	tggtgtctag	cggtgaaggc	atcactattg	120
tgtgctgcta	ctacttacat	gcatgcgcac	gagataaaaa	cgcagatata	tcgtacatag	180
attaacagca	tggataaacac	cccttcacat	taggcgctct	cataactatt	cagtcaccc	240
ccttacatag	ggatcctcgc	tatctcctct	ttggtccaat	actttctcat	attggtggca	300
ccaagagtct	caacctcctg	atccaagtga	gtccagagga	cctcacccca	cgactccatc	360
ttggtcttga	gcacgctcag	ctcaaaactcc	tcctctccgg	tacggcactt	cttgagatat	420
tcctcgaacc	cgtccaggcc	cgcgtgtatc	tgcttatgct	ggcgcaacag	ctcggcgcg	480
ccgccgcgaa	actcgggcat	cttcttggca	aggatgggaa	agacatatgt	ctcctcaata	540
ttgtgggtga	cagtgcagtg	ttcaacgaat	tgcaggcctt	ccataatgaa	ctggttgagg	600
gacaaaattt	gaggtctgcg	gttgtttgtg	catgcattcc	ataagagatt	ccatgatctt	660
cggaaagttat	cgtgctatgg	atcatattaa	gtctatgttg	tcgaactttt	ggtcagccta	720
atcttacaaa	agtagttcat	atgaacagct	agtcgggtat	aaccttaag	gcatngncag	780
acaacngggg	gtagttnctt	ccgctttgtc	ttgacgggct	ttgaccatct	tcgnttttgg	840
gtcaaaaatg	aatgnttgct	gatgataant	ccagatgtaa	aacgtcttct	anaaataaaa	900
gttt						904

<210> 3676

<211> 613

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(613)

<223> n = A,T,C or G

<400> 3676

ccagtcagct	ccgtccgagg	aagagaacgg	cgattccntt	catagcaaca	agcgcccgga	60
agaaacaccc	gnntatgtcg	agcgttccag	gcaccttgac	ggaaacatta	tcactactac	120
tgacagaacg	ggcaagatca	aagtattccg	acaggactgc	ncccataaaa	aaaggcagca	180
gggattgtgg	gagtcaggct	ctagattgtc	caatcgctcg	tctggcggtg	gtagaagtgg	240
aagtgtcatg	accagaacga	gtgctagcag	tcgtgtacag	tctaggcggtg	gatcgctcac	300
tattcctggg	cccaacccta	ttcaacttca	gcatgcttcc	gacagaatca	acagttggcg	360
acaagatatc	gatggagggc	gacccggtct	agcccccgcc	ccanacagaa	gcgaacggtc	420
catgtcacca	agtaaagcag	gctcagtcac	ctgtcaattc	ggctgcaaa	ctggcggcag	480
agtcttcnaa	aacagcctta	cgcacgcag	ctaattactc	gtcctgcccc	acaagtcccc	540
gttggcagtg	gcttgctccn	cccgnccacg	attagagctt	cgaatgccc	ngatagaaat	600

aacngtttcn cac

613

<210> 3677

<211> 590

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 3677

ngggggccac	cancggtatn	aagctcgagt	tcagcaacta	tgctcgtgta	gacattgcac	60
gacgaggtgg	acgcacaaac	aagcgatatg	aatttgagng	gnnggggtcac	acgtacgcct	120
ggaaacgtgt	cattgacaag	aacctcaatg	ttgtctcatt	tcaccttgtc	cgagacggtc	180
atggtgcacc	tattgcacac	atcgtccccg	aaatgcgcag	tcctaaccac	gttctcgacn	240
acnaaatggc	tggtgcttgg	gttactcctt	gctacatctg	gattagcgac	agcagcatta	300
ttgatgccat	aacagacgtg	gctgatgtga	ttatttccac	cggcctnatt	tcccttgctg	360
acgactgcat	caaggagcga	tggcaagcaa	agaaaccttc	gcaccgtgcc	atccggaggg	420
acaccgacca	tgtgaaccac	tccaaccctt	ggttattcat	gccccagttt	ttttcaacgt	480
cccactnaaa	aaaccctcgt	caagccgtgg	ctngttgang	tttggnccca	aacctattgn	540
tgngtactaa	catgcaaccg	ctttcaatac	tttaatcgaa	ccgttttgat		590

<210> 3678

<211> 390

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 3678

tgcctctcgt	cgntccccgt	ntcaactcaa	cttctggcga	caaggccgaa	gagtgggnaga	60
acaagctcat	cggcaagaag	ctntccgatg	atgatgcttc	caccgagacg	gtgtttgcca	120
agcgagatct	ccccangaa	acgcgcacga	tcgagccccg	aatgatgggt	acaaaggact	180
ttaaggaaga	cagactcant	gtccacctca	aggatgacgg	aactgtctca	catgtcgtca	240
agggttaatg	gggctgctgg	tgtcgagaca	gccccctccat	tnctcgnttg	atgatggggc	300
aataattaat	gtncgataac	gattacctac	gaatgggaac	aggatcgccg	taataataaa	360
ggcgcaagag	aacaacngna	ttatactttn				390

<210> 3679

<211> 643

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(643)

<223> n = A,T,C or G

<400> 3679

gcaatattgg	cagcgtcatg	catcgctcga	gttcttanag	acattctatc	tcgcgggaat	60
gcgcgttttc	tcattggcaat	tacatgctgg	tattgtggaa	cggccttnat	tgcaattcta	120
caagcagctc	ggatcaaaca	gttctcgcag	gaagcanaag	agggtttaga	cattttggat	180
caagccgttg	gccagctcca	gcatatgtgg	gcttctgcga	atgtcataan	acaaggcttt	240
gaacgacttc	gcgcaatgcc	tcgaactatg	atacatgctg	gcaaaccocaa	gactactacc	300
aacagtgggtg	gnnggagggga	tacaagtcca	ccatccagag	atthttgactg	ggtgctcctg	360

tttccatttg	ngacgagatc	gacgagcagg	atcacggatt	gtctccttgc	tgacaatgag	420
tttggtagca	cnacaacagc	tttaccatcg	ccggaaaatg	ccgtttttca	tgaagactta	480
ctcaatcgct	atcatgattt	actggaacct	tttggtgact	acaacttttg	actttgggac	540
tatcgagttg	gatattnttt	aatcacaaac	ncacgcctnc	gggtgtcatg	tnctgngaaa	600
aaaatncccc	tgcttaaana	aaactcttga	tgaaaaaaa	aaa		643

<210> 3680
 <211> 236
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(236)
 <223> n = A,T,C or G

<400> 3680	
agcgctatgg	agtctgggtc
aactgtgagg	gcaaatacaag
taatgagtgt	caagggcgca
	60
caggggttgac	acgggggactg
gcaagacctc	attgtcatgt
ttttgttcga	gtttcggtta
	120
ggcgatcggtg	ggtatttgta
gttggtatgt	ttttgtttgg
aagtctgtgg	taacagattg
	180
ccgacactat	tgtatagtac
tttggttaaaa	ttctttataa
aacctcagac	cagcnn
	236

<210> 3681
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 3681	
gttccgtctg	cgattgagga
tgtagtgcag	tttggtgac
tggctccatc	ttcaaaggcc
	60
ggcaaggcaa	agcgagtcg
tgctgtcaag	ccagtgccan
ataccctgcc	accaccatac
	120
aagctctntg	tggnggacga
tctgcgtaac	tgtagtgaaa
gctggactcc	cgcttgatc
	180
cgaaaactct	acggcattcc
tcttggtacc	aaggccgcaa
anaacaactc	catgggtctc
	240
tttgggtatg	gggacccgta
tcaaccctca	natctgaaca
ttttctgggc	aaagcacgct
	300
ccattcatcc	ccaagggaac
gaagcctaaa	gtcaacagta
ttaacggcgc	caaggcagag
	360
ggcgtccccg	tcgaaggcga
anagctgctc	gacatccaaa
tgctcgatcc	cattgtctac
	420
cctcaactgt	tacaatgttc
caggtccccct	acaacaacaa
ggngggcttg	ggaatgactt
	480
cctcgacncc	gntgatgcaa
cttttgtaag	tatgatggng
gcgaagacct	ttgtttnatc
	540
tccgtttccc	cttttnangga
tacaaaagcc	cttccatgtg
cngnaagtcc	aaattacaaa
	600
cgttgtttta	atttntttcg
caattgatga	acaaa
	635

<210> 3682
 <211> 192
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(192)
 <223> n = A,T,C or G

<400> 3682	
agacagagag	gtttatcctg
acggagcaag	ccaatattat
tgaggttttc	anggggcagg
	60
gtgacttgaa	gcccataaac
gagtcggatc	cgacattctg
atctcctcct	tgggattttt
	120
ctagatggat	cataggaata
gacgaaaagc	tntnttttaga
cgnggaactg	aatagatatt
	180
gtactatccg	tc
	192

<210> 3683
 <211> 653
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(653)
 <223> n = A,T,C or G

<400> 3683
 gttccgcaat atggacatgt tctttgtcaa gctgtctgac ctaatgtata ccgtgtccaa 60
 catcccacat ctccgcaaca cccagcttgc ggtcgaatac cgtgagcttc tggagtcaga 120
 ggacaaaagt atgcattggg gnnnggggtac cgngccagaa gtggaagcaa gatccagatg 180
 ctgctcgcta tcatggactc gctcctcgtt gcaaatacta tgtcaacgga acaactgggtgg 240
 gcgaggatat gcctcagcta gcacaaacaa gtagcactnc tttccccgat aagaagggtgc 300
 cacgacgcgg actgggtgcaa gtatttccag atgatcctga ctatgcgcgg ctctgttttg 360
 aacaagggtct agagcatntt atcaacggcc acctcaccca cctctcgtca atggcataca 420
 ttcttctcca attaagncaa aaatcgatcg tgtcaggaca cgatatcaac ggccttttaa 480
 aggctttgac ncccggatcg acaattgaga gcttgccaat gccatcagca ggccacgaag 540
 atctgaccaa cggnttaatg gaaaaacnaa tgggacctcn cnetgaatcg gatgagttcc 600
 acatgatgat cgaacatncc ttgtttatta ttgctttcan gttttntttg gaa 653

<210> 3684
 <211> 732
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 3684
 ctttgccctc tctaacatcc attcaaataa gctgaggtca tcatagaacc aacgatgact 60
 actattccta cgacaacacg tctcgacata ttgcatgcct ttttaatttct attgacattt 120
 catatgcttt cctatgctca attataaacg ggcaataact cgcataacaa caatatgaca 180
 ctcttgtcac cgttcctacc attcatttca tttatcagat atcgtaaatc ttgcaaacat 240
 catgttctat gcagatttgc gcaggcgtga tgttgcggtt ggttctaata aatttgagcg 300
 ggtcaaattg cttccaagtt tggaggaatg agattgacca agtggccgat cctcgatgaa 360
 gtgacatggg ggcgttcacg ggagcatatt tttcaggggg agtcgttttg tgttacaatt 420
 ttgagctttt gcgacaactc cggttatggt tttttagnng gacaccagct tttggcctaa 480
 atgnacggac gccatttcac cttttaagac aatcattggg tgnnggggga aattgcactg 540
 ttcaaggnc ccatataaggn ggggaaaaaac gtcgtttcgt ttacttttga accaaaaacan 600
 acaatnttnt caacgttcaa actacggggt aaaaaaacac cgcggccaaa aagagtttcg 660
 aagatgcggc acccaccaac agggttgatg gagggatcct gctttgggaa ttgggtgggg 720
 gcccaaattc cc 732

<210> 3685
 <211> 171
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(171)
 <223> n = A,T,C or G

<400> 3685

tccttatggg	tctatgggtc	atgggtctca	cgacgttaca	aaaagtagtt	gtattggtn	60
agaaagactc	tttctggtgg	gaanagcatg	tcccttcttg	atTTTTgggc	aattattgaa	120
agtgatgtta	tataagaaa	tctaatacaa	agctcatgaa	tcgcgacgaa	n	171

<210> 3686

<211> 265

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 3686

cttgacgcta	gagaaattgc	cgcagcttgt	gattcaaaga	ctaaacaaga	acaagaaagg	60
tgccatgcaa	cgtaagccc	ttatcgaaga	agctcaaaag	ctgtgagggg	gccaactcga	120
caccaatgca	gcttnttata	gtacctacgc	agagtatcaa	gtgaacaagg	cagcatatca	180
tcgtgagtgc	aagggcaagt	aaagtgaccg	ggtttatctt	atatgaatag	taactctgta	240
ttaccaaact	agtcacgaa	tcctg				265

<210> 3687

<211> 299

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 3687

naggagtcac	aacaactctg	agatatttat	ntnctgtcat	cacatcngcn	gagattgaaa	60
actcacatgg	atctganacn	gacactgggn	ttacgcacgt	tcatacagng	ctctngcatg	120
cgatgtcaac	gctgctaagc	ntcgatcagt	cacganaatg	tngactcnct	caaatatgct	180
gcgtgatgca	atgggnctct	nggtccacaa	catcacagan	atctctggac	taacggccan	240
gcagtgcata	tgacaagtcn	gctntggagt	gaacatgcc	ngganacaac	atgggggtc	299

<210> 3688

<211> 442

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(442)

<223> n = A,T,C or G

<400> 3688

acgaccctga	cctccagaac	gctgctcctc	gatcagttgg	ttcagtcctg	ggtgcagttg	60
ttggtatgg	ctttggcgg	ttcattcttc	tgtgagcaga	agactatctt	cacatttctc	120
cgcatacagc	gacgatcacc	acacagtcac	tgtggtagat	gaacaaagct	gttcgggtcat	180
ggacggcagc	tcatataata	tgggctcatt	atgaatttta	cggtcctttc	ctcacgggta	240
caaaattggg	taaatagaat	aggacaacat	cagacgcttg	ggtatatggg	gaagcgtggt	300
atcattagac	gagagcttnc	acgtaagggt	gcacctcga	ggagatatgg	atcattaatt	360
gggcgcttag	catattagca	gacagcgatc	gtatntaaag	gcatagtaca	tgagcgaata	420
caagccattg	cttanaaaaa	aa				442

<210> 3689

<211> 610

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 3689
atggattctc aagtggccaa acggacttgt ttctcttaag cgcttgatta agatgatcca 60
aggaaaaacc attggccatt tgttggttaa tagtctctga agctattaaa ccgaactcca 120
aaattgtctc catccggaac ccttgagctt tcacccgcat atcttccgtg aactccccgt 180
cacagggtga gccaccgcac aaactccgac aaagaaagtg tccccggttt gaaaaacaac 240
ccgctcgctc acggccccag atcactaaaag ggaattcatg acacatattt tcgaggatct 300
gagtgataat ctgccttact tcggatctat tgatatcatc gacgatacct cagcaaattg 360
cttcgctctc acagtcctatt ttggtggcta ccgagccctt gaaatctgcc ggactagatc 420
tgcagtgcga gccaaaggcag aacgtcatag cccctgctca tggctgacgc ggggggttct 480
aaggtcctac aaaacaatgc aaagagaacc ctgaaccgtt gcagaaaatc aattcctaag 540
ggcggaccgc ggggtgtcntc aataanttgc ctccgtcaag tcnaagtcac gttcgaatcc 600
aacgtaacg 610

<210> 3690
<211> 183
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 3690
caagaaagcc acatcaaagt gcaacggaaa aagtcaatca gatatgtttg accagctgtg 60
atgcgatatt gagcaaaaac agcattgcag tcgagtcatt gatagaattt acgtattaga 120
tccttgacaa ggataacggt atgccgttat acccggcgca tgggttntat ttccggcttc 180
tcg 183

<210> 3691
<211> 320
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 3691
nccncgccgt canccgggan ggtcaaggnc nttcataacc gccgccc aan tcttctgagt 60
tnttccnct cnaagcaata atgcactgtc attaacatcg gcgacctga nggtactcct 120
cgantgatct cttanctttc tttnanccaa ggctttgcct gtaacctga aatcntcntt 180
ccgtcttana tcgactgcga ctatgttncc ctcgataacc gccgcgattc tgtgnacgag 240
atcattctaa gtgaccacga atcaanaaac atgcttcngc attaaatcgc cctgcantgc 300
accgtatact ccggccaaag 320

<210> 3692
<211> 52
<212> DNA
<213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(52)
 <223> n = A,T,C or G

<400> 3692
 aacacaggaa tacctgaaga atgatatntc gatcttgatt catcttagct tt 52

<210> 3693
 <211> 589
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 3693
 tgacactcaa gtttcaatgc gtattcagca cgatcgacaa cctaaaccac tatcacaaca 60
 gactccgtct attcacgcaa gtgcataggc atacggtggg agtcaaagca tcttatgatc 120
 cgggcttggg tcctcattcc gccatggaac cttgagttta cagacatgag gtcggcatag 180
 tcttgccctg cacaaaagcg tcatcgctct tcaagcatgt tggttcaata catgtaagtt 240
 ctggtgcttt tcctgacacc attcctcctg gttcaccaag ggttgaactg aagcgaccgt 300
 tggtggcccg cgagtcagaa ttctttgtcg aaaatagttc aatgatcaat cgtttctctc 360
 cacttctcta ctactttgta gaagatggtg aatggaaaca tccacaacgc tgaatctcct 420
 ttggtgctga tgcagtaaac gccaggggct cgcaggggtg ccaccaggat gctgggcaag 480
 ccaatcaata acccaagcca aaaccagca gtttggtcac ngcggcttta gcaacgctaa 540
 aacgaaccag tggccccact anccnggggc gcaggganca catcccttc 589

<210> 3694
 <211> 627
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 3694
 ctgcgtcaatg ttgttaattc cgcggcccaa ccgtacataa agatagacag cttggagctc 60
 ttgaagccac tgctcaacgc cacatnttgg gccacttggg gaagcacgcc tttggntata 120
 gcagccgata tagcgtccat atcccacagc tcgtcgatga cggacacggg aatctgaaca 180
 ttggacggta acgggtgaac agtgagtttc tcaaaccgct cgcgaatgag gtcagaggac 240
 aattnttgtg taccagtacc actccaggga atcaacaatc tcccgcgttc gcgctcagac 300
 tcggttccaa cggttcgtaa aacatcatga aaatgatctg cagcctcccg tgtgcatacg 360
 agcttacgac ctgccaagac tggatataac acacgagcca tgagtccacc ttgngcgca 420
 ttttcttnat ttatctgagc gcgcgttgcc gtgactgcca cgggtgnggt tcaagatcta 480
 aatgtgtcaa atccgaaatt aggtcgatga ngatagtngg aacaaaaatt gatcgnggat 540
 gtaagtgatg cccgttcac ccaatgangg tcttaatggc tttatcgagn gggggactgg 600
 gggcaagana caaaatcgnt gttttgn 627

<210> 3695
 <211> 117
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(117)

<223> n = A,T,C or G

<400> 3695

natcttgacg	tggacggacg	nttntttatc	cccctaccga	tatcgccgca	angagatctt	60
caanaacgan	atgccctcca	acatngangc	ttggcgctta	cnggactntt	tgnggtc	117

<210> 3696

<211> 215

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(215)

<223> n = A,T,C or G

<400> 3696

ttacggnttc	gttgtctgtt	agttgagtcg	gtatctgggg	tctgtatacg	tgtgttcata	60
gcaggttcga	ggctggtttc	ctcgtttcct	aatgcagnga	cggtcctgta	tctcctgggt	120
gcgaggtgct	ttctgtaacg	gcttcggcgt	tcggcatcgg	ttatttcacg	cgccgtaatg	180
atgattgtgg	taggctttaa	tcggaacatg	ttgat			215

<210> 3697

<211> 209

<212> DNA

<213> *Fusarium venenatum*

<400> 3697

gcgacagtca	ccgctgctgt	tgtttgcctg	tagccctggg	gtggtcacat	tgaccgatat	60
gtgcgttttg	tggttgtagg	tagctgtggg	gaagacgttg	cgtgctagaa	ggcgccctaa	120
ccacgatcat	agtatagaac	gaatcatcga	tataggetca	ataactctaa	cgcacatcga	180
cttgccaagt	tccaccgcgt	tttccagtg				209

<210> 3698

<211> 541

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(541)

<223> n = A,T,C or G

<400> 3698

cgttaaaaaa	gaaacgcaaa	ttaacatagc	gatctgaagc	aaacaaatac	tcaggatgaa	60
cccaatcatt	gacattgccc	atcgccccga	gacaccaaaa	ccagagcggc	ctgttatccc	120
aaatgancca	cacgttgggc	atggcgaatg	aactaccgac	tatctgcagt	gaatacaaca	180
atatgtgatc	aaatttcggg	gaatatgctt	tctcttatgc	atgcacaaaa	ttgatgaaat	240
gctgtctctc	cttcaaaggc	gttttggttg	tgaaaggcgg	ggaaacgaac	actcatnatt	300
ttcactgaac	aaggctgcat	cgactttacg	tttgtatttt	gtctctcttt	tngggatatt	360
attttggttg	ngggattttt	aaagtatatc	attgttttcg	ttgagcgact	gggatatttg	420
tttttcgcat	ccgattgaat	tatcgtttagc	tacgggctca	agtgttatat	tgcangctac	480
tggtataaat	tgnaacgacg	atttggtttc	naatatattac	aaagattttat	ttctcataaa	540
a						541

<210> 3699

<211> 106

<212> DNA

<213> *Fusarium venenatum*

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<220>
<221> misc_feature
<222> (1)...(106)
<223> n = A,T,C or G

<400> 3699
ctaattncana acgctcacan tctattttcaa catctcacca ctgcgctact tgtgcttcta      60
ttanaaaacc aagcatagta ccttgatgct ctgtcatccn ggagca                          106

<210> 3700
<211> 647
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 3700
aaagnccccc caaaagagtt catcaacgct ttatcagcac gtcgttcate gacgtcatcg      60
ctcattttttt tctaatact gntggatctc tccagcttcg tctcgccact actaccgggt      120
tccacgggat ctggtgccta ttcctccaag tngaggagag atttaatacc cattgggcat      180
gttcgccgct gcaaaaanaa cttctaacct ntcttcttcc gactacatac cngngngacg      240
ggcttaatac catcaccttt ccttgggcgt ntcttccccg gcgcatcttg attgttgaat      300
ctgctttgct tgcattgcagt cttgacattt ttgacagcct tctcaactta ctcatagaa      360
aataatctaca aaacaaaact cgaacaacca accgacgaat ccgtgagcga ccacaacca      420
acaactgngg gtgctcggga ggagaacagt tgtttgaaag cctggaaaca gngggatgtc      480
agctgggcat ntcttcacaa tatcatgagt taccactctt cacgaacttc tggatcgacc      540
ccgatccacg actacgacag gtttttcgag gatgtngtcc gnaacaccta cccctttccc      600
gangccacct gggcaanact tacttccaag gcgaccaggg gacgcgg                          647

<210> 3701
<211> 452
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 3701
tttttttttt tttttttttt ggnccgaaac ccgaaaaaca ccattgattt catgctagtg      60
tattgagcaa ggaaggtgaa agcgtaactt tcaatcccc tctcgagtc cagataaacc      120
ccgcgtccgc cagcaagtcc ctgtacccta tgccaaagct gacgccaacg acgaggatgg      180
accgtaaata tgaccaccga atgcaagcga atcgagtcgt tagcccagga tttcacgacc      240
ataaacaataa gagaagactg ttgatcatga tggagactta gacggtcgtt cagcggacat      300
aatcgtctgt atcgtctcac tcgcgacttc agcattcgca tggcgtttgg ggatgttaac      360
taagaacgac tttttacgct tgtatatcaa aacattgcca ggagangctt ttagacatat      420
ttaataatca acatcgctcg ggctaaaaaa aa                                452

<210> 3702
<211> 115
<212> DNA
<213> Fusarium venenatum

<400> 3702
ggcttcaacg ttgtttggtg gtgttttgag cgcacgccag ttcggcatgg agtaaaagag      60

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ttaacgacgc aaagtcacag tctcagcgca tgaattttac aacttcaata ttaag 115

<210> 3703

<211> 374

<212> DNA

<213> *Fusarium venenatum*

<400> 3703

taatcgtcaa	agcgaggaca	atttcacggc	tctcatgagt	gtcatgagtg	aggttggcaa	60
gaccaacatg	tttgcggctt	cactagctgt	tcggtttagcg	cataacatga	gagcttgtgc	120
tgtggatcac	ggcactgtcg	ggaagggtga	gatgttaatg	gctgatctcg	atattgacgc	180
gccaattcct	ggtcaagaag	atgcggagaa	tgggattgtg	gtgctttgtc	caattgtacc	240
aaaaccggga	ccgattagct	tggatgatgg	tctgttttgg	tagactggac	ttgcctgtcg	300
ggcttatctc	gctgttatgc	aataattaag	aaaagtagat	ctgatctcaa	tacgaattta	360
ctttaaacga	ttaa					374

<210> 3704

<211> 733

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 3704

gatgggagac	tnatttccgc	attcagaagt	tattgccacc	gacctttcac	caatacagcc	60
tcgaaacgta	ccaccgaatg	tcaacttttt	cgtcgaagac	tcctccgaac	cctgggacta	120
ctcgcaacct	ttcgattaca	tccatacacg	agttacctct	gggtgctggg	ctaactttaa	180
ggagcagatt	gcggaaccag	cctttgaaac	tctgagacca	gggtggctgg	tcgagtctca	240
agagtatgat	gctaattgcc	tgtgtgatga	cggaaactct	attccagacg	gncactttgc	300
aacatggntt	ngagaaatca	acgaanctgc	gggattgatg	ggtcgaccaa	caaagtgtgn	360
tgggactctt	cgtgattcat	acgtcgaggc	ggcctttgtt	gatgtccaag	tgcgcatttt	420
taaaatggcc	atgaacgggt	gggccaaaga	tgagcgtttt	aaagagcttg	gtncaatgtg	480
ggaaagaaac	tttctaattg	gggtgnagggtg	gtttctcttt	cgcccttttc	aaccgtgtct	540
tttagaggac	accggcccg	atcgaggttt	ccgttggttg	atgttaggcg	ggaacttttt	600
gacacccgaa	ttccnnccta	tataccaata	cncgttgtaa	tcgnacanaa	agccattccc	660
cggtgaaata	tncacccan	gggtgcccgt	tcacatgagg	gacaaaggaa	ttcggaatca	720
tacntanccc	ccg					733

<210> 3705

<211> 300

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 3705

tgctgagcgc	anaanaactg	ttgctcaacc	tgctccttat	cctcccagagt	ggtgatatac	60
accagtgggtg	atgagacgat	actaggtgtt	ggtagtgata	tgatttatgt	agatgtcgaa	120
tgggagatgg	actgatttat	cttgttttta	tgatgacnaa	ttgcattgat	atttgggcgg	180
attggcaact	tgctatattt	tacctgctgc	ttcanagaca	cccgcgcgac	tagaagcaca	240
tacacagaca	aacacacaag	ctgttcttta	atatatatgt	tntgntatga	gaaaaaaaaa	300

<210> 3706

<211> 153

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 3706
ntctgggctt acanggnccc caanagccca caatcatggg gtgggaggtt tggaacccca 60
catnggattg cctntgcnaa canttgggcc gtnactgaca accgtgaggt ggaaaaggtt 120
gggaaaggtt tgaacctgac tgnaaaagcc gcc 153

<210> 3707
<211> 202
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G

<400> 3707
gaacaacctg catgaagagc gagatcactg cttaaatacg catcgcttat gagtttctct 60
aacagaccaa cactggaacg ataggttttg tacggataac ggttgaaccg gngggtagga 120
taatgaaacg cctgtaatag tccaantnta cacaagcgcc aatggatgta gcctacaatg 180
acaaacaatg tncntttcct cc 202

<210> 3708
<211> 330
<212> DNA
<213> Fusarium venenatum

<400> 3708
tttacaacct acggcgcaac tcaattctgt cgcgatgggtg tcgcccttgt ttccatcatt 60
gaacgataca tccccaatgg ctcttctatc ttcgacagct taactgaagg tattcagcta 120
ctgagtttgc cagttgaggc cggggaggca gacggtttaa cactcaaaga agctagtgat 180
agagtattca cggataacga ggaggcacgc agggttctcg aggaactaca tcttcaagag 240
ttgtcgccac aaagcgccag aaacattctg caacgccgtg tagagaacaa cgaaaatgta 300
ggatggtaaa gaatagatta aattgggtat 330

<210> 3709
<211> 261
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 3709
cagctttgat agcaacggac gtaggaccag gacagcggct ccaacgcagg ggcgggtcaa 60
gaaggaagag agctctatct acggtcgaag atggtagaat gctattaggc aaagccggca 120
acttgcgcaa cgaagtgaat ggaagttgcc tccggctttg cctcactata atgactatac 180
gcatggctct agaaagggaa ggaaaggcgt tttagaaggc tgtaggattt tatgatgcag 240
tttancatga aaaaaaaaaa a 261

<210> 3710

<211> 478
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n = A,T,C or G

<400> 3710
 ngatttgttt gtctaaccg naaatgagct gcctttnttt tctttnttt aatccccca 60
 aaaaaaacg ggtacgaagt ccaantttna acaaagttgt cgttattgat ggggaagggcc 120
 attttnttgg ncgactccct tnattggcgc caancaactt nttacgggca aaaaanngtt 180
 atcgcccntg ggaggcctta aatnttngag aattttcccc caacttaant ccnccccct 240
 cgaaaaaaac cgaacaaccc ccccgggggg gccttcaatt cggctntttt aaatttttaa 300
 aggcgcgggg atgatcccn aaaacnccgg ggcggttttt tancctnagg tttangggnc 360
 ccttntaaaa aaaaaaaggg ggtcccagtt tcgggtttcat ccnccgcaa ttttattggg 420
 cgntntcaaa ggngtgaaac aaatctncca tggagaaaaa agtangggcc tttaaaca 478

<210> 3711
 <211> 356
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

<400> 3711
 gatctgcgtc agcatcaatt catgcccaata tgtgcgttac tgccaagtct tagcagcagc 60
 gtttaacacg aatcatatct acatacctac ctaggcacct tgctaccgaa acccctcgac 120
 tnaaanggtg tcataccaaa gtactttcaa agaccttgaa cccaggtaca aaagccggac 180
 gcatacgaac acgcaaattc atttcttcca ctattctcag aactcgaaga gcgacaaaaca 240
 tgaaattcgc tattcttctt gccagtgtcg nggctgttgc tgcagcgcc ntatcacgga 300
 cgacagatgg cggnttatga cttacaacat tcgnntggcc ctaaccccc gagcga 356

<210> 3712
 <211> 451
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

<400> 3712
 caattatcta caggtcaatt atgcccaca cgaaattcaa acatcgaaag caaccttcga 60
 attcacagca caacacttgc acttcagac aggatgcttt catcaattat atatgccgaa 120
 ttctatatct tctcttcaac ggcnaaagac gtcgcggnt tanacatcga acgataccgc 180
 catctagatc tgtttaccgt tcgccngggc tgaacatcta ctaatatgca acacaaaac 240
 tttnttggga ctgcactacc cgtctcgttc aatcattact taaagtgttt gnacaaatag 300
 tattgtctcc ttgctctact ctangcagga agtcgctcaa aacttgaact cgtgttctgg 360
 cccttcngaa tctttgccat aatctgnatg attgaatcat gcggctggaa ataggtaa 420
 aatgcctgcg aanggaanac acatggccct t 451

<210> 3713
 <211> 349
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(349)

<223> n = A,T,C or G

<400> 3713

gtcgcgttgg	acaagttcaa	gtttgaattc	ctgcatcatt	tgaattcttt	ttacgcttgt	60
gtaacgtcat	tnnaaaatcc	cggtgatatc	tntatcggat	cagttcaatg	tcagaagagt	120
tgactctccc	tcctctccct	gctgtgtctn	gggatgagca	gtcccaaact	ttcagcaaca	180
acccccggaa	acgcgtccgc	aatgccgggt	ccaagcacgc	gcctccctng	ggcttnaaca	240
attcaagtga	tcccgccata	ttctctagtg	atgacgatcc	cgcggttgac	aactatgtag	300
aaggcaggcg	aaagaanana	tacattgggt	cttggtttca	aaaaaaaa		349

<210> 3714

<211> 135

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(135)

<223> n = A,T,C or G

<400> 3714

nacacatatg	ggacttcctc	ctagagggtan	gagggncctt	gaaaaggcta	tgaagaataa	60
aaggaatcaa	aacgtnaatg	caantntgtc	gtnaagggca	ttcctgcggc	ngatcganca	120
tgcactctaga	gggcc					135

<210> 3715

<211> 591

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 3715

attaggctcc	gtctacggaa	attatgtcgc	tctatcacgc	cctaacccca	gtcaccatgt	60
tgcaccctcg	accggagact	cggttcgtgg	cttgcttttg	acaaanaaac	actcgaccaa	120
gggtggcacta	gtccttggg	ggttattagc	gctgcagtct	gctgctctca	ccttgcggtta	180
cccagacata	ccaacctctg	tcacccggca	cggtgcagag	aacgggctta	acaccaacct	240
cgtaacatgg	tctcctgcaa	ctgtgatacc	gttggccctt	attttcagcg	ctggaattcc	300
tcttcgtttg	atcccatacg	catcgctggg	gaagaacttt	acatttgccg	tcaaaaggcc	360
ggaccagttg	aaaacgacgg	gtatatatca	atatgtccag	caccaagtta	taccggcctt	420
ctcatcctca	tattttccaa	cgcagcactt	ctcggcagac	tggatgggcc	tatcagctgt	480
tggattcctc	cacaatatta	caatgccttg	tattggacag	tgggcatact	cgcaccatgt	540
gcatcacttt	tcctgtgtgg	catatggaaa	anaatatgtt	gaagaaaaaa	a	591

<210> 3716

<211> 426

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(426)

<223> n = A,T,C or G

<400> 3716

nccccactga	atagcatcct	acaccccttg	ctagaagcct	ggaagcttac	aaggaagcnt	60
tacaagagga	aaggtaaact	aaaaagggtga	gagcacgagg	attttatnngg	ggcttncttt	120
ctacaaattc	acattccgac	tttcgacacg	acctgtgaca	taaagctctg	attttgcgac	180
cctgcgtgct	tttccattac	ctgcttagta	ctcacgcatt	tcgagccagt	gttggcaagc	240
cccgtctcaa	ccatgctttg	aaataantgc	ttcttgcttg	cttttgncgc	ancctcaaca	300
tcggcacana	atatctcana	gatgccagca	atagcgactg	naaccgcgac	tgngacatac	360
tatcccggtc	acattccact	gcataagtta	tnttcaagcg	agacnattca	tgccccgcac	420
acattt						426

<210> 3717

<211> 129

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(129)

<223> n = A,T,C or G

<400> 3717

nttggtataa	caggacaatt	cctgtgtaca	caactattat	acaatgaccg	atttgntcan	60
cattgttggt	cnntagatag	ggcngatata	catggcagat	gatagttgan	cgaatgatan	120
tatgnaact						129

<210> 3718

<211> 543

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(543)

<223> n = A,T,C or G

<400> 3718

cacttcccc	ttaatcctca	actgcaattc	accatgtctg	attggaagcc	cccagccttt	60
ggtactcccg	tctggatggg	tatccctgcc	aaagacgtga	ctcgcgccctc	ggaattctac	120
aagactgtct	tcaagttntn	ttttaaggag	gccaccgaca	agtncccca	agaacagctc	180
atgcaattcg	actttaaccc	aagccttggc	ctgacgggcg	gnattcaaaa	agccccgac	240
cacactggaa	actttacccc	tgggaaagga	ggagtatgca	tttactggta	tgtcgaggat	300
gttgacagta	tcggctctgt	tatngagaan	gctggttgta	aaatgttgaa	ccaaaaagaa	360
aaaggaagcg	atcatgggta	tcccattntt	tgagganctg	aaggatccgc	ggggccgtgt	420
atnaaatggt	tgagccggac	aaaacacggt	tcaancacaa	tgcatccttt	acagtttata	480
tnaantgggt	tggcaattga	ttttgcaggt	taaagnactt	ataccatctc	cctgaatcct	540
ggg						543

<210> 3719

<211> 444

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 3719

cgcgctcctg	actgccacgt	cggctctcgc	cagtgccatc	tcacctaacg	aagcgaatgc	60
tttgcaaggc	agacatatgt	ctacctgggg	caaagtgaac	ggaacctctt	gcaaggtcaa	120
tggaaagaac	tatgggtgca	ccaagggctc	ttgcactcgt	caaagcggcg	gtggcgatgg	180
tgcccaatgt	gccaaagtgt	gtggatctat	ctgctgcctg	gcggaactca	aaagggaaaa	240
ggttgcaaga	tggtaaaaata	ccatgatcga	caaatacatta	ttgactcggg	caaccataca	300
cttcatatca	cttacgtccg	nctagtttgt	tgnaaaagag	acaacggttg	ggctgaatta	360
tcagaactag	gttgacgcgt	tatgaatata	gccctttctt	actttgaaac	tcaaaataga	420
tactaaatc	atatctctaa	aact				444

<210> 3720

<211> 474

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(474)

<223> n = A,T,C or G

<400> 3720

cgggcgtagc	acttaacggt	aaataacctct	cttcctagct	ttaaccgact	ggtcggggaga	60
gaaagaatga	gaattgttgc	gccccctgcag	cctctttttc	gttcttttctt	acgttttctat	120
ggataatggc	tctcttttct	ccttgaaggc	ttagggctag	agcgttcttg	ttaggttgct	180
ttggctgacc	cggctganac	ttggctcttc	tncaagaccc	gggtccgcgc	tcgttcatat	240
ctcggctctat	tcaacctgaa	ttgcatttag	ccggccaaca	agatgggtct	acacaagatt	300
aggnggcaga	ctttttgngn	ggacatgctc	atcaagtttg	ccattggcna	aactgggtcaa	360
acgatagata	tgaaatgaca	gggcccagc	angaacaaat	gcatgcatcc	gatgtctatc	420
actgcggccg	agttttactc	acaggtcgca	nantttgtgg	ctntggacct	cggga	474

<210> 3721

<211> 244

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(244)

<223> n = A,T,C or G

<400> 3721

nttttttctt	taccancant	actaattgtg	acaagtcaaa	gaenttggcc	acaacccttt	60
accatgnata	aagaaatgcc	gttcnactgt	ngnggtatt	gtacataccc	atcaacacca	120
ccattgttga	caaacctgaa	tctgcactcc	atnttaccoc	aaanaaggan	gcntttccgg	180
acnccgtccc	agttgggctc	tacgccttaa	nggggttata	aaaaaaaaa	naagaacatt	240
tggt						244

<210> 3722

<211> 617

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 3722

cgccagtcta	gcgccagggt	agaaacggcg	tttcagggga	gtgacatgtc	caagagtgtc	60
cccgatcccc	aagcgcagtc	agggcaagca	ggcgaggcg	agtctgagct	ggtatcacga	120
ctcttgacgt	caatgataac	aagcattctc	gaagcctaag	tcaactcaaa	caacttggaa	180

tgggcagcaa	ggcatctgga	atatctgaac	cctgagagga	ttctaccgag	gaagccaacc	240
atgctgcagg	cattttaagca	agtagacgag	cttcaaacca	gggacgcctt	ggttggacaa	300
ttagttgctg	ttgcccgcga	cttgggcctg	gcggaattgc	cctctgacga	ggccaagaag	360
attttgaggt	caccattcgc	tacgaatcca	ttgtctatcg	aaccgatcc	caacaatccc	420
gaagctatta	aactatcgac	tgggtggctt	tctttgcctg	actgcttacc	gcatgttcgc	480
atcanacatt	tttgacgcca	attacgaaca	gcccgaatgcc	aatatttttc	ctgagcatca	540
caacctgttg	aagaagtcc	tccgtgatga	accacagact	cagatngaag	gcaacccccg	600
gcaccgtana	ggcattn					617

<210> 3723

<211> 357

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(357)

<223> n = A,T,C or G

<400> 3723

tttttttttt	cttgaagggg	gtttcctatt	tctgttctta	atacgatttc	aacgtcaaac	60
tcaatacgtg	acctgaaagc	gaccaataat	tgaaacgata	acggacaccc	cnttgccctnc	120
aaaagcaatt	gctntttatac	gagcgtgttg	ctgcaaatat	naaaatgtcg	ccgagaactc	180
caattcgcg	gcctccatct	caatcaaatt	tcatgagtgt	ttatcgctcg	ttatggaccc	240
gctcgtnatg	acgctgctgc	cggggcatct	gctcccttgg	tctgngccgc	aagctccgat	300
ccaggtcgca	accacgttct	natatgccgg	acttgcagct	cgngatgata	gcatctt	357

<210> 3724

<211> 574

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(574)

<223> n = A,T,C or G

<400> 3724

ggcaacgggt	caaaagacaa	cacaacacga	aacatcaaaa	ctttagaccg	cgttcaaacac	60
cgcgttttct	acagcacctg	ctacatctct	agggacccag	accacatctt	cttttgttct	120
agcgaagaa	ccgagaccct	tccgccccag	ctgtgccagg	acacacgcca	tagcattatg	180
gattcgctc	acaaatgaac	atctcgcttg	gcttcatccc	cgcgccagtt	gtcctgtcca	240
catgtcgaaa	attgccaggg	gaagccagtc	aagttagtct	tgcatoctac	gcacgagcgg	300
atggatgttt	gggaaactcg	gcgatagatc	tgagatttct	cggatatcag	cttaagcgag	360
ctgagcgctg	caaactactc	tttacgcgan	gctctaaagc	aagcgtgcca	tcgagtagaa	420
cggatatacca	tcgagcagan	tcccaggcaa	cgtctttgat	ttcgtaatca	agttattgga	480
nccttganca	tcatccaact	tgacaagaga	catctccgac	aaatgcengc	tgttgatcat	540
tgcagacgan	aacaccacaa	atccatcttt	tttc			574

<210> 3725

<211> 307

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(307)

<223> n = A,T,C or G

<400> 3725

tcacttatac	ctatcatcat	tgcattgcga	aatctactgc	atcatgaccg	acatctctac	60
aactcctcct	ctgactcgtg	actcagtcac	tgaagctcac	aaactcatcg	gccaatacgt	120
ccactatacg	ccagttctca	ccaaccggac	catcactaaa	cttgccctcaa	cccctcgcac	180
agnngaggaa	cttgagggaa	ctcgcctatgc	tggaggagca	ccggcccggc	cgggtgttgag	240
actctgggtt	aaatgtgana	atatgcagcg	cataggagct	ttcaaagcta	gaggcccttt	300
catgcgg						307

<210> 3726

<211> 166

<212> DNA

<213> Fusarium venenatum

<400> 3726

cgactcaaac	cccgcgagct	agaggacggc	agtgtgattg	agcctcagag	tgggtcaattc	60
aggaggtagt	ggatggaggt	cgggtgtttt	ggttgacatc	aaggaaacgt	agttctgttc	120
acgatccggc	tgcgatacaca	gtcaagctcc	aatgggtcctt	gcttac		166

<210> 3727

<211> 189

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(189)

<223> n = A,T,C or G

<400> 3727

ngaatacaata	aagcmttggg	aaaaangtac	ttccanattc	ngttctggag	aattntcnac	60
aaggaattnt	ggtaaaant	ggaccataan	gtttttgntt	cggnacacaa	aggcmttggg	120
ttaaagaaac	tnggggttgg	ttgcatttag	ccaatccent	tggggttttc	cgctttgttt	180
tgggccttt						189

<210> 3728

<211> 281

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(281)

<223> n = A,T,C or G

<400> 3728

cattaaagga	tgcctctcgt	ttaatctgat	gatggttctg	ttgtatagt	ctcgcacgtc	60
gtggaattta	aggcaactga	ggtgatgagc	aatattattt	gcgatgcggc	atcacgaatg	120
gaacttggag	gttaatgttt	acggnggtcc	tgtatattgc	togagattaa	gacatgaata	180
acggcaaatg	aatgatcaga	cttctgcacg	tttccgagta	taccangaga	tatggctgca	240
ttnaaagact	gntttttttg	cntattttac	gtncgcctta	g		281

<210> 3729

<211> 390

<212> DNA

<213> Fusarium venenatum

<400> 3729

cattactttc	attatttttc	tttgttttct	ttctcaatca	ccttggataa	ggaagagtca	60
caggcggata	ttataccctt	ttctatataa	caatttttggg	atgggttgag	ggcggcctca	120
gagctggccg	gcactcgcta	tggagtttag	gtttctttct	tttactgaaa	tgatgttaca	180
gtcatcaaaa	agttggaagg	atacataggc	ccttccgtca	ttgctctggt	cagaggtttg	240

tcacaaccct	ggcgaagaag	atTTTTgcct	acagcgaaag	ttgctgcaag	gccacacata	300
agttcgatcc	tgccccgaag	gccaggtaca	gttggacttg	aaagaattag	atagtaaaaa	360
tataaatgaa	gaccaggcat	ggcctgtttc				390

<210> 3730
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 3730	
gtgaagagaa	gagaggtaga
accaaaca	tgcgaggcca
gcattgcctt	catatgcctg
ccgagcactg	aagcgcccaa
cctgcggatg	ctcgattcga
cggcatcgca	gaactctata
aatgccaatc	tacctctcga
cagcgcattc	cactacacac
tactcgcgatg	acacagatga
cgctcaaac	actgaccccc
	ctggtatcnt
	gtnaagaaag
	ttgtctttcc
	cng
	60
	120
	180
	240
	300
	360
	420
	480
	540
	593

<210> 3731
 <211> 134
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(134)
 <223> n = A,T,C or G

<400> 3731	
nnccccatac	ttnggaacat
gntttattcc	nncactaccc
aanaaagacn	cccc
	60
	120
	134

<210> 3732
 <211> 175
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(175)
 <223> n = A,T,C or G

<400> 3732	
naaagcgctc	gngaggntct
gatgaattct	gngggcccca
aactttgttt	aatacantcc
	cctgccggng
	acaatggtgt
	tttncctgg
	gccaa
	60
	120
	175

<210> 3733
 <211> 429
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(429)
 <223> n = A,T,C or G

<400> 3733
 ttttatttcc tgggggtata gggcggcgct ttttttttta aaatacatat tcccagaaga 60
 atgcctctat ccctagtcct acggaccagc aagctcgga ttacaggaat caggaatcag 120
 ccagcaacct atattgagaa gtaagaataa ttaataatat atgggggttaa tttcaaaaat 180
 tacttacgcg ttgctttacg agactccgct tataaagctc gctatgtaaa tttgaagcga 240
 aatttatctt agcataaatt ataagataaa gacgttcaac gactataagg ngagttatat 300
 gcagttttcg aggaagagca agctagccga tatataaagc tagttgcttt tacttgagct 360
 tttttcttcg aaaaatacta aacaataatc ctttttttacn cccaacatta ttattatata 420
 tatatatat 429

<210> 3734
 <211> 486
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(486)
 <223> n = A,T,C or G

<400> 3734
 aatgaaatcg gcgggttttg aggtggtcaa aacttcattt tcaaccaagc atgtggaaat 60
 cctgtcccct cggggtgaaa gcttcatacc ctggtcccaa tgtcaagggt caagggtcta 120
 tatgcagatc ccgtttcttg taccgtggtc ctgaattggc ttgtcttatt ctccctacccc 180
 agtctanaag aaattacgat ctttctgaga ccgccacaaa aaagttcctg canaaacggt 240
 gcanactttt gacagggtt gctaaacagc ggaaaggaag aaccgcctct acggcttgct 300
 gatctttcag gagactgttc cttcaaaaaa ggaaggtctt taactggact aggttgctct 360
 ggtgatcgcc aattggggct gtccanacct aggccaggat actgtaataa gntgggggtc 420
 aaagttacac ccanggccca ggttttgatc gatcaagctc aaactcaatt gatgaaatta 480
 tgngag 486

<210> 3735
 <211> 225
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(225)
 <223> n = A,T,C or G

<400> 3735
 ntaatttgcg ttcccnccat ttttttgct gctctcgtcg ccanttaaat ccatttcaac 60
 gttcggnttc cccattcga cgattgganc caatgaaatt ggatgaaaac ctccctcttt 120
 tgcctcacc naaacctttt gggaatcct tttgtcgagt ccngacatt aangatcctg 180
 ngnggttttt ggntttttaa acccnngctt tttaatccnc aaccn 225

<210> 3736
 <211> 226
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature

<222> (1)...(226)
 <223> n = A,T,C or G

<400> 3736
 aagaaaaatnc nggggacgaa agaaggagaa taaatggatt ggttcaacaa atacaaccca 60
 accatctgac aagggatagt ctacgggacg tacaaggtag atagttggag cgaccttgag 120
 aagactcacc tttctgactg tcgaggggtct gtggacatgc ttccaggctg agtttccgaa 180
 tcgggtatcc taatcgntga gtactaaact gagtcaatcc tcaccc 226

<210> 3737
 <211> 341
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

<400> 3737
 aaaancctcn tcctgcaaga ncaactaatt tccaatcccg gttcaggggtt agccgcgtgc 60
 cgttcgctgg aaccgtgtaa tgatgaagtt gtctcttgta cctgattgca atggaatggt 120
 atacttagct ttgtatcaag gnggctttgc ttacatcagt gtgaaagagc ataataaggt 180
 aacttactct caagccgtag ctttttctaac aatctgaggc caggggtcttc tgagagtga 240
 gtcaaaacct aactgtatgc actcaccgga agcacatcta tttttccata ctataaaaaac 300
 acaaggagag tgaatcaaaa ctgttttacg ggaaaaaaaa a 341

<210> 3738
 <211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 3738
 cggccgcagg aatttttttt tttttttttt tttttttgcg gaanaaagcc gagttaaag 60
 ctaagcaaga agcaaacaaa agtgatggaa atgagctcaa tgacggagaa ggggaagaac 120
 agggcggcct gctcttttga gatacaagtt gctgtacact ctgattcctg aacatagctt 180
 ttttcgctcc caatacccgat aatgtacacg tacgttcctg tctgggcatg ccaggaccca 240
 tcctctctat atctctatag aatcggttcac aattctcatt acaagttccc acgaggttcc 300
 gctatganac aaccttctcg acccancttt ttctctagct tttgacctca gccttgaagg 360
 ttttcacctc ctgccagcag tngagcggnc cttcggtcgt gctctcactt ttgancttgg 420
 taccgctggg gtccaattga accagcctga ggaccctaca ctacttggtg ccgaaacttt 480
 gtntttgnac aagaccatag agactaccgg gcaaaaagtt ttgggtattt agcaagcacc 540
 atnaccttcg acangaacca caanattnaa ccgcacatct cccaaaggct gggcaccat 600
 ttctctttgn gcccgaatgg cgacaa 626

<210> 3739
 <211> 418
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 3739
 natgtgtnta atttacncca ccctgataan aaccttccat tgcaatgcc cggnnttcgga 60
 aatagcgag gcaaggcntc ctttttttcg tgcactgang agggcatacc ancntttttg 120
 agcacagagc gcacaaacca aantttccnt gtctganccn aattgtcgtt tcctggactc 180
 aaaatgcatt tgttccgcgg gagggaaact gcctcgtcgc tgaacaattt ttntttggng 240
 ggtancctct cgangggggg anattgaggc ccttntgata aaggngggga ngaaaaana 300
 anaagcccc ggtcgttttn tattcnaaan gcctacnggg gttaattgga ggggcccnaa 360
 aaactnttaa agcggggggg ctgnccttta aaaactcgan agnggaagaa cagcgtat 418

<210> 3740

<211> 333

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(333)

<223> n = A,T,C or G

<400> 3740
 ctggaagaat tcgcggccgc aggaatTTTT ccagtgacaa gactctgaag aaagacaaga 60
 aggttgtccc tccagtgtgt aagacggcac gcaagacgag aagtcaaggc cctgttgaag 120
 tctaggcgcg atttataaat ctttccttat tttatcatta ccgttttatg agtgttgagc 180
 aaaacattgc tccaaggatg gtacggnnaa aacggcacag tcggtgatgg gaacaggacc 240
 agcttcccaa agtctgcctg attggaggta ttacgtgtat atttatgcgc caggtantaa 300
 aacaatgatt attcgctctt ggaaaaaaaa aaa 333

<210> 3741

<211> 293

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 3741
 ggccaacctg taatacagtt ggtgtgtatt gtgacaaatt tttggtgtat cttgantcag 60
 ggggtgtcagg ggtggtgata accaaaaata tttttgacac tggagttttg ggggggcntt 120
 tnggggggtn tnggcaagcg actggcagat acgttttntt accttgcatt gttnggaggg 180
 tacaacattt gaggccatat acgcaacagc ngtgtaatat gaggtttagg ggatcctncc 240
 gaaggaacca aattaaaagc ntcttctcna tgccaaaaaa taanaaaat tat 293

<210> 3742

<211> 374

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(374)

<223> n = A,T,C or G

<400> 3742
 tctatgatga agagagcaac ggtacgtttc gtatacggga acacgttcag gaggatgctc 60
 gttggagatt aaactagtgg tgcaatggtg agttgcatat tcttctgatg aaataccccc 120
 tttgtcgaat acccttcacc taccactttt accggagtgg accggcttgg tgtttttggg 180
 ttggaaaaga ncatggcgag gatgagttga aatgaaacga gaaacgctca gcgcttgaa 240
 catgaaagga agctacattc ttacacttgg tacgcggtcg tcgtatacct atttatacct 300

taaattctag ttactattgg aactgcgag agctcagtct tagcctcgta cgtgacatca 360
ataattggcc tgggt 374

<210> 3743

<211> 339

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(339)

<223> n = A,T,C or G

<400> 3743

ccagctctcc	tcgtcggaca	attgatgcc	tggtttgcna	acaaagtatt	cctgtccaca	60
gcttcgctgt	atggtgtcta	ccacgtcatg	catgatgaca	gcttcttcga	ttggcctccc	120
tcgcctcagc	tcgcgatggc	cgtgttcccc	tacattcgat	cagtntattt	gaacctntgg	180
cgnaattcn	ttctcccgta	cgaagtcaac	ctgaaccgac	agataatggg	ccttccccca	240
atcnaacccc	gacnagatca	gccgcccgcc	aacgaacnac	naccggagca	acgcggggaa	300
ggcggcnttt	tgggcttcct	caacgggtntt	atcgaggct			339

<210> 3744

<211> 286

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(286)

<223> n = A,T,C or G

<400> 3744

gttttttgg	ctccctaata	taacgttccc	agcttccccg	ncacgatttc	ttttatgatt	60
ttcccgacat	ccatctttat	ccttgcttct	cagctctatt	aatccccacc	cgacccgata	120
atatttatcc	cctgcctgtc	cttgntggac	cctttacttg	tcaagctcca	ccgnttgctg	180
ctcgtcgcat	tttcaccatc	atcatgcatc	gacttatttt	atgcgccaaa	cccggggcgc	240
tactgctttt	aaatttaaaa	ccccccacc	ttccttatca	aaaggc		286

<210> 3745

<211> 263

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(263)

<223> n = A,T,C or G

<400> 3745

aaaaattaag	aatcaaccac	tatacgagat	actatcacat	taatcataca	agcntggggt	60
tatcggacgt	cattatttct	atgctcggng	aacccttct	gcctccagca	ccgccgaccg	120
acgccaaaaa	agaaacaaag	cagcagctctg	ggccagtagg	ccgatttntt	ggtaataaac	180
cacctcggca	agttgatact	agtaggaagt	ctacatctgg	ggagaaggan	gccccaaaat	240
gatgtgtttc	gttgctctgcc	tcc				263

<210> 3746

<211> 265

<212> DNA

<213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(265)
 <223> n = A,T,C or G

<400> 3746
 gcgctcagct gggatgatgac ttcaagtgtt tctttgacga gaagatcaac cctgtcctcc 60
 acggcaccgc caatgacgct gccgccgttg tctaagcgct ctttgatgac aagtttggac 120
 tattcaacgc aaaatctacg acactgtttt ttcttttaac cggcgtttgg aactgggatc 180
 tgagaggtct acgacgaatt tgatcatggg acttttggca tagacagcga tatagaatct 240
 tgatatcaat tngaaaaaaa aaaat 265

<210> 3747
 <211> 343
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n = A,T,C or G

<400> 3747
 acccatactt ntttctacta ctaccccaaa ntgggcaaca catcaacatc accttcaaac 60
 cccgagacaa aaganaaaaa gtcnctctac cgctcgctaca aagatagcaa agcaccctgn 120
 ccactcagtg acgaggacat acaaaaagtac acgggcaaga cacgcgaaga actcacaacg 180
 tgggctgact caacgccttg cgtgggaaan aatcacctcg ctgggtccgtg ccatgattgg 240
 ggaaacttct gggcttgctg gactanccat ggcagatgga tatggagggt ggggacctac 300
 cccgacccaa cgatgcaaat agaggaatga ntttntcca aag 343

<210> 3748
 <211> 577
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 3748
 ccacaacaca ctcttttagaa tggcaatgcc acgagccaat ggacctttaa ggacttgtct 60
 gcgccaactg gtgcgctcag agggaccagc tcctctccgc tcgatatccg ccagtcctcg 120
 cgcatccacc acatctcatg cgcttcttaa gaagcgcaag atctcggcac ctgccaacag 180
 tcccaatacc gccactgcga aagccgctgc ggggtctatg aacaaggccg agtatgacac 240
 ggctaagggtg cccatgcccg acccagaaga tcctctcgac tttacagctg ttattgctgc 300
 atacgcaccc atcgatgcgc atttcaagac tcaacttgca ggcatgattc atggcggtcg 360
 cttcaaccca acaaacttgg gttcgttgcc cgtggctatc aaggatgaan aaagtgccga 420
 cgcttcgttt cccctacgaa ancttgcgca ngttgttcct cgatctggcc ganctatttc 480
 gctacttgtc aacgacaang aatacattaa gccatcatg tnagcantgc aatcgaatcn 540
 ggaattcaac cagcagcctc agcgatcaga ananaac 577

<210> 3749
 <211> 348
 <212> DNA
 <213> Fusarium venenatum

<400> 3749
 cttctcgtca ctgtaatgta ctgtgttcag aaagcaacaa aggtaatcgt ccgagaacgg 60
 ctgtaagaat catgcgttat ttccgatggg gacatatcac tcgaaagaaa attaaaaacc 120

cgcaaaagac	ttgcattgca	atccagtgag	aaagaaacag	cgacatcgca	atgtcatagc	180
ggcttactta	ctatcgctgt	gtttggcagg	ttgcacgagt	gatggggcta	aataaaagaa	240
tagcgaacat	tgttgcaaac	atccatagtt	tcattttgatg	ctgatcattt	gaatcaaaat	300
attccgagtc	ataataatac	tcactgttta	tctggccgaa	aaaaaatc		348

<210> 3750

<211> 493

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(493)

<223> n = A,T,C or G

<400> 3750

aagtcgaacc	caagtgccttg	atctgagccc	agatgattct	gtgtgtggga	gcaatcaggt	60
accggctaca	ggggatatcat	ccgccaaacg	ccaaaccagg	gcctctccgc	tccgcccacg	120
attggatcct	tgatgtcncg	cccggtgcca	ngaaccggtt	gcagggggag	ttgcgagtac	180
aaatttcggt	gtgaatggct	caagtctgaa	ggctgacacg	atacgacaca	gaccacaaac	240
gtactgntag	tccttttaaat	tataaaactgc	tttcggtcatt	cattttccgn	tggtatgtttc	300
tcaacatnca	tcgctcgatg	cccaaacccta	cttggggcctg	gcctgggctt	gggtgcttgct	360
ttgtccgctt	accaagtata	ctatcccaaaa	cttccannct	gcagtctgga	cnaatctcgc	420
tcccctgggt	gcacctgtga	catattttata	gnacaaggaa	atngctcgc	ttgatggang	480
tttttgtntt	taa					493

<210> 3751

<211> 585

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(585)

<223> n = A,T,C or G

<400> 3751

gtagatactc	gctcatcccc	attccatcat	atcttaccta	tcatatctgt	cacaaccttc	60
agccttacag	atttcagaga	tcacatagcg	tttagcaaga	ccaggtagat	gggtagcatc	120
atcttactgt	aacggcaata	cgaatccttc	ccacttcccc	ccgatgctaa	ttgtacttcg	180
cctctgagcc	cctggcgctt	ggttcggctc	ctccacatta	ggcatgtcaa	tgttacaatg	240
atagactgca	gttccaacac	cgtacgatgc	tcggaaacga	tggaacaattt	tatctcctat	300
tcgagacagc	tacctccaat	attctccgag	actcgtccgt	cgccgtcagg	caatagccca	360
aatttggtag	gacgcaattc	gccgatcccc	tatttgccaa	gcttggtttt	ggtgactaag	420
tctangtact	aangtggact	tttgaattgt	gctggcatat	aacgttaatc	gtcagggatg	480
acagaactaa	actccccaag	gtttctgtgc	aaaaagcact	gtttcagcct	ctctttccaa	540
attcngantt	taacgantgc	gcagaagggt	gaactttgct	ccgcg		585

<210> 3752

<211> 399

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 3752

nngcactcct	tcaactactg	gcacccattc	ttactctcac	tcacactgtg	attatacttt	60
------------	------------	------------	------------	------------	------------	----

ntggtacttc	ttttcttctc	cttctactct	cttctcttna	aacaatcttc	tactcgtctc	120
ctatatattgt	acttctccat	aaaatacgtc	acgcaaacga	gacagatcca	tcgaatcgca	180
cccgcacatctg	actttgacgc	tttcgacgcc	tcgtcncatt	cgttcaaccc	ccctttacaa	240
tctataccac	cacttttttt	tacgcgcgcc	gnagcctnga	ttctttttcc	cttcgggcacc	300
tatgaccgca	gagctngacg	accttaaaan	aaaccnnggc	nggcggccct	gatnatcaan	360
atggaaaaca	gaggatgcga	atgggaacgg	cacattaac			399

<210> 3753
 <211> 539
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(539)
 <223> n = A,T,C or G

<400> 3753						
canattcaca	gagtatgaac	caatcccaca	aactcancca	cagcctccta	nggatcatac	60
cctactggac	cttccttnag	agcttcacta	cactatnttt	gatcacctcn	acccattga	120
cagtgtttgt	ttcggctctca	ctaactccaa	cttttacgat	attcacccgac	gattgcacgg	180
cactgtgccc	ctttccagtc	ggtactcggg	gccaaacaac	atggaatggg	cttggcgagg	240
agctggtcct	nttgttcatc	gacaagagag	agatcccgan	aaagaaggtc	cattgagcan	300
ctgcgtgtca	anggggcaag	tttactgcaa	aaagngcgga	atctcgcgat	gcgagctaca	360
ccgtntttna	aggactggat	tccccgangg	ctccnatact	tgtntatnaa	ggaaactttn	420
gaaaaccggt	tggnaggac	tcaagccnnc	tggtcttgaa	gtcncccaan	accncacan	480
tttggccccc	tgagagnaana	aggccattaa	cnttttaacc	aaanaattaa	aaaaaacgg	539

<210> 3754
 <211> 138
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(138)
 <223> n = A,T,C or G

<400> 3754						
cgaaagggct	tgacaagccc	attaatgatt	aattatatat	acacacatac	acagactccg	60
gtgcctcaat	tttacgtgtt	agggtgattat	tgaagacagt	gatccatgga	gcaaaattaa	120
actccattcg	ctcaaann					138

<210> 3755
 <211> 337
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(337)
 <223> n = A,T,C or G

<400> 3755						
cgatcccttg	aatggggacg	gcgttttagga	atcaaaagaa	agggattttta	cgtggagcgt	60
ttgtctctga	atgatttgag	tttggggctcg	gacgttccct	ggatagatca	tcaccactcc	120
aagaaaggga	aatcatttgc	atgtcgtgtc	atgacatatc	atggcatttc	gtgtttagcag	180
catagaaggg	gccgggcgtg	ttatatatca	gctggggagga	aaagattagg	gccaanaaga	240
tncttgggccg	agtcaaagga	aagcacagca	gaaggtcctg	ctgcttgat	catcaatcaa	300
tcaccattaa	aggaatggcg	ttttgcccnt	ttactat			337

<210> 3756
 <211> 595
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(595)
 <223> n = A,T,C or G

```
<400> 3756
caagatagtc aaggaggcgc ttattgtgat ttgagcgtgt ggttcctcaa gcgcaagttc      60
atggaatatg ctaaagagaa taaatggggt gagttctgtc gacagttcaa tgacagggcg      120
caactaccgg attgtccaaa actcaacggt gtcaaggcta gccaatatac gtggtacaag      180
cctaaatctg gaccagaagg actgcaggct tgcggagcgt gttaccatga ttacttcctg      240
gcttcagaag acgaagaaaa atggaaccaa atcattggan gtgatttcgg cacgaagtgc      300
aatctgggcc aactgaacca tgtcattctc atgcaccaag ccatggacga tgaagacaga      360
agtctctttt ggaacgcggt gaangagata gacaagtatc cgttctgtac agtcagggca      420
tcaggggchg tgtttggtat acgcccatta acaaccctcc tgggggtntct gcncgcgatg      480
ttaccaaggt ncgtgaaacc anttggaaga tcaagtgggt ttatganaaa cacaatgtcc      540
ccnggatggc tnttcntggt cggttccatc tggactcacn cgcttcaaac ctgga      595
```

<210> 3757
 <211> 636
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

```
<400> 3757
cttagaccgg tgacgtctat caaacagaca gaggggtatac caatcacgac tattctgacc      60
tatccaacag gcctcagaag gtntntttca cggaactccc anaaacacca acaacgccac      120
caagaacaat ttcatacaact ggcttatgaa atctgattcg atggctctga aagttatccc      180
caaagcctna tctgcaggcg gttcagtgca aaggaaanaa acttcanaaa gtggtggacg      240
gacctgctac cgggcagtggt gccagatacc ttccattgga caatttcctg cancacctag      300
aatggtgttc tccgcagctc gctctctana agcctcctcg agagcaaggt gtcgtcgaag      360
acagntatac caccagcaga agcctgacta tggaaaaagt caagtgacca aggtagacac      420
tccgacttgt catgttgtcc aacacaaaca gacacatggc gacttgagac atgtnactg      480
ggaacatgat caaactggg atcggggctc gccanctaaa aaaaacggcc ttgatcccag      540
tctcgagagg atcaaatacg tttacaaaag cncgcgacaa actttggagc ttttagccat      600
aaaagattta aaaaacaagc tagggtgctt gggcct      636
```

<210> 3758
 <211> 635
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

```
<400> 3758
aatttccaga atatcctcca naaggggtgt taggtaggca gtctcatcct atggctgctg      60
cacctaatta ggcatgcncg caatagagat tntatttaag aactggcatc ctatcactac      120
ccgcgaagct gcgtgaaatg agtcaaaaatt actttttacaa agccctagtc tgtcgcaaaa      180
```


<210> 3765
 <211> 194
 <212> DNA
 <213> Fusarium venenatum

<400> 3765
 catgaaagaa acacaagtgc ggtgacgggc ttgtgagtga gcgcaatgga gagcaagcct 60
 ctggcgactg tggcaaggcg acaagcatat ggtgttcggt accataatga cttgaactaa 120
 cacctgcgag aaatgcctcc aggtgaatag tttttcacag tagtgagata gaaataaagt 180
 tcaagttctc tccc 194

<210> 3766
 <211> 226
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(226)
 <223> n = A,T,C or G

<400> 3766
 ncgtncatgn atgaagcaaa tnnttttttc aggccacacc cgaacgcttc aggnccagcgc 60
 gtgctattct ccnaancccc agccatngtg nggctcaaaa cttnggtttg gtgccgcgcgc 120
 atnggtttac ggggggggat ggctcgnttg ntccnaatt aaaanggggt nccnaacctg 180
 cctgggnaan cttttntaa caattnggtt gataaacggg gcacgg 226

<210> 3767
 <211> 343
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n = A,T,C or G

<400> 3767
 tgactgcccc gtgaccant tttcaaagcc acncgccang ggataaagcg ttaagtcaga 60
 attgaaattg taaagggaga ttcagagcgt cgtgactctt gactagacta gtctattctt 120
 gagtatccgt aaagtgaagc aagtgcctcat gattaaattg ctttagggta ggctgctgat 180
 ccttgaatga gcttcaagag tgacaggcat gaagtatgct cgttattcag gtcagctgga 240
 atgtaattgt ctcgacttga tagcagatct tacggatagt tanacnccat tgctatcgtt 300
 tgttaaacta atggccttct tacccttgac tagcaatcaa cca 343

<210> 3768
 <211> 377
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 3768
 gataagtcac tcaaaatggg cggcgggcga aaagtccctt accctaagca cgtctgggtcc 60
 ccagccgggtg gttggtacgc gcagcctgcc aactggcgcg gcaataactct gattgctggt 120
 gtcgtcatgg ccggtatcgt ggctgttact tggaagttca gctctgagcg agaacaatgg 180
 gcgcaccgac ctgagccagg tcaatggtac gccagccgac actggtcaaa gcagttgaag 240

ccggcagctt	cattctggcc	aacttcgata	gcagccgttc	cggaaggac	gcaaacaccc	840
tcctgggaag	catccacacc	tttgatcctg	aggccgcatg	cgacgactcc	accttcacgc	900
cctgctcccc	gcgcgcgctc	gccaaaccaca	aggaggttgt	agactctttc	cgctcaatct	960
ataccctcaa	cgatggtctc	agtgcacagc	aggctgttgc	gggtgggtcgg	taccctgagg	1020
acacgtacta	caacggcaac	ccgtggttcc	tgtgcacctt	ggctgccgca	gagcagttgt	1080
acgatgctct	ataccagtgg	gacaagcagg	ggctggttga	ggcacagat	gtgtcgctgg	1140
acttcttcaa	ggcactgtac	agcgatgctg	ctactggcac	ctactcttcg	tccagttcga	1200
cttatagtag	cattgtagat	gccgtgaaga	ctttcgccga	tggcttcgtc	tctattgtgg	1260
aaactcacgc	cgcaagcaac	ggctccatgt	ccgagcaata	cgacaagtct	gatggcgagc	1320
agctttccgc	tcgcgacctg	acctgggtctt	atgctgctct	gctgaccgcc	aacaaccgtc	1380
gtaactccgt	cgtgcctgct	tcttggggcg	agacctctgc	cagcagcgtg	cccggcacct	1440
gtgcggccac	atctgccatt	ggtacctaca	gcagtgtgac	tgtcacctcg	tggccgagta	1500
tcgtggctac	tggcggcacc	actacgacgg	ctacccccac	tggatccggc	agcgtgacct	1560
cgaccagcaa	gaccaccgcg	actgctagca	agaccagcac	cagtacgtca	tcaacctcct	1620
gtaccactcc	caccgccgtg	gctgtgactt	togatctgac	agctaccacc	acctacggcg	1680
agaacatcta	cctggtcgga	togatctctc	agctgggtga	ctgggaaacc	agcgacggca	1740
tagctctgag	tgctgacaag	tacacttcca	gcgaccgct	ctggtagtgc	actgtgactc	1800
tgccggctgg	tgagtcgttt	gagtacaagt	ttatccgcat	tgagagcgat	gactccgtgg	1860
agtgggagag	tgatcccaac	cgagaataca	ccgttccctca	ggcgtgcgga	acgtcgaccg	1920
cgacggtgac	tgacacctgg	cggtagacaa	tcaatccatt	tcgctatagt	taaaggatgg	1980
ggatgagggc	aattggttat	atgatcatgt	atgtagtggg	tgtgcataat	agtagtgaag	2040
tggaagccaa	gtcatgtgat	tgtaatcgac	cgacggaatt	gaggatatcc	ggaaatacag	2100
acaccgtgaa	agccatggtc	tttccttcgt	gtagaagacc	agacagacag	tccctgattt	2160
acccttgcac	aaagcactag	aaaattagca	ttccatcctt	ctctgcttgc	tctgcttgat	2220
atcactgnca	ttcaaaaaaa	aaaaanaaaa	aaanaaaa			2258

<210> 3772

<211> 810

<212> DNA

<213> *Aspergillus niger*

<400> 3772

gttgtttgac	ctggcccaca	ccacgggctc	caactgtaatg	cgcgcaacttt	cctgggaatt	60
ccctaataag	ccaacattgg	ctgcggttga	gactcaattc	atggttgggc	cggccatcat	120
gggtgtcccg	gtattggagc	ctctggtcaa	tacggtcaag	ggcgattcc	caggagttgg	180
acatggcgaa	gtgtggtacg	attggtacac	ccaggtgca	gttgatgca	agccgggggt	240
caacacgacc	atttcggcac	cattgggcca	catcccagtt	tatgtacgag	gtggaaacat	300
cttgccgatg	caagagccgg	cattgaccac	tcgtgaagcc	cggaacccc	cgtgggcttt	360
gctagctgca	ctaggaagca	atggaaccgc	gtcggggcag	ctctatctcg	atgatggaga	420
gagcatctac	cccaatgcc	ccctccatgt	ggacttcacg	gcacgcgggt	caagcctgcg	480
ctcgtcggct	caaggaagat	ggaaagagag	gaacccgctt	gctaattgtga	cgggtgctcg	540
agtgaacaag	gagccctctg	cggtgaccct	gaatggacag	gycgattttc	ccgggtctgt	600
cacgtacaat	tctacgtccc	aggttctctt	tgttgggggg	ctgcaaaact	tgacgaaggg	660
cggcgcatgg	gcggaaaact	gggtatttga	atggtagtgt	cagccacaag	ccaggtgtgc	720
gcgtacagca	tgcaacatgg	gaacgatgct	ctgcaatgta	gctctttggg	tataattcaa	780
aattcaactt	ycacctttga	aaaaaaaaa				810

<210> 3773

<211> 619

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(619)

<223> n = A,T,C or G

<400> 3773

cgggtctcaag	ctaccgctcg	atcatatacc	agcacggctg	cgaccagcgt	tagcatatct	60
gggtgatctct	ctagccagct	tcattctggc	tatagtcac	cactgagtag	atcatggcaa	120

gccgagaagc	agttgaccaa	ggagatgctc	atatatcccc	ttttcattac	cgataaccct	180
gatgaggaga	cgccctattcc	atcccttcca	aatcagtatc	gccgaggact	gaatcggttg	240
gtccccttct	taagaccatt	agtacagaaa	ggcctgcgtt	ccgtgattct	gttcgggtgc	300
cctttgcatc	catctgcaaa	ggatgcgctg	ggaaccgctg	cagatgaccc	gaccgggtcca	360
gtagttcagg	ccatacgcct	tcttcgttgc	cgcttttctc	aactttatat	cgtagacggat	420
gtttgtcttt	gtgaatacac	ctcacatggt	cattgcggga	tactacgtga	ggatggggag	480
ctcgataacg	cacagtcctg	tgatagaatc	tcagatgtag	ccctcgcccta	tgctgctgcc	540
gggtgctcact	gcgtgggctnc	gtcagatatg	aatgacggca	gaatccgngc	cataaagctg	600
aagcttattg	gaactggca					619

<210> 3774

<211> 1174

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(1174)

<223> n = A,T,C or G

<400> 3774

ggaaccacg	gttgccgttg	tagtacgtgt	cctcagggtg	ccgaccacc	gcaacagcct	60
cgctgtcact	gagaccatcg	ttgaggggat	agattgagcg	gaaagagtct	acaacctcct	120
tgtggttggc	gagcgcgcgc	ggggagcagg	gctggaaggt	ggagtcgtcg	catgcggcct	180
caggatcaaa	ggtgtggatg	cttcccagga	gggtgtttgc	ggtcacagat	gtgtcgctgg	240
acttcttcaa	ggcactgtac	agcgatgctg	ctactggcac	ctactcttcg	tccagttcga	300
cttatagtag	cattgtagat	gccgtgaaga	ctttcgccga	tggcttcgtc	tctattgtgg	360
aaactcacgc	cgcaagcaac	ggctccatgt	ccgagcaata	cgacaagtct	gatggcgagc	420
agctttccgc	tcgcgacctg	acctgggtctt	atgctgctct	gctgaccgcc	aacaaccgtc	480
gtaactccgt	cgtgcctgct	tcttggggcg	agacctctgc	cancaacgtg	ccccggcacc	540
tgtgccgggc	acatctgccca	ttggtacctg	cagcartgtg	actgtcacct	cgtggccgag	600
tatcgtggct	actggcggca	ccactacgac	ggctaccccc	actggatccg	gcagcgtgac	660
ctcgaccagc	aagaccaccg	cgactgctag	caagaccagc	accagtagct	catcaacctc	720
ctgtaccact	cccaccgccc	tggtctgtgac	tttcgatctg	acagctacca	ccacctacgg	780
cgagaacatc	tacctggtcg	gatcgatctc	tcagctgggt	gactgggaaa	ccagcgacgg	840
catagctctg	agtgtgtgaca	agtacacttc	cagcgacccg	ctctgggtatg	tactgtgtgac	900
tctgccggct	ggtgagtcgt	ttgagtacaa	gtttatccgc	attgagagcg	atgactccgt	960
ggagtgggag	agtgtatccca	accgagaata	caccgttcct	caagcgtgcs	gracgttgac	1020
cgcgaccggt	gactgacacc	tgggcggtag	acatcawtcc	aatttcgcta	taattaaaag	1080
gatggggatg	aagggcaatt	ggttwtatga	tcatgggtatg	tagntgggtg	ttnatnaata	1140
gtagtgaat	gggagccaaa	gtcatgtttga	ttgt			1174

<210> 3775

<211> 1389

<212> DNA

<213> *Aspergillus niger*

<400> 3775

gtcaacctcc	ggcagcatgg	acgacctcta	caacatgatc	aacaccgtca	aatccgactg	60
tccagactca	acactcctgg	gcacattcgt	cgagaaccac	gacaaccac	ggttcgcttc	120
ttacaccaac	gacatagccc	tcgccaagaa	cgctgcagca	ttcatcatcc	tcaacgacgg	180
aatccccatc	atctacgccc	gccaaagaaca	gcactacgcc	ggcggaacag	accccgcgaa	240
ccgcgaagca	acctggctct	cgggctaccc	gaccgacagc	gagctgtaca	agttaattgc	300
ctccgcgaac	gcaatccgga	actatgccat	tagcaaagat	acaggattcg	tgacctacaa	360
gaactggccc	atctacaaag	acgacacaac	gatcgccatg	cgcaagggca	cagatgggtc	420
gcagatcgtg	actatcttgt	ccaacaaggg	tgcttcgggt	gattcgtata	ccctctcctt	480
gagtgggtcg	ggttacacag	ccggccagca	attgacggag	gtcattgggt	gcacgacccg	540
gacggttggg	tcggatggaa	atgtgcctgt	tcctatggca	gggtgggtac	ctagggtatt	600
gtatccgact	gagaagttgg	caggtagcaa	gatctgtagt	agctcgtgaa	gggtggagag	660
tatatgatgg	tactgctatt	caatctggca	ttggacagtg	agtttgagtt	tgatgtacag	720

ttggagtcgt	tactgctgtc	atcccccttat	actcttcgat	tgtttttcga	accctaatagc	780
caagcacgct	agtctattat	aggaaaggat	ccggattaat	gtgttttcat	aacgcggtac	840
tgatggtac	ttctgtatta	tatcaccgaa	gctcatgtat	cttacatgta	tatattatac	900
agacacaacc	ttggttatgt	acatcaaact	caaactcact	gtccaatgcc	agattgaata	960
gcagtaccat	catatactct	ccacccttca	cgagctacta	cagatcttgc	tacctgccaa	1020
cttctcagtc	ggatacaata	ccctaggtag	cccacctgcc	ataggaacag	gcacatttcc	1080
atccgaacca	accgtcacgg	tcgtgcagcc	aatgacctcc	gtcaattgct	ggccggctgt	1140
gtaacccgca	ccactcaagg	agaggggtata	cgaatcacc	gaagcaccct	tggtggacaa	1200
gatagtcacg	atctgcgacc	catctgtgcc	cttgcgcatg	gcgatcgttg	tgctgctctt	1260
gtagatgggc	cagttcttgt	aggtcacgaa	tcctgtatct	ttgctaattg	catagttccg	1320
gattgcgttc	gcggaggcaa	ttaacttgta	cagcactacg	ccggcggaaa	cgaccccgcg	1380
aaccgcgaa						1389

<210> 3776

<211> 1048

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(1048)

<223> n = A,T,C or G

<400> 3776

cctgctgcgt	cggcgaagtc	gacaacggca	accctgccct	cgactgccc	taccagaagg	60
tcctggacgg	cgtcctcaac	tatccgatct	actggcaact	cctctacgcc	ttcgaatcct	120
ccagcggcag	catcagcaac	ctctacaaca	tgatcaaata	cgctcgcaagc	gactgctccg	180
atccgacact	actcggcaac	ttcatcgaaa	accacgacaa	cccccgtttc	gcctcctaca	240
cctccgacta	ctcgcaagcc	aaaaacgtcc	tcagctacat	cttctctctc	gacggcatcc	300
ccatcgtcta	cgccggcgaa	gaacagcact	actccggcgg	caaggtgccc	tacaaccgcg	360
aagcgacctg	gctttcaggc	tacgacacct	ccgcagagct	gtacacctgg	atagccacca	420
cgaacgcgat	ccgcaaacta	gccatctcag	ctgactcggn	ctacattacc	tacgcgaatg	480
atgcattcta	cactgacagc	aacaccatcg	caatgcgcaa	aggcacctca	gggagccaag	540
tcatacccg	cctctccaac	aaaggctcct	caggaagcag	ctacacctg	accctcagcg	600
gaagcggcta	cacatccggc	acgaagctga	tcgaagcgta	cacatgcaca	tccgtgaccg	660
tggactcgag	cggcgatatt	cccgtgccga	tggcgctcgg	attaccgaga	gttcttctgc	720
ccgcgtccgt	cgctcgatagc	tcttcgctct	gtggcgggag	cggaagatta	tacgtcgagt	780
aatccggagt	ggtcgggttac	tgtgacgttg	ccggtgggga	ccactttcga	gtataagttt	840
attaaggtgg	agtcggatgg	gactgttact	tgggaaagtg	attcgaatcg	ggagtatacg	900
gtgccggagt	gtgggagtgg	ggagacgggtg	gttgatactt	ggaggtagat	gatctgagat	960
ttctaagtgt	gatgaggggtg	gttttggtgn	atgtaagttt	gggctttggt	agtgttgggg	1020
ttgggttggg	ttaatggata	tggtatgg				1048

<210> 3777

<211> 670

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 3777

agccaaggca	ccaccacat	ggatcatgcgt	cgtcccgcgg	aggctcttct	gaacgagctg	60
ggcgttccct	acgaggaaga	cctagcgaac	cccaactacg	ttgtgggtcaa	gcacgcctcg	120
ctgttcacct	cgaccctgtt	gtccaagggt	ctctccttcc	ccaacgtcaa	gctcttcaac	180
gccaccagcg	tggaggacct	gatcactcgc	cctgctgcca	gcggcgaccc	caagggaagtc	240
cgcattgccc	gtgtgggtcac	gaactggacc	ctggtcacac	tccaccacga	cgaccactcc	300
tgcattggacc	ctaaccacat	caacgctccc	gtgatcatca	gtaccaccgg	ccacgacggt	360

cctttcgggtg	cctttctcggc	caagagactc	gtctccatga	acagcgtcga	caagctgggc	420
ggtatgcgcg	gcttgacat	gaactcggcc	gaggacgcca	tcgtcaagaa	cacccgtgag	480
gtcaccaagg	gtttgatcat	csgtgggtatg	garctgtcsg	agatcgatgg	cttcaamcgc	540
atgggtccta	cctttcgggtg	tatggtcctg	agcgggtgtca	aaggtgccga	ggaagcgctg	600
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tgagtgnag						670

<210> 3778
 <211> 612
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 3778	
attggcgcta	ccgacaccct
gagtcctgt	atgaccgcgc
caagcccca	acagtggcct
aagactccct	ttggctctgt
ctggagccat	acattgagcg
tactttggtc	acttccgggg
cgtggacttg	ttcacaaggt
atctcagagg	aggagcagaa
tatctggagg	acaatgtcga
gagcgtttca	ttggaccggc
atggatgctg	tc
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	612

<210> 3779
 <211> 582
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

<400> 3779	
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caccacgggc	ctgcgctcct
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catctcgaat	cccacactcg
gcaggccgag	ctgtggatgc
tctccaggag	aagaaggccg
gccccccaag	ggcgagaacc
tttggtat	tctacgtcat
ggagtggcag	gaggccttca
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	60
	120
	180
	240
	300
	360
	420
	480
	540
	582

<210> 3780
 <211> 643
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(643)

<223> n = A,T,C or G

<400> 3780

tttctccaag	ttgttcgacc	gcctatgggg	ccgcaaggag	atgcgtattc	tgatggtcgg	60
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caccatcccc	acgattgggt	tcaacgtcga	agaccgtcga	atacaagaac	attcagttca	180
ccgtctggga	cgtcgggtgt	caggacaaga	tccgtcctct	ctgggagaca	ctacttccag	240
aacacccagg	gtatcatttt	cgttgtcgac	agcaatgacc	gtgaccgtat	cgtcgaggcc	300
cgtgaggagt	tgcagcgcac	ggtgaacgag	gatgaactcc	gtgacgccct	tctcctgggt	360
gttcgccaac	aagcaagatt	tgccgaacgc	catgagccct	gccgagatca	ctcagcagct	420
tggtctgcag	agcctcacc	gccgtccctg	gtacatccaa	tccaactgcg	ccacgactgg	480
tgacggtctg	tacganggtc	tggagtggct	ttgctgagac	gctgcggaaa	acgaancgcg	540
actaaaactg	atcatctaata	gagtgggaaga	atacctggaa	gtttgtgaac	ctgggaantt	600
gcngatgctg	gattgggggaa	acggggggccg	gcaaagtcac	ctc		643

<210> 3781

<211> 621

<212> DNA

<213> *Aspergillus niger*

<400> 3781

ccactcacct	tccgcgcac	gccatctgcg	atcctcccca	caacactcca	cctagatata	60
tacaccgtta	actgcgcttc	tacaacatgc	agatcttcgt	taagacccta	accggcaaga	120
ccatcacct	cgaggtcgag	tccagcgata	ccatcgacaa	cgtcaagacc	aagatccagg	180
ataaggagg	catccctccc	gaccagcagc	gtctgatctt	cgcgggaaag	cagctggagg	240
atggccgcac	gcttagtgac	tacaacatcc	agaaggagtc	tactctccat	cttgtcctcc	300
gcctgcgtgg	tggtagcgag	attttcgtca	agaccctgac	cggaaagacc	atcacctctg	360
aggtggagtc	ttctgacacc	atcgacaatg	tgaagaccaa	gattcaggac	aaggagggca	420
ttcccccgga	ccagcagcgt	ctgatcttcg	ctggaaagca	gctggaggat	ggccgtaccc	480
tgtctgacta	caacattcaa	aaggaatcca	cccttcacct	cgctcttcgt	ctgcgtgggtg	540
gtatgcagat	cttcgtcaaa	gactttacgg	gaaagacgat	cacattggga	agttgaatct	600
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<210> 3782

<211> 839

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(839)

<223> n = A,T,C or G

<400> 3782

atcatcacct	tcttagccca	cgaaatcctc	tatttcgccc	gctgcatccc	gtggataatc	60
gccgacgctc	ttcctacatt	atttcaccgt	ttcaagattc	aggacaaaaa	ggcaccacca	120
tcggcaaagg	aacaatggag	ctgtgtgaaa	tatattcttg	ctatccactt	cattgtggaa	180
atgcccatga	tcgttctgtt	ccaccgatg	atggaactct	tcggtctcaa	atacgccctt	240
cctttccccg	acctcaagac	cctcgccatt	caaatcacaa	tcttcttctt	cgttgaagat	300
acataccact	actggctcca	tcgtgccttt	cactggggcc	ctctgtatcg	tgccattcac	360
cgggtgcacc	accagtatgc	cgcgcctgtt	gggttgacgg	ccgagtacgc	cagcccgtgg	420
gagaccatgc	ttcttggcct	gggcacgatt	ggacccctt	tggttctggg	ctactttacc	480
ggcgaagtgc	atttgatgac	tgtgctggcc	tgggtggctt	tgcgtcagtt	ccaggccatc	540
gacgcgcatt	ctggatacga	tttcccttgg	agcctgagac	ggatcttccc	gctgtgggga	600
ggatcggact	ggcatgacga	tcaccatcgg	tacttccggg	ggaactactc	tagctcgttt	660
aagcactggg	atatcttaata	gggaacggtt	gccggtcccc	ggggaaagaa	gatgcggcaa	720
gagtataact	tccaagaacg	cgtttattat	tattctctgt	acagtaatac	attataatat	780
aatataatct	tacgacccga	caatcgagaa	atcatcatac	cagcgaaaaa	aaaaaanac	839

<210> 3783

<211> 530
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(530)
 <223> n = A,T,C or G

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<400> 3783
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gtggtgttcc aggccgntgc tgcccattgc atcggtcagc gcgagcagga aatcgtatng      180
atcgaaatgg cgcgcgcgca atgcgcccac ggccttcgtc gccaggttgc gataggcggc      240
caggttttcc ggcttgatcn ccagcagctc gggcttgcgc gccaccanac cgaaatagac      300
gttggtggcc aaatctgccc cgcggcataa ancccggcan agatcggcga atcgaccagg      360
gtttcatagt cggtttcggc ccaagtcacg gtattgcccg cgccgctctg cgtcttgcca      420
tccaancgcy gtnaacacng tccanccctg ccggaanctg acngtgggac gcaccttgat      480
ctggcgcaca atagtgaacc gggngggana catggtcanc ctctcccaat      530
```

<210> 3784
 <211> 586
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

```
<400> 3784
cgccgatggn ttgctctcta ttgtggnaac tcacgcgcga agcaacggnt ccatgtccga      60
gcaatacgac aagtctgatg gcgaacaact ttccgctcgc gaactgacct ggtcntatgc      120
tgctctgctg accgccaaca accgtcgtaa ctccgctcgt cctgcttctt ggggcgagac      180
ctctgccaac aacgtgcccg gcacctgtgc ggnacacatc gccattgggt acctacagca      240
atgtgactgt cacctcgtgg ccgagtatcg tggctactgg cggcaccact acgacggnta      300
ccccactggt gattcggcag cgtgacctcg aacaacaaga ccaacgcgac tgctaacaag      360
accagcanca gtacgtcatc aanctcctgt accactccca acgncgtggc tgtgactttc      420
gatctgacaa gctaccaaca actacggnga gaacatctan ctggctongat cgattttctca      480
actgggtgac tggggaaacc agcgacggna taactctgaa ttgctgacaa gtacacttca      540
gcgaccgcgt ctggtatgtc actgtgactc tgccngntgg ggaatc      586
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<210> 3785
 <211> 823
 <212> DNA
 <213> Aspergillus niger

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<400> 3785
gctctatacc agtgggacaa gcaggggtcg ttggaggtca cagatgtgtc gctggacttc      60
ttcaaggcac tgtacagcga tgctgctact ggcacctact cttcgtccag ttcgacttat      120
agtagcattg tagatgccgt gaagactttc gccgatggct tcgtctctat tgtggaaact      180
cacgcccga gcaacggctc catgtccgag caatacgaca agtctgatgg cgagcagctt      240
tccgctcgcy acctgacctg gtcttatgct gctctgctga ccgccaacaa ccgtcgtaac      300
tccgtcgtgc ctgcttcttg gggcgagacc tctgccagca gcgtgcccgg cacctgtgcy      360
gccacatctg ccattggtac ctacagcagt gtgactgtca cctcgtggcc gagtatcgtg      420
gctactggcg gcaccactac gacggctacc cccactggat ccggcagcgt gacctcgacc      480
agcaagacca ccgcgactgc tagcaagacc agcaccacga cccgctctgg tatgtcactg      540
tgactctgcc ggctgggtgag tcgttttgagt acaagtttat ccgcattgag agcgatgact      600
ccgtggagtg ggagagtgat cccaaccgag aatacaccgt tcctcaggcg tgcggaacgt      660
cgaccgcgac ggtgactgac acctggcggt agacaatcaa tccatttcgc tatagttaaa      720
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ggatggggat gagggcaatt gggtatatga tcatgtatgt agtgggtgtg cataatagta 780
gtgaaatgga agccaagtca tgtgattgta aaaaaaaaaa aaa 823

<210> 3786
<211> 614
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 3786
gggtgtggtg gttacgcgca gcgtgaccgc tacacttgcc agcgccctag cgcccgtccc 60
tttcgctttc ttcccttcct ttctcgccac gttgcgcggc tttcccgcgc aagctctaaa 120
tcgggggctc cctttagggt tccgatttag tgctttacgg cacctcgacc ccaaaaaact 180
tgattagggt gatggttcac gtagtgggcc atcgccctga tagacggttt ttcgcccttt 240
gacgttgagg tccacgttct ttaatagtgg actcttggtc caaactggaa caaactcaa 300
ccctatctcg gtctattctt ttgatttata agggattttg ccgatttcgg cctattgggt 360
aaaaaatgag ctgatttaac aaaaatttta acaaaattca gaagaactcg tcaagaaggc 420
gatagaaggc gatgcgctgc gaatcgggag cggcgatacc gtaaagcacg aggaagcggc 480
agcccattcg ccggcaagct cttcagcaat atcacgggta gccaacgcta tgtctgatag 540
ccggtccggc acaccagcc gggcacaagt cgatgaatnc agaaaaagcg ggcattttcc 600
accatgatat tcgg 614

<210> 3787
<211> 895
<212> DNA
<213> *Aspergillus niger*

<400> 3787
cgcgaaactc acggaccgct acaatggcct ccactgctac cactgtcccc accaaggagc 60
aggttctcgt ccccgagacc ctctgaaga agcgcaagag ccaggagcag gctcgcgctg 120
tcgcccgtga ggaggccgag aagaagaagg ccgccaacaa ggagaagcgc gccgttatct 180
tcaagcgtgc cgagtcctac gtcaaggagt accgcgatgc tgagcgcgag aagatccgcc 240
ttgcccgctg tgctcgcaag gagggtaact tctacgttgc tgacgagccc aagcttgtct 300
tcgttatccg tatcaagggt atcaacaaga tccctcccca gccccgcaag atcctccagc 360
tgctccgtct gctccagatc aacaacggta ccttcgtccg tcttaccaag gctaccagg 420
agatgttgac catcatcaac ccctacattg cctacggtta ccccaacctc aagtcggtcc 480
gtgagctcgt ctacaagcgc ggttacggaa aggtcgacaa gcagcgtggt cccctcamcg 540
acaaccagat cattgaggag aacctcggca agtacggcat tgtctgcatg gaggatctta 600
tccacgagat ctacaccgtt ggcccaact tcaagcaggc caacaacttc ctgtggccct 660
tcaagctctc caacccact ggtggcttcc acaccgcgaa gttcaagcac ttcacgagg 720
gtggtgacta cggtaaccgt gaggagaaca tcaacggcct catccgcaa gatgaactag 780
attcatcatc ggtgatggct tgtccgtacc gggttgttat gagctccgaa tttcctagtt 840
arcgggtact ggtctaaaat ctgggtacaa aaatttaaaa gcttcgtaca acctg 895

<210> 3788
<211> 640
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

<400> 3788
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gcccgtcgtc	ccgcgagatg	ttaccgctac	tgcaagaaca	agccctaccc	taagtcccgg	120
ttcaaccgtg	gtgttcccga	ccccaaagatc	cgtatcttcg	atctgggacg	taagaaggcc	180
aacgtcgatg	acttccctct	ttgcgttcac	ctcgtctcca	acgagtacga	gcagctgtcc	240
tccgaggccc	tccaagccgc	ccgtatctgt	gccaacaagt	acctcgtgaa	gatcgccggg	300
aaggaaggtt	tccacctccg	tgtccgtgtg	caccccttcc	acgtcattcg	tatcaacaag	360
atgttgtctt	gcgcgggtgc	cgatcgtctc	cagaccggta	tgctgtgtgc	cttcggtaag	420
ccccaaagta	ccgttgcccc	tgtgaacatt	ggccagatca	ttctgtccgt	ccgcacccgt	480
gacaccaacc	gtgctgctgc	catcgaagct	ctccgccgct	ccatgtacaa	agttccccgg	540
tcgccaaaag	atatcgtctc	caagaactgg	ggtttcactc	ccgtccgccg	cgaaggacta	600
mgctmagctc	cgccaaggag	ggcaagctca	ancaaggatg			640

<210> 3789

<211> 598

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(598)

<223> n = A,T,C or G

<400> 3789

cgcaactgag	agcctgagct	tcatccccag	catcattaca	cctcagcaat	gtcgttccga	60
tctctactcg	ccctgagcgg	cctcgtctgc	acagggttgg	caaatgtgat	ttccaagcgc	120
gcgaccttgg	attcatggtt	gagcaacgaa	gcgaccgtgg	ctcgtactgc	catcctgaat	180
aacatcgggg	cggacggtgc	ttgggtgtcg	ggcgcggaact	ctggcattgt	cgttgctagt	240
cccagcacgg	ataacccgga	ctacttctac	acctggactc	gcgactctgg	tctcgtcttc	300
aagaccctcg	tcgatctctt	ccgaaatgga	gataccagtc	tcctctccac	cattgagaac	360
tacatctncg	ccaggcaatt	gtccagggtg	tcagtaacct	ctctgggtgat	ctgtccagcg	420
gcgctngtct	cggatgaacca	aagttcaatg	tcgttaacct	ggctacactg	gtcttgggga	480
cggccgaacg	agatgggtccg	gttttgaaan	aactgggtttg	atcggtttcg	gcaatggctt	540
gttgaaatgg	ttcaccagca	ccgaacggaa	attgttggcc	cttggttagga	ccactggc	598

<210> 3790

<211> 581

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(581)

<223> n = A,T,C or G

<400> 3790

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catctccaag	ggagatgagg	tcctgtttga	ctcttcggca	tcaccactag	tttttcagtc	120
gcaatatgtg	aaccttcgca	cctggttgcc	cgatgatccc	tatgtgtatg	gtctcggaga	180
gcattctgac	cctatgcgct	tgccaacata	caattacacg	cggacccttt	ggaaccgcga	240
cgcgtatggc	actccaaaca	acaccaactt	gtacggtagt	catcctgtct	actatgatca	300
ccgtggaaaag	tccggaactt	atggagtctt	cctgctgaac	tctaattgga	tggacatcaa	360
gatcaaccaa	acgacagatg	gaaagcagta	cttgggaatac	aatcttctcg	gcggtgttct	420
ggactttctac	ttcttctacg	gagaagatcc	taagcaagcg	agcatggaat	actcaaagat	480
tgctcggctctt	ccggcaatgc	agagttactg	gactttcggc	ttncatcaat	gccgntatgg	540
ataccgcgat	gtgtatgaac	ttgccgaggt	gggctacaac	t		581

<210> 3791

<211> 592

<212> DNA

<213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 3791
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 atcacagatt gggacaactt gaccatgggc caagattggt gggaggggtga caccatcgta 120
 tctctgccag acctaaacac caccgaaact gccgtgagaa caatctggta tgactgggta 180
 gccgacctgg tatccaatta ttcagtcgac ggactccgca tcgacagtgt cctcgaagtc 240
 gaaccagact tcttcccggg ctaccaggaa gcagcagggt tctactgcgt cggcgaagtc 300
 gacaacggca accctgcctc gactgcccac accagaaggc cctggacggc gtcctcaact 360
 atccgatcta ctggcaactc ctctacgctt cgaatcttca gcggnagcat cagcaccttt 420
 acacatgaca aatccgcgga aggcgatggt tccatccgca ctattggaac ttatcgaaac 480
 acgacatccc gttngctcta acntcgatct tgaagccaaa acgtcttaag tcntttcttt 540
 cgacggatcc catggttacc ccgggaanaa cagacttata gggggaaggg gc 592

<210> 3792
 <211> 624
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 3792
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 cttaaagcaa catgtctcct cccgctgcta tcttcgagcc caccgtgggc cccactggca 120
 tcaagtccaa cgtggtgggc ccggaggccg ctcccgtcac tggctcgtcc cagacccagc 180
 tgcttgacca cttcgctggc aagtgggaca acttcaagtt cgctcccatc cgtgagagtc 240
 aggttttcgc tgctatgacc agacgctact tccaggatct ggacaagtac gctgagagtg 300
 acattgtcat tgtgggtgct ggttcctgcy gtttgagcac cgcgtatgtt ctggccaagg 360
 ctgcgccgga cctgaagatt gccattatcg angccaatgt ttccoctggt ggtggtgcct 420
 ggcttggtgg caactcttct ccgccatggt catgcgtcgt ccgcgccgang tcttcttgaa 480
 cgaactgggc gttccctacg aagaagacta gcgaacccca actacgttgt ggtcaaagca 540
 acgcctcgt gttcaactcg aacctgttgt ccaagggtct ctccctccca acgtcaagct 600
 cttcaacgcc aacaacgtgg aggg 624

<210> 3793
 <211> 622
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 3793
 gccaatTTta tccatcagtt cgttcancct ccttcgaaca taatccgaca agatgggtaa 60
 gggacagccc cgtgggttga acgcccggcg caagctcgcg accacccgtc gcgagaaccg 120
 ctggggccgat ctgcactaca agaagcgcct cctcggtaact gcctacaagt cctctccctt 180
 cggaggtgcc tcccacgcca agggatatcgt tcttgagaag gtcggtgttg aggccaagca 240
 gcccaactcc gctattcgca agtgtgtcaa ggtccagctc atcaagaacg gcaagaaggc 300
 taccgctttc gtccccaacg atggttgctt gaacttcata gatgagaacg acgaggtcct 360
 cctcgccggg ttccggtcgta agggcaaggc caagggtgat attcccgggtg tccgtttcaa 420
 ggtcgtcaag gtttcgggtg tcggtctgct cgctctctgg aaggagaaga aggagaagcc 480
 ccgctcttaa ataaccctaa ccctggggaa tttataaag atgctattaa cggggtggaa 540

nggggcccان tccatggaag aaacttcngg gcaaangcaa agcaaacaca agtctaاتgg 600
tctgggaatt gatgggtcaa ga 622

<210> 3794

<211> 891

<212> DNA

<213> *Aspergillus niger*

<400> 3794

caacgacacc	gtccgccacc	tacacgtatc	cctccctcgg	caacaggtgc	atacgtcgac	60
caaaatgtct	gaacacggcg	aagtcgaggt	cgaaaacccc	gctgcggcct	tccaggtcct	120
gcccaaggag	gctatcgcg	agatgggagc	cgtgaagctg	ttcaacaagt	ggagctacga	180
ggatgttgag	atcagggaca	tctccttgac	cgactacgtc	cagatccgct	cccctgtcta	240
ccttcctcac	tccgctggcc	gttatgcgc	caagcgtttc	cgcaaggctc	agtgccccat	300
catcgagcgc	ctgaccaact	ccctcatgat	gaacggccgc	aacaacggaa	agaagctcat	360
ggctgtccgc	atcgttgccc	acgccttcga	gatatccaca	tcatgaccga	ccagaaccct	420
ctccaggtcg	ccgttgacgc	cattgtcaac	tgcggtcctc	gcgaagacag	caccctgata	480
ggttccgctg	gtaccgtccg	tcgtcaggcc	gtcgatgtgt	ctcctctccg	ccgtgtcaac	540
caggctattg	ccctcctgac	catcggtgct	cgcgaggcct	ctttccgtaa	catcaagagc	600
attgctgagt	gcctggctga	agagctcatc	aacgccgcca	agggttcctc	caactcctat	660
gccatcaaga	agaaggacga	gctcgagcgt	gttgccaagt	ccaaccggta	aagtgggaat	720
tttgggcgta	ttctccgttt	ggtcctgggt	ttgcgtgtac	tggagtggac	gggggggtta	780
ttaggattca	gtcgatttgc	atgcatctgc	gcgactgtac	atacctgaaa	acagtcacgg	840
gagggagcga	gatacctaaa	atgagagaat	cggacggctt	tcttctacag	t	891

<210> 3795

<211> 661

<212> DNA

<213> *Aspergillus niger*

<400> 3795

cgaaggttta	ggaagacaag	tcttgtcgag	accttcatca	agatgcagat	cttcgtcaag	60
acccttacgg	gtaagactat	caccctcgag	gtggagtcct	cggacacccat	tgacaatgtc	120
aagtccaaga	tccaggacaa	ggagggtatc	cccccgacc	agcagcgtct	gatcttcgct	180
ggtaagcagc	tcgaggacgg	ccgtactctt	tcggactaca	acatccagaa	ggagtccacc	240
ctccacctgg	tgctccgcct	gcgtgggtgt	ggtaagaagc	gcaagaagaa	ggcttacacc	300
acccccaaaga	agatcaagca	caagcacaa	aagaccaagc	ttgccgtcct	caagtactac	360
aaggtcgacg	gtgatggcaa	gattgagcgt	cttcgcgcgc	agtgcacctc	ccccgagtgc	420
ggtgctggta	tcttcatggc	cgctatgcac	aaccgccagt	actgcggaaa	gtgccacctc	480
acctacgtct	tcgacgagtc	caaataagtg	gacttttgccg	atcggttcgc	catgtcttct	540
ttccggtagc	gcctarcaat	gtcggtcgtg	aatgtgtggt	ggatgaggtt	gggacgtgtg	600
cgctttgatc	gtcccatagt	gaccaarcaa	tgagaaacga	aaaaaattcg	aaaccgctct	660
c						661

<210> 3796

<211> 605

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(605)

<223> n = A,T,C or G

<400> 3796

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ctcacggatc	gatttgcaag	gacggatggg	tcgacgactg	cgacttgtaa	tactgccgat	120
cagaaatact	gtgggtggaac	atggcagggc	atcatcgaca	agttggacta	tatccaggga	180
atgggcttca	cagccatctg	gatcaccccc	gttacagccc	agctgcccc	gaccaccgca	240
tatggagatg	cctaccatgg	ctactggcag	caggatatat	actctctgaa	cgaaaactac	300

ggcactgcag	atgacttgaa	gcgctctctt	cggccttcat	gagaggggga	tgtatcttat	360
ggtcgatgtg	gttgctacca	tatggctatg	atggagcggg	tagctagtcg	attacagtgg	420
gttaaccgtc	agttccaaga	tacttcaccc	gtctgtttca	tcaaactnta	agatcagact	480
aagttgagga	tgctgctagg	anatacatgc	ttcttgccctg	actcgatccn	ccaggttngg	540
caaaataatg	nncaatggtg	gacatgggat	gactatcatt	gcggtccgn	ttgacnagaa	600
accct						605

<210> 3797

<211> 605

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(605)

<223> n = A,T,C or G

<400> 3797

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tacaaagtca	cggaaagtga	agacaagtc	accgacaagt	atctaattgc	tacttcagag	120
caaccacttt	cagccttgca	tgacggagag	tggctgcaag	ataaagatct	cccaatcaag	180
tacgctggat	atagcacttg	ctaccggaaa	gaggcaggtg	ctcatggtaa	ggatgcatgg	240
ggcatctttc	gtgtccatca	gttcgagaag	atcgaacaat	ttgtcctcac	gaaaccggaa	300
gactcgtggc	aagcttttga	cgaaatgatg	gccacttcgg	aagaattcta	ccggtctctt	360
ggcctaccgt	accaggttgt	cgctattggt	tcgggagcat	tgaacaatgc	cgcacgaag	420
aagtatgacc	tcgangcgtg	gttccatttc	aaggagagta	taaggaataa	tatcctgctt	480
caactgtccc	gatatcaatc	cagagcccta	gaaatcgcta	tgcacgaaaa	aggttctgat	540
gtgaanaatc	tacgttatgc	cctgatgcga	ctttgnggca	ancgacgtca	tttgtgggnc	600
ttgaa						605

<210> 3798

<211> 750

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 3798

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cggcatcggt	gagggctca	tgaccaccgt	ccactcctac	accgctaccc	agaaggctcg	120
cgatgcccc	tccagcaagg	actggcgtgg	tggccgtact	gcggcccaga	acatcatccc	180
ctcttccacc	ggtgctgcca	aggctgtcgg	caaggctatc	cctaccctta	acggcaagct	240
caccgggatg	gccatgcgtg	tccccacctc	caacgtctcc	gttgctcgact	tgacctgccg	300
cctcgagaag	gccaccagct	acgacgagat	naagaaggcc	ctcaaggacg	cttccgagaa	360
cgagctcaag	ggcatcctcg	gctacactga	ggacgacatc	gtctcctccg	acctgaacgg	420
tgacgaccac	tcctccatct	tcgatgccaa	ggccggtatc	gcccttaact	ccaacttcgt	480
caagctcgtc	tcctggtacg	acaacgagtg	gggttactcc	cgcggtgtcg	tcgacctcat	540
tgcctacatc	tccaagggtg	atgccarta	ggaatcagga	cggcaaactg	aattcagaag	600
tgtgctgtga	gtgagactga	ttgccgagcg	cagacgactc	tcgtggaacc	cggcttgtgg	660
agaagcttga	gaaggcttta	actcctagcg	taaaagctca	tgatgacgta	caatttaatg	720
aaatgatata	atgttcatat	ttccaaaaaa				750

<210> 3799

<211> 612

<212> DNA

<213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 3799
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 tgctgtctact ggcacctact cttcgtccag ttcgacttat agtagcattg tagatgccgt 120
 gaagactttc gccgatggct tcgtctctat tgtggaaact cacgccgcaa gcaacggctc 180
 catgtccgag caatacgaca agtctgatgg cgagcagctt tccgctcgcg acctgacctg 240
 gtcttatgct gctctgctga ccgccaacaa ccgtcgtaac tccgctcgtgc ctgcttcttg 300
 gggcgagacc tctgccagca gcgtgcccgg aactgtgcgg ccacatctgc cattggtacc 360
 tacagcagtg tgactgtcac ctcggtggccg agtatcgtgg tactggcgga aactacgac 420
 ggtacccacac tggattcgga gcgtgactcg acancaagac accgcgactg ctacaagaca 480
 gcacagtacg tcacaactct gtacatccca ccgctgggtg tgctttcatt gacagtacac 540
 aactacggca aaaatcactg tcgnttattc caactggtac tggaacaac gaggatacnc 600
 tatgctgnaa ta 612

<210> 3800
 <211> 839
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(839)
 <223> n = A,T,C or G

<400> 3800
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 gtagccgacc tggatatcaa ttattcagtc gacggactcc gcatcgacag tgtcctcgaa 120
 gtcgaaccag acttcttccc gggctaccag gaagcagcag gtgtctactt cgtccagttc 180
 gacttatagt agcattgtag atgccgtgaa gactttcgcc gatggcttcg tctctattgt 240
 ggaaactcac gccgcaagca acggctccat gtccgagcaa tacgacaagt ctgatggcga 300
 gcagctttcc gctcgcgacc tgacctgggtc ttatgctgct ctgctgaccg ccaacaaccg 360
 tcgtaactcc gtcgtgcctg cttcttgggg cgagacctct gccagcagcg tgcccggcac 420
 ctgtgcggcc acatctgcc a ttggtacct cagcagtggt actgtcacct cgtggccgag 480
 tatcgtggct actggcgcca ccactacgac ggctaccccc actggatccg gcagcgtgac 540
 ctygacmagc aagaccaccg cgactgctag caagaccagc accagtacgt catcaacctc 600
 tgtaccactc caccggcgtg gctgtgactt tcgatctgac agctacaaca actacgngga 660
 gacatntact ggnncgatcg actttactgg gtgatgggaa ccagcgacgg atactttgat 720
 gttgcaagta cattcaggac ccgtttggat gcatgnactt gccgtgngat cgttgatcag 780
 ttatcgatga agcatnctcg gatggaaggc ccaccgaatc ccgtctagn ggcagctan 839

<210> 3801
 <211> 618
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 3801
 gctgcccttg gccaccgcgc agacctacac agactgtgac cctctcaaca agacctgccc 60
 tgctgatacg gctttgagct ccaccacctt caccactgat ttcaccactg gctctttcag 120
 tggctggatt gctaccgcca acaatgtcac ctttaccgat gagggtgcca acttcgctcat 180
 cagcgagaag ggtgaagctc ccaccattga gaccgatttc tacttctttt tcggcaaggc 240
 cgaggttgctc atgaaggccg ccagtgggtac cggtatctgc agcagtggtg tcctggagtc 300

ggatgatctc	gacgagattg	actgggaagc	tcttggtggt	gacaccactc	agattgagac	360
caactacttc	ggcaaggggtg	acacatcctc	ctacgaccgt	gctacctggg	caaccgtgtc	420
gacccccag	gagaccttca	cacttacacc	gttgagtgga	ctgaatccgc	cactacctgg	480
agcatcgacg	gcaactgttg	gcgcaccctt	gcctacagcg	atgcccana	cggtacttcg	540
ctaccccaga	cttccatgcg	cttgaacttg	gtatctgggc	tgctggtgac	ttctntgagc	600
ccganggtac	catcgaan					618

<210> 3802

<211> 612

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 3802

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aagcgtgctg	ctcccatgaa	gcagtggctc	gagatggaaa	tcggtatcac	cggtggtgag	120
gaggatggtg	tcaacaacga	ggatgttgac	aacaactccc	tgtacactca	gcccaggagc	180
atcctggcca	tccacaacgc	cctcgccccc	atcagccccc	acttctccat	tgccgctggt	240
ttcggtaatg	ttcacggtgt	ctacaagccc	ggcaacgtcc	gtctccaccc	cgagctcctc	300
cagaagcacc	aggcctacgt	caaggagaag	accggtcctt	cctctgacaa	gcctgtcttc	360
tttgtcttcc	acggtggctc	tggtctcttc	aaggaggagt	acaaggaggc	tatcagctac	420
ggtgttggtca	aggtcaacct	tgacaccgac	atgcagttcg	cctacatgtc	cggtatccgt	480
gactacatgc	tcaacaagaa	ggactacctt	ctgaccgctg	tcggtaaccc	cgacggtgag	540
gacaaagccc	aacaagaagt	tcttcgaccc	ccgcgtcttg	ggttcgtgan	ggtgagaaga	600
ccatgaccaa	ct					612

<210> 3803

<211> 324

<212> DNA

<213> *Aspergillus niger*

<400> 3803

gttgaacaag	taggcatcaa	ctgggcttat	agctttgtta	aacgccacga	atccctacga	60
actcgatttg	ctagacgact	caactatcaa	agagctaaaa	tgaggatcc	tgaagttata	120
aaagactggg	tcaaacgcgt	acaggaagtt	attcaagagt	acgggatctc	atcagatgat	180
atatacaatt	tcgatgaaac	agggtttgct	atgggaatga	ttgctacata	taaagtagta	240
actagttccc	agagggcagg	tcggccgtcc	ctagttcaac	caggaatcg	ggaatgggtc	300
actgcaattg	agtgtattcg	ctct				324

<210> 3804

<211> 651

<212> DNA

<213> *Aspergillus niger*

<400> 3804

atcgctccct	cgcttttctga	gtcccgttcg	gaaagcgacc	ttgagaggaa	caccgcaaaa	60
atggctgacg	agcactacaa	cgccgaggag	gctgcccaga	tcaagaagag	aagacagttc	120
cgcaagttca	cctaccgcgg	tattgacctc	gaccagctcc	ttgacctctc	ctccgaacag	180
ctccgtgatg	tcgttcacgc	ccgcgctcgt	cgctcgcttca	accgcggtct	gaagcgcaag	240
cccatgggtc	tcatcaagaa	gctccgcaag	gccaagcagg	aggctcgccc	caacgagaag	300
cccgacctcg	tcaagaccca	cctccgtgac	atgatcgttg	tccccgagat	gatcggcagc	360
gtcatcggtg	tctactccgg	taaggagttc	aaccagatcg	aagtcaagcc	cgagatgggt	420
ggccactacc	tgggtgaatt	ctctatctcc	tacaagcccc	tcaagcacgg	tcgtcccggg	480
atcggtgcca	cccactcttc	ccgtttcatt	ccctcaagtw	aagaagaaaa	gcttttagtg	540
atggagtgtc	gtcgtgtgga	ggaggaactc	cgggcgtagc	gaatgttgct	ggggaagatc	600
tctagggata	aagggaaaaa	aaatcaaaaa	ctgggttggg	taccatatgg	g	651

<210> 3805
 <211> 632
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 3805
 cccaatctta gcattttgag acagtcgcca tgggtcgcgt gatccgcaac cagaggaagg 60
 gtcgtggatc catttttcacg gcaaacaccc gtctcaacaa ggctcctgcc cagttccgca 120
 cctcgcacta cgccgagcgt catggatata ctctggtgt cgtgaaggag atcatccacg 180
 accccggccg tgggtgctccc ctgcgcaagg tccagttccg tcacccctac aagttcaaga 240
 ccatcaccga gaccttcacg gccaacgagg gcatgtacac cgggtcaattc gtctacgccg 300
 gaaagaacgc cgctgactg tcggaaacgt ccttccccctc gcctccgtcc ctgagggtac 360
 cgttgtgacc aacgtcgagg agaaggctgg tgaccgtggg gctcttggtc gtacctccgg 420
 taactacgtt accgtcatcg gcacaacccc gaggagggca agaccctgtt caagcttcct 480
 ccggtgccaa gaaggtcgtc aagaacaccg cccgtggtat gatcgggtat gtcgctgggtg 540
 gtggtcgtac cgacaagcct ttgctgaang cttctngngc caagcacaag ttcgntgtca 600
 aagcgcaact nttgggcaaa gacccgtggg gg 632

<210> 3806
 <211> 588
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

<400> 3806
 aattaaacca catcacacac cctccctcca aaatggccac caacatcacc taccacgccca 60
 gcgcctcac ccgcaccgag cgacgagacc tgcgctccca gcgcgggtctc acaatctggc 120
 tgacgggtct ctccgcctcg ggcaagtcca cattggccgt tgaactcgag caccaactcc 180
 tccgcgaccg cggcgtgcac gcctaccgtc tggacgggtga caacatccgc ttcggactca 240
 acaaggacct tggcttcagc gaagccgacc gcaacgagaa catccgccgc attgccgaag 300
 tggccaagct gttegtgat tctcccgcca tcgccattac ttccttcac tccccctacc 360
 gcaaggaccg cgacaccgct agacagctgc acgaggtgac cagccccgga gaggagactg 420
 gtctgccgtt cgtcgagggt tatgttgatg tgcccgggtg aggtggcgga gcagcgtgat 480
 cccaagggat tgtacaagaa ggctagggaa ggggtgtgatt aaaggagttc acgggtatta 540
 gtgccccctg atgaagcgcc gttgaagccc gangtttaac atcaagna 588

<210> 3807
 <211> 691
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(691)
 <223> n = A,T,C or G

<400> 3807
 attctgggaa acaaccaaag ggctttcttt tgatatccca agttacgccc cccgttgggg 60
 ctccaagcgc ccccaaagac ggggccgtgt cgtcttcaac ctcttcgaga aggacgtccc 120
 caagactgct aagaacttcc gtgagctctg caagcttccc cagggtcagg gttacaaggg 180

catcggtttt	tatgatacgg	ataaattggg	cataccttag	ggtcaccatc	ttccatggtg	480
ccttgcgta	ttcttttacc	taggaatcaa	ttcaataatc	atattccacc	tgataaaaaa	540
aaaa						544

<210> 3811
 <211> 642
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(642)
 <223> n = A,T,C or G

<400> 3811						
cccaacgccc	ccgcggtacc	cgctgacaaa	atgcctgccc	agaagtccgg	aaagaagact	60
gccccctcc	cttaccacca	gggtaaggct	ggcgctaaga	aggctcccaa	gaaccctctc	120
atcgagaagc	gcccccgcaa	cttcggcatt	ggccaggaca	tccagcccaa	gcgcaacctc	180
ggtcgcttcg	tcaagtggcc	cgagtatgtc	cgtctgcagc	gccagaagaa	gatcttgaac	240
ctccgtctca	aggtccctcc	ttccattgct	cagttccaga	acaccctgga	ccgcaacacc	300
gctgcccaga	ccttcaagtt	cctcaacaag	taccgccccg	agaccaagg	cgagaagaag	360
gagcgtctcc	acgccgaggc	caccgcccgtc	gctgagggca	agaagaagga	ggatgtctcc	420
aagaagccct	acaacgtcaa	gtacgggtctc	aaccacgttg	tcggctcgtc	gagaacaaga	480
aggcttccct	cgctctgatt	gctcacgacg	ttgaccccat	tgagctgggt	gtcttccttc	540
cgctctttgc	cgcaagatgg	gtgtccctta	cgctaattgt	taagggcaag	gctcgtctcg	600
gtaccgttgt	ccacaagaag	acctccgctg	tcctcgtctc	na		642

<210> 3812
 <211> 713
 <212> DNA
 <213> *Aspergillus niger*

<400> 3812						
ctcggctctg	cctctgccgt	cggtgctaag	gccaccgtcc	aggacttctc	gggtcaacatg	60
tccgcctccg	ccgatgtcct	cgcccaggct	aagggttgaga	ttggccttgg	tgccatccct	120
gagggcaaga	acgttatcat	caagtggcgt	ggtaagcccg	tcttcatccg	tcaccgcacc	180
caggacgaga	tccaggaggc	ccagaagacc	gagtggcagt	ccctccgtga	cccccaggcc	240
gacgaggacc	gtgtccagaa	gcccagatgg	cttgtcatgc	ttggtgtctg	cactcacctt	300
ggttgtgtcc	ccatcggtga	atccggcgac	tatggcggct	ggttctgccc	ctgccacggt	360
tcgcactacg	acatctccgg	ccgtataaga	aaggggacccg	ctccccctcaa	cctcgagggt	420
ccccaataca	acttccccctc	cgaggacacc	ctcgtcatcg	gttaaaccgat	ttagaattga	480
ttcgatctga	gaccgcggga	atcgggcat	ggccgtaaga	rcagaagtag	aagtcggaga	540
aggggaaggg	agagagaaag	agagagagag	aagggttgta	tttgtgcatt	agacgaaagc	600
cttcctctct	cgctttctac	tctatgtgtg	tctttttgtc	aagattaaag	agaccttgtg	660
tttttaatat	ggaccctgga	aaaatgagcc	tcttgttcta	ttaaaaaaaa	aaa	713

<210> 3813
 <211> 624
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 3813						
ggtgcctcca	gagagttcta	caaggccgac	gtcaagaagt	acgaccttga	cttcaagaac	60
cccagagcgc	actcctccaa	gtggctcacc	tacgagcagc	tgcccgacct	ctacaagtcc	120
cttgccagca	agtaccccat	tgtagcatt	gaggaccctc	tcgctgagga	cgactgggag	180

gcctggagct	acttctacaa	gacctctgac	ttccagattg	ttggtgatga	cttgactgtc	240
accaaccccc	tgcgtatcaa	gaaggccatc	gagctcaagt	cctgcaacgc	tctcctgctc	300
aaggtcaacc	agatcggtag	cttgaccgag	tccatccagg	ctgcaaggac	tcctacgctg	360
acaactgggg	tgtcatgggt	ttccaccggt	ccgtgagacc	gangatgtnc	cattgncgac	420
attgctgncg	tcttcgntct	ggcagatcaa	gaccgggtgt	ctgnccgttc	cgagcgtntg	480
gttaacttac	cagatcctcc	tattgaggag	gacttggtga	cacgccnttt	acnccggnaa	540
aagttccnac	cgccggtact	tggaaatgca	ncatttcccg	ttaaggggacc	atgaaggcct	600
aanggnctta	ttgcnttcaa	gaat				624

<210> 3814

<211> 857

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(857)

<223> n = A,T,C or G

<400> 3814

agtgggaagg	acctcccgca	tcttctacaa	ggctgtccgc	ggcatgatcc	cccacaagac	60
cgcccggtgt	gcccgcgcta	tggagcgcct	gaagggtttc	gaggggtgtc	ctcccccta	120
cgacaagaag	aagcgcggtg	tcgttcccca	ggctctgctg	gttctccgcc	tgcgccccgg	180
ccgcaagtac	tgcaccgttg	gtcgtctcag	ccacgaggtt	ggctggaagt	accaggacgt	240
tgttgccaga	cttgaggagc	gcagaaaagg	taagagcagt	gcatactacg	agcgcaagaa	300
ggccgctcgc	cgccaactcg	tccacgcccc	gaagtcggcg	gggtgttaacg	agcagaccaa	360
gagccagctc	gctcagtacg	gatactagat	acctagtgtg	gcggctgggt	gcttgtgttt	420
gtgatgggat	gggatgggat	cgcgaaaacg	ttctctgcga	agaaaatgga	cagcaagccg	480
atcgaccttt	ctctcactgt	ccctamcttt	tcataaaata	ccacaattct	tacgttgtga	540
cgcacatgga	ggctggagag	atcgattctt	tctaaaaaaa	aaatacagga	gtcacttggg	600
atgaaagggt	gtcaaaaatag	ctgacccggt	atttcgcgcc	gtggcggtta	atccaagaat	660
ttcttttcaa	gagttcaaat	gactttgctg	tgacgaatcc	gatgcaccat	taccaccggt	720
ttactctact	actggccctt	gcaatttttg	gnatttttag	gccccggaca	cgganagaga	780
gacagagtcc	tgctatcttn	gacttgattg	caatttgcan	tnccaggatt	nccgacaggg	840
tcttgtgtgc	actaaaa					857

<210> 3815

<211> 684

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(684)

<223> n = A,T,C or G

<400> 3815

gggatttctg	ccagatgttt	gtacgaatng	ctccaattac	aagtggggac	aaagcaaggg	60
gtcgttttga	nggtcaacaa	gatgttggtc	gcttggtact	cttcaagggc	actgttacaa	120
gcgaatgctg	ctactggcac	ctactcttcg	tccaagttcg	acttatagta	gcattgtaga	180
tgccgtgaag	acttttcgcc	atggcttcgt	ctctattgtg	gaaactcacg	ccgcaagcaa	240
cggctccatg	tccgagcaat	acgacaagtc	tgatggcgag	cagctttccg	ctcgcgacct	300
gacctgggtc	tatgctgtct	tgctgaccgc	caacaaccgt	cgtaactccg	tcgtgcctgc	360
ttcttggggc	gagacctctg	ccagcagcgt	gcccggcacc	tgtgcgggca	catctgccat	420
tgggtacctt	cagcagtgtg	actgtcacct	cgtggccgag	tatcgtggct	actggcgggc	480
ccactaacga	cgggtacccc	ccactnggat	tcggcagcgt	gacctccgac	caagcaaaga	540
ccaccgcgac	tgctaacaat	gaacaagcaa	ccaagttagc	tcatacaaacc	tcctgtacca	600
actcccaacc	ggccgttggc	tggtgacttt	cngattntga	caagctacca	acaacctanc	660
gggggaggaa	caatctacct	gggt				684

<210> 3816
 <211> 545
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

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<400> 3816
ctccgaagta cgatgagctc gcagctctct atgctgacca ccccgatttg gcggtctaagg      60
tcaccatcgc taagatcgat ggcagcgcca acgatgttcc ggacccgatt accggattcc      120
ctaccctcag actctacccg gccggtgccca aggactcccc cattgagtag tctggctcgc      180
gcaactgtcga ggatcttgcc aactttgtga aggagaatgg caaacacaaac gttgacgccc      240
tcaatgtcgc ttccgaggaa acacaggagg gtggtgatgt gactgaggct gtccctncgc      300
tacggangcc gagaccccgg ctgncacaga tgacgagaag gcagaacatg acgaactgta      360
aacagtcctc caattgagat ccccttaatg ctgtgccgta tcaatactaa ttatttggaa      420
cttcgttctc tatggtaact tttgnaatct tngaccanct gtgttggttg aattactaaa      480
ttggaccagt tctatttggc naacaatnga tganttttaa ttgtcncgct gtctaaaaaa      540
aaata                                           545
```

<210> 3817
 <211> 586
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 3817
ttttttttta tgaatccttt tcatttttag aatgttctta ggtcatacta aaaaaaaaaa      60
ccggtaccac cccctttgtt ctagaagccc ttggtatcgc tttttttttt tctcttcttg      120
ctccaaattc caggtttaac acattttaca tgacaacacc ggagttggag gcaatacgag      180
gccaaagctc agcagcctcc ttaccaacgg gaccagtgat agcggaaccc ttcattctac      240
ccttggcggt gacgataaca ccagcggtgt cctcgaagta gaggtagata ccgtcggggc      300
gtctccaggg cttgctctga cggacaacaa cagcgggcat gaccttctta cggagctcag      360
gttttccctt cttgacggtg gccatgacca tgtcacccag accggcagcg gggagacggt      420
tcaggcgagc accgataccc ttgacggaga tgatgtacag gttgcgggca cgggagttgt      480
cgcagcagtt gagcacggcg ccgcaaggca gaccgagggt catcttgagc ttgttgccgg      540
aggcaccacc gcgtcctctc gcagacatct tggctgtgta tctagg                                           586
```

<210> 3818
 <211> 586
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

```
<400> 3818
ggtactgkca smtgtggccg agtatcgtgg ctactggcgg caccactacg acggctaccc      60
ccactggatc cggcagcggt acctcgacca gcaagaccac cgcgactgct agcaagacca      120
gcaccagtag gtcattcaacc tcctgtacca ctcccaccgc cgtggctgtg actttcgatc      180
tgacagctac caccacctac ggcgagaaca tctacctggt cggatcgatc tctcagctgg      240
gtgactggga aaccagcgac ggcataagctc tgagtgtgta caagtacact tccagcgacc      300
cgctctggta tgtcactgtg actctgccgg ctggtgagtc gtttgagtac aagtttatcc      360
gcattgagag cgatgactcc gtggagtggg agagtgatcc caaccgagaa tacaccgttc      420
ttaagcgtgc sgaacgtcga ccgcgacggg gactgacacn kgcggtagac aatcaatcat      480
ttcgctatag ttaaaggatg gggatgaggc aattggtwta tgacatgtat gnagtgggtg      540
gcataatagt artgaaatgg aagccaagta tgtgaaaaaa aaaaaa                                           586
```

<210> 3819
 <211> 437
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 3819
 tggttactcc gtcttctgtg gtgtcgggtga gcgtactcgt gagggtaacg atctgtacca 60
 cgaaatgcag gagactgggtg tcatccagct cgagggtgac tccaagggtcg ccctgggtgtt 120
 cggtcagatg aacgagcccc cgggtgcccc tgcccgtgtc gcccttaccg gtctgaccat 180
 tgccgagtac ttccgtgacg aggaggggtca ggacgtgctg ctcttcattg acaacatttt 240
 ccgtttcacc caggccgggtt ctgaggtgtc tgcccttctgg gtcgtatccc ctctgccgcg 300
 gttaccaagc cactctggcc gtcgacatgg gtgggtatgca ngaaccgtat taccaccacc 360
 accaagggtt cattacctcc gtncaagccg tctacgtncg tgctgacgat ttgactgacc 420
 ttgccccggc aacactt 437

<210> 3820
 <211> 715
 <212> DNA
 <213> *Aspergillus niger*

<400> 3820
 caagggtcgc ttcaccgtcc accgtatcca ggctgaggag gccgagtaca agctctgcaa 60
 ggtcaagcgt gttcagctcg gcaagggcgg gatcccatc ttgggttacgc acgatgcgag 120
 aaccatccgt taccgacgacc ccgccatcaa ggtcaacgac accgtgaaga tgcacattgc 180
 cactggcaag atcgccgact tcgtcaagtt cgacactggg gttgtcgcca tggccaccgg 240
 tggtcgtaac atgggtcgtg tcggtgtcgt taccacaccg gagcgccacg atggtgggtt 300
 caacatcgtc cacatcaagg acgctattga caacaccttc gccaccggtg agtccaacgt 360
 ctctgctcgc ggtcaggaca agccctggat ctccctgccc aagggaagg gtgtcaagct 420
 ctccatcgct gaggagcgtg accgcccgg tgccctccag tagatgtggc atggtaagtg 480
 atgtaggctg ccggaataat aaaagcgttg caaaattccg ctgtggcgat gacatcttgt 540
 cttgctttgt ggacctgtat gacgcccgtt acgataatta tatgaagcgt tatccagaac 600
 aaaaaaagaa agaattgtct acaggacaca aagttacacc tgttactgta ccgtagactt 660
 gtacactaaa gcaagggtcaa gatgccaaagt ctgtctacct atgataaaaa aaaaa 715

<210> 3821
 <211> 593
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 3821
 aggcaccgca agactcatct cttcgatatc gacatccccg gcaagatcac cttcaaagag 60
 agcgagggtc tgtccccctg taaccagttg actgtcgtcg atctgccgga ctatgggaaa 120
 atcggaactg ctatctgcta cgatatccgc ttcccggagg ccggcatgat tgcggctcgg 180
 aagggcgcct tcatgtcgtg gtacccgggc gcattcaaca ccaccacggg tccgctgcac 240
 tggtcgctgt tggctcgtgc tcgcgccgtt gataaccagg tgtatgtggc cttgtgcagt 300
 cccgctcgag acatgagcgc ctctgaccac gcctatggtc acagtttggg tgcggatccg 360
 agcgcaaatg tgttggtgta gacngaggag aaggaagaca ttatctacgc ggatctggat 420
 aacgagacga tccanacacg aggaanggta ttccattac acgcacggcg gttcgattgt 480
 actcggacgt gatgccacac gcaaatagcc ctgantttgc attgagtcgc tgaatatatt 540

cttgcaacca gtattnccta natgggattg acgatnntga cctaaaaaaa aat

593

<210> 3822

<211> 621

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(621)

<223> n = A,T,C or G

<400> 3822

tcgaaacatt	tcaattgccc	ttaaacaacc	tatcttcagc	gaattaagga	gacatggggg	60
gcaagtctgc	taccaaggcc	gcttacttcg	agaagctcaa	ggcccttctc	gatgagtaca	120
agacggtctt	cattgtcggg	gtcgacaatg	tcagctctca	gcagatgcac	gagattcgtc	180
tgagtctccg	tggcgagggg	gtcgtcctga	tgggtaagaa	caccatgggt	cgccgtgcca	240
tcaagggctt	cgtcaacgac	aaccccgagt	acgagcgtct	gctccccttc	gttaagggta	300
acgttggttt	catcttcacc	aacggtgacc	tcaaggccac	caaggagaag	atcctggcca	360
accgtgtcgc	tgctcccgct	cgtgccgggt	ccatcgctcc	tggcgatgtc	tgggtccccg	420
ccggtaacac	cggatatgaa	cccggtaaga	nccttttctt	ccaagctcct	ggtgtcccca	480
acaaagantg	ctcgtggtaa	caattgaaat	taccaacgan	ctcaanctct	tgangctgga	540
agcaaggctg	gtccctccga	aggcacctgc	tcaacatgct	gaacatctct	ccntcaact	600
aanggtatga	ccatcaacaa	g				621

<210> 3823

<211> 587

<212> DNA

<213> *Aspergillus niger*

<400> 3823

caacaaaccg	ccaaaatggg	tcgcgtccgt	accaagacag	tcaagcgttc	cgctaaggtc	60
gttatcgagc	gttactaccc	caagttgacg	ctcgacttcg	agaccaacaa	gcgtatctgc	120
gatgagatcg	ctatcattgc	ctccaagcgt	ctccgcaaca	agatcgctgg	ttacaccacc	180
caccttatga	agcgtatcca	gcgtggccct	gtccgcggta	tctccttcaa	gctccaggag	240
gaggagcgtg	agcgcaagga	tcagtacgtt	cctgagggtc	ccgctctgga	tgtttcccag	300
accgagtccg	gccagctcga	cgtcgactct	gagaccaagg	acctgctcaa	gagcatgggc	360
ttcgacaacc	tcaaggkcaa	cgtcatcccc	gkctcccagc	agcaggctca	ggagcgcccc	420
cgscgstacc	ggtagatcat	tgcccgkctg	aacggaaaat	gaaaaagtct	tgattgcttc	480
ggkcgatcca	tggcgktccc	catgcttggt	ctggktggct	cacccgstat	cgatttagct	540
tagagacagc	tcggatgaga	aatgaacacg	aattctgkca	aacaaaa		587

<210> 3824

<211> 615

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 3824

cagtgggggt	agccgtcgta	gtgggtgccgc	cagtagccac	gatactcggc	cacgaggtga	60
cagtcacact	gctgtaggta	ccaatggcag	cgtgacctcg	accagcaaga	ccaccgcgac	120
tgctagcaag	accagcacca	gtacgtcatc	aacctcctgt	accactccca	ccgccgtggc	180
tgtgactttc	gatctgacag	ctaccaccac	ctacggcgag	aacatctacc	tggtcggatc	240
gatctctcag	ctgggtgact	gggaaaccag	cgacggcata	gctctgagt	ctgacaagta	300
cacttccagc	gaccgcctct	ggtatgtcac	tgtgactctg	ccggctgggt	agtcgtttga	360
gtacaagttt	atccgcattg	agagcgatga	ctccgtggag	tgggagagtg	atcccaaccg	420

agaatacacc	gttcctcagg	cgtgcggaac	gtcgcaccgcg	acggtgactg	acacctgcgg	480
tagacaatca	atccatttcg	ctatagttaa	aggatgggga	tgagggcaat	tggttatatg	540
atcatgtatg	tagtgggtgt	gcataatagt	aagtgaaatg	ggagcccaag	tcatgtgaat	600
gnaatcgaaa	aaaaa					615

<210> 3825
 <211> 641
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 3825						
gccccatgaag	ggatgctta	ccggcccat	cacctgcttg	cgctgggtctt	tccctcgtga	60
tgatgtccac	caagtccgtc	caggctcaac	agctcgtct	cgctctgcgt	gacgagggtg	120
ttgacctcga	ggctgctggc	atcaagggtca	tccagggtcga	cgaagcccg	tcttcgtgag	180
ggctctcccc	tccgtgctgg	caaggagcgt	gaggagtact	caagtggg	gtccgtgcct	240
tccgcctggc	caactctggg	tgtcaccgac	ggctactcaga	ttcactctca	cttctgttac	300
tctgagttcc	aggacttctt	ccacgccatc	gctgcgctgg	atgccgatgt	tctgagcatt	360
gagaacaaca	agtcggatgc	caagctgctc	aagggtentca	tcgacgaagg	cctaaccccg	420
tcacattgga	cctgggtgtct	acgacatcca	ntctccccgt	gttccaacca	acaagagatn	480
aaggaccgcg	tccaggagat	gcttcagtac	tccgccttga	ncaactttgg	ataaaccccg	540
actgtgggtc	tgaanacccg	tcaattggcc	caaaacaaag	gttgcctgac	aaaaatggtc	600
aacgctgcca	aanttcttcc	gtnaanaagc	acgggaaact	a		641

<210> 3826
 <211> 611
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 3826						
gcaacggctc	catgtccgag	caatacgaca	agtctgatgg	cgagcagctt	tccgctcgcg	60
acctgacctg	gtcttatgct	gctctgctga	ccgccaacaa	ccgtcgtaac	tccgctcgtgc	120
ctgcttcttg	gggcgagacc	tctgccagca	gcgtgccccg	caacctgtgcg	gcacatctgc	180
cattgggtacc	tacagcagtg	tgactgtcgc	ctcgtggccg	agtatcgtgg	ctactggcgg	240
caccactacg	acggctaccc	ccactggatc	cggcagcgtg	acctcgacca	gcaagaccac	300
cgcgactgct	agcaagacca	gcaccagtac	gtcatcaacc	tnctgtacca	ctcccaccgg	360
cgtggctgtg	actttcgatc	tgacagttcc	accacctacg	gcgagacatc	tacctggcgg	420
atcgatctct	aactgggtga	ctgggaaacc	agcgacggna	tactntgatg	ctgcaagtca	480
cttcaggacc	cgtctggatg	tactgggatn	tgccgtgtga	atcnttgatn	caagttntcc	540
gattgaagca	tnctcgggaa	tgganagtgt	ccaaccngat	anccgtctta	gggtgcggan	600
gtnacggaag	g					611

<210> 3827
 <211> 582
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

```

<400> 3827
ngtantggtg cccgacagtat ccacgatact cggncacgag gtgacagtca cactgctgta      60
ngtaccaatg gcagatgtgg ccgcacangt gccgggcacg ctgctggcaa gaccagcacc      120
agtacgtcat caacctcctg taccactccc accgccgtgg ctgtgacttt cgatctgaca      180
gctaccacca cctacggcga gaacatctac ctggtcggat cgatctctca gctgggtgac      240
tgggaaacca gcgacggcat agctctgagt gctgacaagt acacttccag cgacccgctc      300
tggtatgtca ctgtgactcy gccggctggt gartcstttg agtacaagtt tatccgcatt      360
gagarcgatg actccgtgga gtgggarart gattccaacc gagaatacac cgttcctcaa      420
gcgtgcggaa cgtcgaccgc gacggtgact gacacctggc ggtagacaat caatccattt      480
cgctatagtt aaaggatggg gatgagggca attgggtata tgatcatgta tgtagtgggt      540
gtgcataata atagtgaat gggarccaaw raaaaaaaaa aa      582

```

<210> 3828

<211> 629

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(629)

<223> n = A,T,C or G

```

<400> 3828
accactacag cgtcaacaat caaaatgggg cgtctcaccg agtaccaggt cattggggcgt      60
cacctgcccc ccgaggctaa cccacgccc aagctgtacc gcatgcgcat cttcgcgccc      120
aacactgttg tcgctaagtc ccggttctgg tacttcoctga cccagctccg caagggtcaag      180
aaggccaacg gtgagatcgt cagcatcaat gtgatcagcg agaagcgccc taccaagggtc      240
aagaacttcg gtatctggct ccgctacgac tcccgcctccg gcaccacaa catgtacaag      300
gagttccgtg agatgagccg caccgaggct gttgaggctc tctaccagga catggctgcc      360
cgccaccgtg cccgcttcgg ctccatccac atccttaagg ttgttgagat cgagaacgcc      420
gacagcatcc gccgcccta catcaagcag ctctcttcca agaactcaag ttccccctgc      480
cccacgtgc tgcccacggc aagaagctgt tcgcttactc tcgtcccact actttcgcgt      540
aaatgtgacg ttttggtttt gggatgatcg agtggtgga tgaatgacta tgttatgggc      600
atagcatgca cgaanggaca cggagcacg

```

<210> 3829

<211> 601

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

```

<400> 3829
cgagaccttc atcaagatgc agatcttcgt caagaccctt acgggtaaga ctatcacct      60
cgagggtggag tcctcggaca ccattgacaa tgtcaagtcc aagatccagg acaaggagg      120
tatccccccg gaccagcagc gtctgatctt cgctggtaag cagctcgagg acggccgtac      180
tctttcggac tacaacatcc agaaggagtc caccctccac ctggtgctcc gcctgcgtgg      240
tggtggtaag aagcgcaaga agaaggctca caccaccccc aagaagatca agcacaagca      300
caagaagacc aagcttgccg tctcaaagta ctacaaggtc naccgtgatg gcaagaatga      360
accgtcttcg gcgcgaagtg cccttncccg atgcggtgct gnatcttatg gccgntntga      420
caaccgcagt ctgcggaagg gcacctacta cgttttnacg agtccaataa tggactttgc      480
catcggttcg catggtcttt tttccgggag cgcctacaat gcggtcgtga atttntgggt      540
gataaggttg gactttgcnc tttgatcgnc ctagtggcc aagcattgng aacgaaaaat      600
t

```

<210> 3830

<211> 604
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

```
<400> 3830
ttcatcactt ccctcttccc ttcatccaat tcctcttcca aacacatcta aacaatggct      60
cccaaggctg gtatcaacgg cttcggctcg atcggacgta tcgtcttccg taacgccatc      120
aaccacggcg aggttgacgt cggttgctgtc aacgaccctt tcctcgagac ccactatgct      180
gcctacatgc tcaagtacga cagcaccacg ggccagttca agggcaccat cgagacctac      240
gaggagggtc tgattgtcaa cggcaagaag atccgcttct tcgtgagcg tgaccccgct      300
gcatcccctg gggcaccacc ggcgctgact acatcgctga gtccactggg gtcttnccac      360
ccaggagaag gccgccgtna cttgaagggt ggtgccaaag aggtcgcata tcttggtcct      420
tccgctgatg ccccatgttc gtatgggtgg tcaacaacac ttctacacca agacatnaac      480
gtctttcaac gttnttgnac accaatgctt gntcccttgc caggcataac acaagtcgga      540
ttgtgaggnt tatgacacgt cantctaacg ttccaaaggc ntatgacct cacaaggntg      600
gngg                                             604
```

<210> 3831
 <211> 601
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 3831
gcaacaacga aaaccgcagc catgcagatt ttctgtaaga ccctcacggg taagaccatt      60
accctcgacg tcgagtcgag cgacaccatc gacaacgtca agaccaagat ccaggacaag      120
gagggtatcc ccccgatca gcagcgtctt atcttcgctg gtaagcagct tgaggatggc      180
cgcaccctga gcgactacaa catccagaag gagtccaccc tccacctggg cctccgtctc      240
cgtggtggtg tcctcgagcc ctcccttaag gctctcgctt ccaagtacaa ctgcgagaag      300
tccatctgcc gcaagtgtga cgcctcgctt ccccccgtg ccaccaactg ccgcaagaag      360
aagtgtggtc acaccaacca gctycgcccc aagaagaagc tcaaatagac gattatctta      420
ttacggtttt tctgcgttgc tggggaaaag agctgctggg gttacgatac gattgcaacg      480
tgggagattt tctacatggc gttggaatga tgaatcatta cttatagccg aagtcaaatg      540
tctatagttg actcctcggg aagragttgc aatcaaagca caacctgkaa aattcaaaaa      600
a                                             601
```

<210> 3832
 <211> 627
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

```
<400> 3832
ctaaccgggt caagtcgaca aagcagccaa gatgcctcgc ggacctaaaga agcaccagaa      60
gcgccttagc gcgccttctc actggctcct ggacaagatg tccggaacct acgcccccaa      120
ggcctccccg ggtcctcaca agctccggga ctgcctgccc ctgatcgtct tcctccgcaa      180
ccgtctcaag tacgccctta acggccgtga gaccaaggcg atcatgatgc agcgtctgat      240
caaggctcga ggcaagggtc gcaccgacct tacctacccc gctggtttca tggacgtcat      300
cggcatcgag aagaccggcg aagaacttcc gctnatctac cacaccaagg gtngntttaa      360
ccgtccaacc gtattcaagc ttgaggaagg ccgattccaa gctcttgnag gncaaccgtg      420
ttcaanttng gaaggcgagg atcccatttt tggttacgca cgatgcgaga accntccgtt      480
accccgacct gccatcaagg tnaacgacnc cgtgaagatc gnattgccac tggcaagatc      540
```

gccgacttct naagttcgaa ctggtgttgn cgccatggcc accggtggtc gaaaatggtc 600
 gggtcgngt cgttcccacc gngagcc 627

<210> 3833
 <211> 606
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 3833
 atcggaacct aagcctattg ctctcgagcg tggcttcgcc accatccctc tccggggcat 60
 cgatgtgccc ttccacagca cgttccttcg ttctgggtgc aagcccttcc gttctttctt 120
 gctcaagaag atcaacaaga ctaccattga tcctagtaaa ctgatcggca aatatattcc 180
 gaacgtcaca gcaagaccgt tcgaaatcac caaggagtag ttcgaggatg tttacagact 240
 caccaactcc cccagaattg cgcatactct tgccaattgg gagaagtatg aggatgggta 300
 acgcaacact ggagtggctg atgcctaggg gtagattcat tccgatatat ataggattct 360
 ggtggtcact tgnattctaaa tctcagcgct tgggtctancg ctgggttttcg aaatgcccta 420
 atatcactgt caaaaaaaaaa anaaaaaaaaa aaattctggg gccgtcaaca tgctttaaag 480
 ggccaattgn ccttaggnngc ggntcaattn ctggccgcgt ttanacgtcg gactgggaaa 540
 acctggnngt ccacttaatg cttgaggnat cccctttgca agtgggtata ccaaaggccc 600
 cccctn 606

<210> 3834
 <211> 616
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 3834
 gtatattact cttatacctt ttaatacctc ttaaataccct tcacacacat tcaaaatggg 60
 caaggacgct tctttcgctc ccggtgactc cgccaagggg gctaagctct tccagactcg 120
 ttgcgctcag tgccacactg tcgaggctgg tgggtccccc aaggctcggcc ccaacttgaa 180
 cgggtctcttc ggccgtaaga ccggtcaggc cgagggtctac gcctacaccg acgccaacaa 240
 gcaggctggg gtcacctggg atgagaactc tctgttctcc tacctcgaga accccaagaa 300
 gttcatcccc tgtaccaaga tggccttcgg tgggtctcaag aagggaagg agaggaacga 360
 cctcatcact tacctcaagg agagcaccgc ttaaattacc tcaccgtcat gaactattct 420
 agaaccgcgc tggcgaacat tgtnacttat ccgtgctgga aacaggcggg gaagtcggca 480
 acccgacagt cagggactgt acantccac gccntattac cccngataga ctttggcggt 540
 ntgcgttgga ccattngat ccatngagnc tgggttcnttc gggaccgtgg ntaanattcc 600
 ttntggtcct ttttac 616

<210> 3835
 <211> 492
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(492)
 <223> n = A,T,C or G

<400> 3835

caggatgaga	tgcttcgcgc	tggtcgtctc	gaccgcaagt	acaacggtat	catggactgc	60
ttccgtcgta	ccgctgcctc	cgagggtggt	gtttccctgt	ggcgtggtaa	cactgccaac	120
gttatccgtt	acttccccac	ccaggctcct	aacttcgcct	tccgtgacac	ctacaagtcc	180
atgttctcct	acaagaagga	gcgtgatgga	tacaccaagt	ggatgatggg	taaccttgcc	240
tccggtgggtg	ctgctgggtg	cacttccctc	ctcttcgtct	actccctcga	ctacgcccgt	300
accggtcttg	caacgacgcc	aagtccgcaa	gggcggtggg	gaccgtcagt	tcaacggtct	360
cgttgacgtc	tacaagaaga	ccttgcttcg	acggattgcc	gnctttaccg	gggttnngnc	420
ctttgggtgct	tggaatgggtg	gctaccgggc	tggacttnng	atgaccnant	cattaagccg	480
ttgttnngggt	gg					492

<210> 3836

<211> 687

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(687)

<223> n = A,T,C or G

<400> 3836						
tgcggtcat	gtctcgcccg	gttacggctg	cattggcaag	caccgtaagc	accccggtgg	60
tcgtggtatg	gccggtggtc	agcaccacca	ccgcaccaac	ctcgacaagt	accaccccgg	120
ttacttcgggt	aaggtcggta	tgaggtaactt	ccacaagacc	cagcagcagt	tctggaagcc	180
cactatcaac	cttgacaagc	tgtggtctct	cgtccccgcg	gagaagcgtg	acgcctacct	240
gagcggccag	aagaccgaca	ccgcccccg	catcgacctc	cttcccctcg	gctactccaa	300
ggttctcggc	aagggccgtc	tccccgaggt	ccccatcgtc	gtccgcgctc	gctacttcag	360
ccgggatgct	gaggagaaga	tcaaggctgc	cggtgggtgtt	gttgagctcg	ttgcttaagt	420
gtggaaagtc	tgggatttca	cttggaggat	gaaaaaccgg	gacagggtgct	gcgctggcta	480
cgattcgggtg	taatagagat	tcgaattctc	cccggggaat	gagaaaacaa	aaaatgggar	540
ccgcggatcg	ggcaccttga	tccgtgtatt	tacaaattca	aaagggtttc	tattttgtgac	600
gamaaagat	tggcctnccg	atgcccttac	gatcacgctt	ctattattga	acaataccat	660
aaaggaggac	aacttttttt	ttctgtg				687

<210> 3837

<211> 483

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(483)

<223> n = A,T,C or G

<400> 3837						
caggattcgt	gacctacaag	aactggccca	tctacaaaga	cgacacaacg	atcgccatgc	60
gcaagggcac	agatgggtcg	cagatcgtga	ctatcttgtc	caacaagggg	gcttcgggtg	120
attcgtatac	cctctccttg	agtgggtcgg	gttacacagc	cggccagcaa	ttgacggagg	180
tcattggctg	cacgaccgtg	acggttgggt	cggatggaaa	tgtgcctgtt	cctatggcag	240
gtgggctacc	tagggatttg	tatccgactg	agaagttggc	aggtagcaag	atctgtagta	300
gctcgtgaag	gggtggagagt	atatgatggg	ctgctattca	atctggcatt	ggacaagtga	360
agtttgagtt	tgatgtacaa	gtggagtcgt	tactgntggc	atcccttatc	tctcgatggg	420
tttcgaacct	aatgccaaca	cgctagtcta	tataggaaaag	gntccggatt	aaaaaaaaaa	480
ttt						483

<210> 3838

<211> 559

<212> DNA

<213> *Aspergillus niger*

```

<400> 3838
gcgagatcac cgcgatgcggc atccctatta actacaacgc ctcgaaagaa tgggccgata      60
agaaggttgt tctattctcc gtgcctgggt ccttcacccc cacctgctcc atcaaccatg      120
tccccggcta catccagaac cttcctcagc tgaaggagaa gggcgtgcaa gtcgttgccg      180
tgatcgcgtc caatgatcct tttgtcatga gcgcttgggg aaaggcgaat aatgtcaaa      240
gtgatgatat tcttttcttg actgatcctg atgcgcgctt ctgacaacac cttggctggg      300
cgagtgggtg tgcacccggg cggtttgcca ttgtcattga tcatggcaag gtgacctatg      360
cgagattga gactgagaag ggtgctgtta aggtctcggg cgctgatgct atcctggcga      420
atttgtgaat gttgagcggt cactagatgg gatgcagtag aatcaccatg gttgccattt      480
gttatgttcc ttcttagcga gtgagcaaga tacaaatagc tagtcacgaa tctcaaagcc      540
ttcgaagatg aaaaaaaaaa

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<210> 3839
<211> 1024
<212> DNA
<213> Aspergillus niger

```

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<220>
<221> misc_feature
<222> (1)...(1024)
<223> n = A,T,C or G

```

```

<400> 3839
attagataaa aaaccaatgc ccttcggggc tccttgggtga atcataataa cttaacgaat      60
cgcattggcct tgcgccggcg atgggttcatt caaatttctg ccctatcaac tttcgatggg      120
aggatagtgg cctaccatgg tggcaacggg taacggggaa ttagggttcg attccggaga      180
gggagcctga gaaacggcta ccacatccaa ggaaggcagc aggcgcgcaa attaccaat      240
cccgacacgg ggaggttagt acaataaata ctgatacggg gctcttttgg gtctcgtaat      300
tggaatgagt acaatctaaa tcccttaacg aggaacaatt ggagggcaag tctgggtgcca      360
gcagccgcgg taattccagc tccaatagcg tatattaaag ttggtgcagt taaaaagctc      420
gtagttgaac cttgggtctg gctggccggg ccgnctaccg cgagtactgg tccggctgga      480
cctttccttc tggggaatct catggccttc actggctgtg gggggaacca ggacttttac      540
tgtgaaaaaa ttagagtgtt caaagcaggc ctttgctcga atacattagc atggaataat      600
agaataggac gtgcggttct attttgttgg tttctaggac cgccgtaatg attaataagg      660
atagtcgggg gcgtcagtat tcagctgtca gaggtgaaat tcttggattt gctgaagact      720
aactactcgc aaagcattcg ccaaggatgt tttcattaat cagggaacga aagttagggg      780
atcgaagacg atcagatacc gtcgtagtct taaccataaa ctatgccgac tagggatcgg      840
acggtgtttc tattatgacc cgttcggcac cttacgagaa atcaaagttt ttgggttccg      900
ggggtttgga tttctctctt gactgaggtc aaagcagctc gctcggaccc ggtattgggt      960
gatatgtgat gatggtttag acatgccaaa aagttggtat tcttcaatat atgaaaaaaa      1020
aaaa

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<210> 3840
<211> 570
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

```

```

<400> 3840
cccgacttca agccccctag ccgccccttc aagcggatga agtactctga ggccattgaa      60
tggctgcggg aacacgatat tcccaacgag gagggcaagc ctcacgagtt cggcgatgac      120
attgccgaag ctgctgagag aaagatgacc gatatcatca accagcccat cttcctaacc      180
cacttccccg ctgagatcaa ggccttctac atgaagaagg atgtcgaaga ccgccgtgtc      240
actgagagtg tggacgttct catgcctggg gttggtgaga ttgtcgttgg tagtatgaga      300
atggatgact gggatgagct catggccgcc tacaagcagc aagcatggat cttcccgtc      360
tactggtaca ccgaccagcg caagtacgga cttcccttac ggtggttacg nctttgggtc      420

```

cgaacgtttc	ctggcttggt	tggtgctcgt	tattcccgtc	gngantgttc	ttggatcctt	480
ggttnanagg	ccgttgacgc	ntaagngctt	tgatgcatag	ncagattctt	ggttcnttga	540
tgctccaatn	acttcattgg	gaatcggtag				570

<210> 3841

<211> 623

<212> DNA

<213> *Aspergillus niger*

<400> 3841

caccacccac	ccccttcgtc	cattgcaaga	tgagctctct	ccgcttcgct	cgctctgcct	60
tcagggcccg	tccctccgct	ctccgcgttc	ctctccagcg	cagaggttac	gccgaggctg	120
tgctcgacaa	gatcaagctt	tccctgaccc	ttcctcacca	gtctatcttc	aagtcgaccg	180
gcgttggtcca	ggtcaacatc	cccgcggaat	ccggagagat	gggtgttctc	gccaaccacg	240
tcccctccat	tgagcagctc	aagcccggtc	tcgttgagat	cgttgaggag	ggtggtgcca	300
gcaagaagtt	cttctgtctt	ggtggtttcg	ccgttggtcca	rcccgactcc	caagctgagc	360
atcaacgccg	tcgagggttt	cctcttcgag	gaattcagca	ttgacaacgt	ccgttcccag	420
atcgccgagg	cccagaagat	tgccaacgga	agcggcagcg	agcaggatat	tgctgaggcc	480
aagattgagc	ttgaggtgct	ggagagcctg	caagccgtcc	tcaaatagat	acctgatgta	540
catatccact	cgcgacttca	actttgaacc	tgtagaatta	tagcaattct	cawggaaaca	600
cttttttgca	atgaaaaaaa	aaa				623

<210> 3842

<211> 623

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 3842

cttatctatc	aacctccatc	aatctttcat	cctcaacgtc	atctttccat	ctctaaaaca	60
actaaatcca	tcaaaacttaa	tccactaaga	tgccccgcac	taagcagact	gcccgtaagt	120
ccactggtgg	caaggctccc	cgtaagcagc	tcgcctccaa	ggctgcccgt	aaggccgctc	180
cctccaccgg	aggtgtcaag	aagcctcacc	gttacaagcc	cggtaccgtc	gctctgcgtg	240
aaatccgctg	ttaccagaag	agcactgagc	tcctgatccg	caagctgccc	ttccagcngt	300
cttgctccgtg	aaattgctca	ggacttcaag	tcggatctcc	gcttccagtc	ctccgccatc	360
ggtgctcttc	angagtgcgc	gaggccctacc	tcgtctccct	cttcgaggac	accaacctgt	420
gcgccatcca	cgccaagcgt	gtcaccatcc	agtcaangga	catcccagct	tgccccgcgc	480
tcttcgctgg	tgagccgctc	ttagattact	tctaataaag	tcgatctttt	tctgggttngg	540
gaaggcgatt	aacggggggt	tctttttctt	ttaattttca	ttgactactg	gccgatacca	600
tgattggggg	ttgccaaant	ttn				623

<210> 3843

<211> 486

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(486)

<223> n = A,T,C or G

<400> 3843

tggggtgccgc	gcacatggtg	gcgagaacgt	ctacctgcaa	gccttggtga	agctctaccg	60
attcctcgcc	cgctcgtagg	aatccaactt	caacaaggtc	gtcttgccgc	gccttttcat	120
gtccaggatc	aatcgccccc	ccgtttcgct	ctcgcgattt	gtatccaatg	tgaccgactc	180
ccacaagggc	aagcgtatcg	ttgtgatcgg	caccatcact	gacgacaacc	gtctttctgac	240

tgtcccgaag	ctgtctattg	cagcacttcg	tttcacggct	actgctcggg	ccaggattga	300
gaaggctggg	ggtgaggtct	tgactttgga	ccagctcgct	ctgcgtgccc	ctactggagc	360
aaacactcct	cttcttcgcg	gacctaagaa	tgctcgggan	gcagtgaagc	ctttnggttt	420
cgncccaaaa	ggcacaagaa	acctacgttc	gcancaangg	gacgtaagtt	cganagancc	480
gtggac						486

<210> 3844
 <211> 745
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 3844						
ctcaaatttg	aaagctggct	ccttcggagt	ccgcattgta	atttgagag	gatgctttgg	60
gtgcggcccc	cgtctaagt	ccctggaacg	ggccgtcaga	gagggtgaga	atcccgtctt	120
ggcgggggtg	tccgtgccc	tgtaaagctc	ccttcgacgag	tcgagttggt	tgggaatgca	180
gctctaaatg	ggtggtaa	ttcatctaaa	gctaaatact	ggccgtcggt	cgtgcctgct	240
tcttggggcg	agacctctgc	cagcagcggt	cccggcacct	gtgcggccac	atctgccatt	300
ggtacctaca	gcagtgtgac	tgctacctcg	tggccgagta	tcgtgggtac	tggcggcacc	360
actacgacgg	ctacccccac	tggatccggc	agcgtgacct	cgaccagcaa	gaccaccgcg	420
actgctagca	agaccagcac	cagtacgtca	tcaacctcct	gtaccactcc	caccgccgtg	480
gctgtgactt	tcgatctgac	agctaccacc	acctacggcg	agaacatcta	cctggctcga	540
tcgatctctc	agctgggtga	ctgggaaacc	agcgacggca	tagctctgag	tgctgacaag	600
tcactttcag	cgacccgtct	ggatgtcact	gtgactctgc	cggttggtgag	tcgtttgagt	660
acaagttatc	cgattgagag	cgatactcgt	gaatgganag	tgatccaacc	gagaatacac	720
cgtcttaagc	ttcggaacgt	naacg				745

<210> 3845
 <211> 513
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(513)
 <223> n = A,T,C or G

<400> 3845						
gttcgcgatc	cggccaagtc	agtcaaaatg	gtcaacgttc	cgaaaaccgg	ccggacgtac	60
tgcaagtcca	aggagtgcc	caagcacacc	cagcacaagg	tcaccagta	caaggctgga	120
aaggcctccc	tgctcgccca	gggtaagcgt	cgttacgacc	ggaagcagag	cggttatggt	180
ggtcagacca	agcccgtctt	ccacaagaag	gccaagacca	ccaagaagat	tgctcttcgt	240
cttgagtgca	ctgcttgcaa	gaccaagaag	cagctttctc	tgaagcgctg	caagcacttc	300
gagcttggtg	gtgacaagaa	gaccaagggg	gctgctcttg	tcttctaaat	ttgcgggttt	360
cttgctcggc	tctgggtttc	atgcattgca	cagaccgcaa	tgctgcggcg	gcggctatga	420
catcggaat	ggaagatgga	ataggatctc	atattcaaga	aaaaatgaaa	gaatatatga	480
ctcctagttg	atgagtctct	tgacgaaaaa	aan			513

<210> 3846
 <211> 621
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(621)

<223> n = A,T,C or G

<400> 3846

cgacgatatc	gacaattccc	tcgcggaac	accacagccc	acgcagtcaa	gatgcggtac	60
atttactccg	aggaacgggt	gcccattccc	gagaatgtga	aggttcacat	tcgctcgcgc	120
attgtgaccg	ttgagggacc	ccgaggcaag	ctcgtcaagg	acctctccca	cattgctgtc	180
accttcggcc	gccccgagaa	gaatgtcatc	tccattgaga	tgcaccacgg	tgtccgcaag	240
ggaatggctt	cccttcgtac	cgctccgacc	ctcatcaaca	acctgatcat	cgggtgtcacc	300
aagggcttca	agtacaagat	gcgctacgtc	tacgctcact	ttcccatcaa	cgtcaacatt	360
gagaagaacc	ccgagaccgg	tctgcacgac	gttgagatca	gaaacttctt	gggtgagaag	420
tacgtccgcc	gtgtgaccgc	ccagcctggc	gttgaggtca	tcacctctcc	caacgtcaaa	480
ggatgagctc	gtcctctccg	gtaactccct	ggaaggggtg	ctcccaaaag	tgctgccgac	540
atcaacagat	ntgccgtgtc	cgcaacaagg	atatccgtaa	gttccctgac	ggtctgtacg	600
tgtcngancg	tggtaacatt	g				621

<210> 3847

<211> 492

<212> DNA

<213> *Aspergillus niger*

<400> 3847

ccgccccgcg	ctttcgagga	gtacgttgac	atgaagccga	tcattgggac	tccgggttaac	60
cggaagatct	ttgagcggtc	gttcgcgtac	ttcagtcgtg	acttgaagaa	tgtagccgc	120
gactgggcta	aggtgaccaa	ctatggcaag	cggttgggca	ttctgagtgc	tgatttcgtg	180
gcgaactaca	ctaacgacta	tttgtcgtgg	ggcttggatg	ctgactcgac	tgatccccctg	240
ggggatcaga	agcgcatggc	tgagttgcag	aagaaggctc	ctgccgagg	tggttacaag	300
cggttggagg	ttgcttcttc	ggcttgattg	attatcaagc	tcgggtggarc	agcttgctcg	360
cttgacactc	taggaacagg	gatgattctt	atgtaacgg	cgtttacgag	tctagctgga	420
tgtgctagct	tacgcactct	tttagtatga	cagcaatata	tcatacgatc	ttttgagaca	480
tgaaaaaaaa	aa					492

<210> 3848

<211> 359

<212> DNA

<213> *Aspergillus niger*

<400> 3848

gctcaatact	ggaaccagac	aggatatgat	ctctgggaag	aagtcaatgg	ctcgtctttc	60
tttacgattg	ctgtgcaaca	ccgcgccctt	gtcgaaggta	gtgccttcgc	gacggccgctc	120
ggctcgtcct	gctcctgggt	tgattctcag	gcacccgaaa	ttctctgcta	cctgcagtcc	180
ttctggaccg	gcagcttcat	tctggccaac	ttcgatagca	gccgttcogg	caaggacgca	240
aacaccctcc	tgggaagcat	ccacaccttt	caagaacatg	gaattgaaaa	tgacatgcta	300
agaaatgaag	aagaagaagg	gatcatagaa	agttgtccat	cttggttaaa	aaaaaaaaaa	359

<210> 3849

<211> 607

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(607)

<223> n = A,T,C or G

<400> 3849

ccgtcatcaa	ccagcggcaa	ccgtcaagat	gcctttccac	aagctcgtca	agaacagcgc	60
ttactacagc	cgctaccaga	ccaagtaccg	tcgtcgccgt	gagggtaaga	ccgactacta	120
tgcccgtaa	cgcttgatca	cccaggccaa	gaacaagtac	aacgccccca	agtaccgcct	180
ggctcgtccg	ttcaccaacc	gcgactgcta	gcaagaccag	caccagtacg	tcataaacct	240
cctgtaccac	tcccaccgcc	gtggctgtga	ctttcgatct	gacagctacc	accacctacg	300

gcgagaacat	ctacctggtc	ggatcgatct	ctcagctggg	tgactgggaa	accagcgacg	360
gcatagctct	gagtgctgac	aagtacactt	ccagcgaccc	gctctggtat	gtcactgtga	420
ctctgccggc	tggtgagtcg	tttgagtaca	agtttatccg	cattgagagc	gatgactccg	480
tggagtgagg	gagtgattcc	aaccgagaat	acancgttcc	tcangcgtgc	ggnacgtcga	540
ccgcgacggt	gactgacacc	tggcgggtana	caatcaatcc	aattcgctat	agttaaagga	600
tggggat						607

<210> 3850
 <211> 648
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

<400> 3850						
tccgactcgt	cgacacatcc	ctcgagatac	ctcatatcct	tcgattcctc	gatttgagaa	60
tctcgattcc	acaccgtcaa	aatggtcaag	acttccgtcc	tcaacgatgc	gcttaacgcc	120
atcaacaacg	ccgagaagag	cggtcgccgt	caggtcctga	tccgcccttc	ctccaaggtc	180
atcatcaagt	tcctttccgt	catgcagaag	cacggctaca	ttggcgagtt	cgaggagggt	240
gacgaccacc	gctccggcaa	gatcgtcac	cagctcaacg	gccgtctgaa	caagtgcggt	300
gtcatcaacc	cccgtacccc	cgttcaagct	ccgtgacctc	gagaagtggg	ccactcagct	360
cctgccctcc	cgtcagttcg	gttacgttgt	cctgaccaac	tccgctggta	tcatggacca	420
cgaggaggct	cgccgcaaa	cacgttgccg	gcaaagctcc	tcggtttctt	ctaactaaaa	480
agtttacctg	gaagcttttt	ttgatggcga	ngatctagtt	tgtgggtgcg	anggatgaac	540
tctccgtggc	ttggcggagt	tggatngata	ccccggcaaa	agatgtctan	ataagttatt	600
gattcgagtg	attcttgcca	atggaactga	attcaagtca	tcaaaaaa		648

<210> 3851
 <211> 449
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 3851						
gacacccttg	ttgtgcttcc	ttccctgtct	cgtctgatga	agtctgccat	tggtactgga	60
cgtactcgta	aggatcactc	tgaagtgtcc	aaccagctgt	acgccaagta	cgccattgga	120
cgtgatgccg	ccgccatgaa	agctgtcggt	ggtgaggagg	ctctgtcttc	cgaggacaag	180
ctgtccctgg	agttcctcga	caagttcnaa	cgcaccttca	tcagccagtc	gccgtacgag	240
tcgcgcacca	tcttcnagtc	gctggacatt	gcctggaacc	tgctgcgcac	ctaccccaag	300
gatctgctga	accgtatccc	caagcgggtg	tttggacgan	ttttatgcnc	ngtcggcgcg	360
caagattgcc	aacaaggaca	cccgggacaa	cacggttcgg	agcagaccca	ggccaagacg	420
gccgatttga	tcgagacata	agctatgga				449

<210> 3852
 <211> 607
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(607)
 <223> n = A,T,C or G

<400> 3852
ctcaaatacca tcaaaatgtc ttccgagcag accttcattg ccatcaagcc cgacggtgtc 60
cagcgcggac tcgttggccc catcatctct cgcttcgaga accgtggctt caagctcgtt 120
gctctgaagc tctgtctccc cggcgtgag cacctcgaga agcactacgc tgacctcaag 180
gagaagccct tcttcccccg tctcgtctcc tacatgctct ctggcccat ctgcccattg 240
gtctgggagg gccgtgacgc cgtcaagacc ggccgcacca tcctcgggtgc caccaacccc 300
cttgccctccg ccccggcacc atccgtggtg actacgccat cgacgtcggc cgcaacgtct 360
gccacgggttc cgactccgtc gagaacgccc agaaggagat tgccctctgg ttctccccag 420
cgagctccag cagtgggaagc actcccagtt cgactggatc tacgagaagg cctaaattat 480
tccggcaatg tcgcgcctga gcgcctgcat tccgctacga gttgagatgt agagtacctc 540
gggtgatata aaactncaag atctcatgag aactagaaat acaaantnnc aaaaatatat 600
tcaggaa 607

<210> 3853
<211> 622
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 3853
gtagcttctc cgcttctgct agccaggcct ccaagggtgc cgttctcggt gccgccggtg 60
gcattggcca gcctctgtcc ctgctcatga agcagaaccc ccttgctact gacctcgccc 120
tctacgacat ccgcgggtga cctggtgtcg ctgctgatat cagccacatc aacaccaaca 180
gcaccgtcaa gggctacgag cctaactccct ctggcctccg cgatgccctc aagggtccg 240
agatcatcct catccctgcc ggtgttcccc gcaagcccggt catgaccctg gatgacctct 300
tcaacaccaa cgctccatc gtccgcgacc tcgccaaggc cgccgctgag gctgctcccg 360
aggctaacat cctcgtcatc tccaaccccg tcaactccac cgtcccccac gtctccgagg 420
tctacaagtc caagggtgtc tacaacccca agcgcctctt cgggtgtcacc accctggacg 480
ttgtccgtgc ctncgccttc atctcccagg tcaagggcac caaccccgca acgaggccgt 540
caccgtcatc ggtggccact ccggtgtgac atcgnctccc tncctctcca gtcaaccacc 600
ccgacatctn tggcaccgtc cg 622

<210> 3854
<211> 541
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 3854
acccgcttca aggcgcgtcg cgtcatcggt gactccgagg gtcacatcgg tctcgggtatc 60
aagacctcca aggaagtcgc taccgctatc cgtgctgnca tcaccatcgc caagctcagc 120
gttctccccg tccgtagagg ttactggggt accaaccttg gtgagcctca ctctntgcg 180
ttaagcagag cgccaagtgt ggttccgtct ncgtcagact tatccccgnt ncccgaggta 240
ccggtctcgt tgncttcccc gntgtcaagc gtctgnttca gcttgncngt gtcaggacgc 300
ctacacctgn tctttcgggt caccaaganc ctngagaaca ctctnaaggn tactttntct 360
ggcgncgtca acacctacgg gtttcttacc ccaaactntg gaaggagact aagctcattc 420
gnagcctntg gaagaagttc ggtgatgtcc tgcgtcaggg caagaagtac taggatagtg 480
ctatgatggg aataaccttg catgantggg tttgaatcga actattnnc tacgggtttt 540
c 541

<210> 3855
<211> 505

<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 3855
cgagggtccc gctgagagcc tttccagaa gccctacttt gagcttctgc gcgatgcgct 60
ccgtgaggga ggtgtcatca ccacacaagc cgagaaccaa tggctgcacc tgtctctgat 120
caccgacctc aagaaggcct gcaaggagggt tttccccgtt gccgaatacg cctacaccac 180
catccccacc taccctcccg gccagatcgg cttcatggtc tgctgcaagg atgccactcg 240
taacgtcaag gagcccgttc gcagctggac ccgtgaggag gaggagaagc tctgccgcta 300
ctacaaccaa gacatccaac gtgccaaactt cgttctcccc aacttcgccc gcaangntct 360
ggatgctaaa ctatctgaag ttttgtcctt ccaatacttt ggtgggtggc tcctccgttt 420
cnanggccca cgggggctga taatccatga tgatttgacg atgaccaata ttacaaaaga 480
ttctggcgct tcctcaaaaa aaaaa 505

<210> 3856
<211> 600
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 3856
atcaaaatgg gggtctctac cgagtaccag gtcattgggc gtcacctgcc caccgaggct 60
aaccaccgac ccaagctgta ccgcatgcgc atcttcgcgc ccaacactgt tgtcgctaag 120
tcccggttct ggtacttctt gacccagctc cgcaagggtca agaaggccaa cggtgagatc 180
gtcagcatca atgtgatcag cgagaagcgc cctaccaagg tcaagaactt cggatatctg 240
ttccgctacg actcccgctc cggcaccac acatgtacaa gggagtcccg tgagatgagc 300
cgaccgaagc ttgttgaagn ttttttacag gacatggttg cccgcaccgt gcccgtttcg 360
gttcatccac atccttaagg ttgttgagat cgagaacgcc gacagatccg ccgccttaca 420
tcaagcaagt tctttcaaga accttaagtt ccccttgccc accggcttgc cacggaagaa 480
cttggttcgtt aattttngtc caattatttt cgggnaatgn gacgttttgg gnttgggtga 540
tcgaatgtgg ggatgaatga cntgtttttg gccatacatt gnccaaggga cggggcccn 600

<210> 3857
<211> 624
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 3857
gtggaaactc acgccgcaag caacggctcc atgtccgagc aatacgacaa gtctgatggc 60
gagcagcttt ccgctcgca cctgacctgg tcctaagccg gtccgctnac cgccnaaaaa 120
cgctcgtaa at ccgctcgcc tgcttcttgg ggagagacct ctgccaacag cgtgcccggc 180
acctgtgcgg ccacatctgc cattggtacc tacagcagtg tgactgtcac ctctggcccg 240
agtatcgtgg ctactggcgg caccactacg acggctaccc ccaactggatc cggcagcgtg 300
acctcgacca gcaagaccac cgcgactgct agcaagacca gcaccacgac ccgctctggt 360
atgtcactgt gactctgccg gctgggtgag cgtttgagta caagtttatc cgcattgaga 420
gcgatgactc cgtggagtgg gagagtgatt ccaaccgaga atacaccgtt cctcaagcgt 480

gcggaacgtc gaccgcgacg gtgactgaca cctggcggtg gacaatcaat ccanttcgct	540
atagttaaag ggatggggga tgaaggcaaa ttgggtanat gatcatgtta gtaatggggt	600
gtgcataata tantgaaaat ggna	624

<210> 3858
 <211> 535
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

<400> 3858	
ggtgactgca ctttcggacc catgcttgcc cacaaggccg aggaggaggc cgtcgtgccc	60
atcgagtaca tcaagaaggg ttacggccac gtcaactacg gctgcatccc cagcgtcatg	120
tacacccacc ccgaggctgc ttgggtcggc cagaacgagc aggaagtcaa ggctgccggc	180
atcaagtacc gcgctcggtac ctcccccttc agcgccaact cccgtgcca gaccaatctc	240
gagactgagg gtcagggtcaa gttcatcgcc gatgctgaga ccgaccgcat cctcgggtgc	300
cacatcatcg gcccacgcc ggtgagatga tcgccgagcc accctggctg tcgaagtacc	360
gngcctcttg cgaggacatt gnttgnacct gcacgcttac cttaccttgg ctgangnctt	420
caaggagggtt gcattgntac tactcaaggc atcaattnta anagtccccc ttgcttgana	480
tgaacatcac accacccgat ntctgacctt ttggcttggc tntactaatc tacta	535

<210> 3859
 <211> 406
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 3859	
nnggggggac gctgnagnca ccttctcntc aagcaccggg aaagtaggcg gcctagcagc	60
tggagggaag ctgaaatcac ccgttcgaaa gaggaggcca tcgagatcct ccgcggccac	120
gaggcgcgca tcaatgcggg agaagccagt ctgggtgaca ttgctgtatc ggagtcagac	180
tgcagcagtg ccaggaaacg tggagatttg ggtttctttg gacggaatga gatgcagaaa	240
gagtttgagg acgccgcctt tgcactccaa cccggtcagg tcagtgggat tgtggagacg	300
gcctctggtg tccatttgat tgaacgggtt cagtaaattt ctatgaatgg gcatatatac	360
tacgtgtatt tacntggatg agatctctat atctttctac atgaga	406

<210> 3860
 <211> 1090
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(1090)
 <223> n = A,T,C or G

<400> 3860	
ggaaaacgac aaaacttctc acccgacatc gaggaccacc cgctcggcaa ccacatcaag	60
atggtccggt acgctgctca ggagattccg gccgctaaga gcgcccgcgc ccggggctct	120
tacctgcgtg tcagcttcaa gaacacccgt gagaccgctc aggccatcaa cggcatgaag	180
ctgcagcgcg cccttacctt cctcaacaac gtcaccgaaa aggctgaggc tgtccccatg	240
cgctcggtag ctggcagcac cggctcgctgc gtcagggca agcagtgggg tgtcagcaag	300

gctcgttggc	ccgtcaagtc	cgccgagttc	cttctcgacc	tcctgaagaa	cgctgaggcc	360
aacgccgaca	ccaaggggtct	cgacaccggc	aacctcgttg	tcaagcacat	ccagggtcaac	420
caggctccca	agggccgccg	cacctaccgt	gctcacggtc	gtatcaaccc	ctacatgacc	480
aacccctgcc	acatcgagct	catccttacc	gaggggtgag	agaccgtcgc	caaggggtccc	540
gctgtcaagg	aggtccgcct	cagctcccgc	cagcgtgggtg	ctcagctccg	ccgtgctctc	600
attgaggeat	aagcgggtgtg	tgggtgtcgg	gggaagtgtg	aagtgggtcag	aaactgaatg	660
ggaatgccgg	agtttgctgt	tgtacggatc	caatacctgg	tcacggaagg	aatacaaaaag	720
aaattattac	ttttttgaca	aatggaaaaa	attcgaaacc	acccggcgag	aatgatgatg	780
gtgatgatga	tggtttctct	tatgctctat	gcagagacaa	catctttcct	ttagacattg	840
atctcgtttc	accccccgga	gattcggttc	gactggataa	ttttcctttg	cagcccctgg	900
tcacgagctg	tggcggctgg	ttaaggagtc	cagggaaaat	attccttcat	tatagtggat	960
actacatgga	tggcgtgcat	cggtacggct	ggkttcggac	attctcctac	ttcaggacac	1020
ttttgcgagc	gktttaattca	tgatgggata	cngaattcat	tttctttcat	gaagttgtaa	1080
ggaaaaaaaa						1090

<210> 3861

<211> 808

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 3861

gccagccca	ccggcaagtg	cggtgtcatc	atcacccggc	acaaccgcag	catgtgcacc	60
caccttgctg	ccgccaacga	gtacaagatc	gagcaactga	agcagcctca	cgtctgggtct	120
ctcgttgaga	aggcccagtt	ctactacgtt	ggtgggtttcc	accttaccgt	ctgtgttcct	180
gccatccagg	ccctcgggtga	ggaagctgct	gctaagaaca	aggtcttcat	gctcaacctc	240
tctgctccct	tcattgccca	gttcttcaag	gaccagctgg	acagtgtcct	cccctacacc	300
gactacacct	tctgtaacga	gaccgaggct	cgtgctttct	ccgagagcca	cagctggggc	360
accgacgatg	tcgtcgagat	cgccaagaag	ctgggtcagc	tccccaaaga	gaacaccaac	420
cgtccccgtg	tcgccatcgt	gacccagggc	acctcccca	ccgtcgtctgc	caccgttaag	480
cccaacggcg	aggtcgaggt	caaggagatc	cccgtccgcg	agatcccca	gagcagcatc	540
aacgacacca	acgggtgccg	tgacgccttc	tgcggtgggt	ctgcgcgggt	atctccaaag	600
gaagtccctc	gaggacagca	tcgacatggg	ccagtgggtc	cttccctcaa	catccaagag	660
ctgggtttgct	ccttccccnt	ccccaagcaa	gcctacaccc	catcaaccgc	tcctaaacat	720
ctncaacaaa	ctcaactttg	ggatccttgg	agccataact	ggataacntt	ttccctcatc	780
taaaaaaatt	tcctttttca	aaaaaaaa				808

<210> 3862

<211> 486

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(486)

<223> n = A,T,C or G

<400> 3862

aagatgtctt	ccgctgcctg	catctttctgc	aagatcatca	aggggtgatat	cccttcttttc	60
aagctctttc	agagcgacaa	ggtcttttgc	ttcctcgaca	ttcaaccctt	tagccgtgga	120
cacgtctctg	tgatccccaa	gttcacgggt	gccaaagtca	ccgacatccc	cgacgaagat	180
cttcaggaaa	tcctgcccgt	cgcgaagaag	atcgccaagg	ccaccggcgc	cgaggacttc	240
aacgtccttc	agaacaatgg	tcgcatagcg	caccaggtag	tcgatcatgt	tcacttccac	300
atgattccca	agcctaacga	gaaggaaggt	ctcggtatcg	gctggccgct	caggaatccg	360
atatggacaa	gctgaaggct	ctgttcgagg	aaatcaaggc	taagatgtaa	aagtgtcgta	420
gtacagatat	agcaagtgtc	acagctgcgt	ctaantacat	accatgtgct	attatcaaaa	480

aaaaaa

486

<210> 3863
<211> 515
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 3863
gaccagggtca ggtcgcgagc ggaaagctgc tcgccatcag acttgtcnta ttgctcggac 60
atggagccgt tgcctgcggc gtgacctctg ccagcagcgt gcccgccacc tgtgcggcca 120
catctgccat tggtagctac agcagtgtga ctgtcacctc gtggccgaag tatcgtggct 180
actggcggca ccactacgac ggctacccca ctggatccgg cangcgtgac ctcgaccaag 240
caagaccacc gcgactgcta tcaagaccag caccagtacg tcatcaacct cctgtaccac 300
tcccaccgcc gttgctgtga ctttcgatct gacaactaca ccacctacgg cgagaacatc 360
tacctggtcc gatngatctc tcanctgggt gactgggaaa ccancgacgg ataactctga 420
gtgctgacaa gtacacttca agcaaccgct ctgggtatgtc actgtgactc cgccggctgg 480
taatctttgg tacaantttc cncattgaga cgata 515

<210> 3864
<211> 630
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 3864
atcctctctt atctccttct gacgttttctg tcatctccca taacacctca ttcacaatgt 60
ctgctcctgc tgctttctct gacatcgcca aggcggccaa cgatctcctg aacaaggact 120
tctaccacaa cagcgccgcc aacctcgagg ttaagtccaa ggcccccaat ggcgtcacct 180
tcaacgtgaa gggcaagtcc gccacgagg gtccattgct tggctccctc gaggccaagt 240
acgtcgacca gccactggc cttacctca cccaggcttg gacctgccc aacgccctcg 300
acaccaagct cgagctcgac aacaacatcg ccaaggggtct caaggctgag atcctgacct 360
agtacctccc tgccaagcag tccaagggtg ctaagctcaa cctctacttc aagcagccca 420
acctgcacgc ccgtgccttc ttcgacctcc tcaacggccc ctccgcaact tcgacgtgt 480
tctcggccac gagggttct cgtcgggtgct gagggtggct acgacgtcag aaggccgnca 540
tcaccaagta ctccgctgcc gttggctaca gcgttcccca gtacttccgc tgcatacccg 600
gtggcaacaa cctgaccgtt tnttcggcag 630

<210> 3865
<211> 483
<212> DNA
<213> *Aspergillus niger*

<400> 3865
gagacgactc cggagccttt acgacaacca aaccgacag ccaaagaaat ccgtcaagat 60
gggtcaagaag agggcgaaca acggctgtaa caagaacggc cgcggccacg tcaagcccgt 120
gcgctgctcc aactgcgtct gctgcactcc caaggacaag gccatcaaga gattcaccat 180
ccgcaacatg gtcgagtcgg ctgccatccg tgatatctcg gacgcctccg tcttcaccga 240
ctacgccgtc cccaagatgt acctgaagct gcagtactgc gtctcctgcg ctatccacgg 300
caagattgtt cgtgtccgct ccgggaaggt cgtcgcaacc gtgctccccc tctcgtatca 360
gggtcaacaag gatggcaaga actgaacccc cctcaagccg ccaaggctat gtaaggaagg 420
aatgacaacg atttcaaaga gataaagaaa aatggaatta gttaaggggc ttaaaaaaaa 480

<210> 3866
 <211> 636
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 3866									
ttctaagcct	gagaacaagc	acgtcctcaa	gtccttcaac	ctcactggca	aggttgctgc				60
cattactggc	ggcgcccgag	gtatcggact	agaggtctcg	agggctctcg	cagaagctgg				120
tgccaacgtg	gcccgtgatt	acaactcgtc	taaagctgca	gaagcccttg	ccgaagagat				180
cggcgcccag	aataatgtca	agtcagctgc	ctataaagct	gatgtcggaa	atcaggagga				240
tattgagagg	gtaatccagc	agattgcttc	agactttggc	aagcttgata	ttatcgctcg				300
gaactcgggg	gtcacttcca	atatcgcggc	agaagactac	accaccgaac	aatggcgtga				360
catcatgaag	gtcaatctag	atggcgcat	ttatagcgcg	caagcggctt	ctcggatctt				420
caagcaacaa	ggacatggaa	atgtaatctt	cacagcctct	gtcagtgcaa	cattggtgaa				480
tgtgcctcag	aagcaagctg	catacaatgc	ctccaaagct	ggggtcgtgc	aaatggcaaa				540
atgtctgtct	gttgaatggg	ttgantttctg	ccgggtcaac	tgtatttccc	caaggttcaa				600
ttgccacaan	aaattctgga	tatccaacct	ctggga						636

<210> 3867
 <211> 416
 <212> DNA
 <213> *Aspergillus niger*

<400> 3867									
tgggtgctgg	cttgctagca	gtcgcgggtg	tcttgctggt	cgaggtcgat	ctctcagctg				60
ggtgactggg	aaaccagcga	cggcatagct	ctgagtgctg	acaagtacac	ttccagcgac				120
ccgctctggg	atgtcactgt	gactctgccc	gctgggtgag	cgtttgagta	caagtttata				180
cgcattgaga	gcgatgactc	cgtggagtgg	gagagtgatc	ccaaccgaga	atacaccggt				240
cctcaggcgt	gcggaacgtc	gaccgcgacg	gtgactgaca	cctgcggtag	acaatcaatc				300
catttcgcta	tagttaaagg	atggggatga	gggcaattgg	gtatatgatc	atgtatgtag				360
tgggtgtgca	taatatagtg	aatggaagcc	aagtcatgtg	attgtaaaaa	aaaaaa				416

<210> 3868
 <211> 633
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 3868									
gtggtactcc	tgccattgcc	gttccgtttg	tttagatcgt	cgtccacatc	cccctgtcgc				60
catccctcgc	agcccgtgtg	cgcatattcc	tcacgcaatc	accacaatca	acacaacaaa				120
cagtcattgg	ttcgaccaac	tacaaggaag	ccttctctct	cttcgataag	cgtgggtaccg				180
gcaaggctgc	gctcgagtgc	ctaggcgacc	tcctgcgcgc	atgcggtcag	aatcctactt				240
tggcggagat	cgcagatttg	gagaagtcca	tcggtggaga	ctttgacttc	gagtcgttct				300
tgaaggctct	caaccgccct	ggaggcttcc	gtgaccctgg	cgagcccga	gaatactgcc				360
gcggattcca	ggtgttcgac	aaggacctga	ctgggtttat	cgggtgtggga	caactccgat				420
acatcctgac	gaatctcggt	gaagaagatg	tcggatgang	aggttgacga	actactcaag				480
ggcgtcgaca	ccaactccgg	cgagatnaac	tacaccgacc	tcgtccgcac	atcctggcca				540
actaaacgac	acacgatacc	gataccctcc	tgacgttctc	gatgaattct	gttacgaagc				600

gaacctccta caaccgttgc cngagttgaa ngc

633

<210> 3869

<211> 395

<212> DNA

<213> *Aspergillus niger*

<400> 3869

aagtcacagc	cacggcggtg	ggagtggtag	aggaggttga	tgacgtactg	ggtgactggg	60
aaaccagcga	cggcatagct	ctgagtgtctg	acaagtacac	ttccagcgac	ccgctctggg	120
atgtcactgt	gactctgccg	gctgggtgagt	cgtttgagta	caagtttatc	cgcattgaga	180
gcgatgactc	cgtggagtgg	gagagtgatc	ccaaccgaga	atacaccgtt	cctcaggcgt	240
gcggaacgtc	gaccgcgcag	gtgactgaca	cctggcggtg	gacaatcaat	ccatttcgct	300
atagttaaag	gatggggatg	agggcaattg	gttatatgat	catgtatgta	gtgggtgtgc	360
ataatagtag	tgaaatggaa	gccaaaaaaa	aaaaa			395

<210> 3870

<211> 636

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 3870

ggaggcccga	ctggtcgatg	gatacacgaa	cctgagcgct	atggagatcg	accctaacgg	60
aagtattcaa	gatctcctgg	ctagtggtag	aggccaaggc	gacgaccctc	tgtctgggtat	120
gggcgttggg	ggaatgatgc	aggaccttgc	gttcagtatc	cccgggtgtg	atgaagctat	180
gtcctttgcc	gaagtcctga	agcagggtcaa	gtcgtgtgct	tacgaagtta	ttgtgtttga	240
cactgcgccg	accggtcaca	ctctccgctt	cctccaattc	cccactgtct	tagagaaggc	300
tctcgccaag	ctgtcgcagc	tgctgtctca	gttcgggtccc	atgctgaact	cgattcttgg	360
ttcccgtggg	gggtctgcct	ggcgggtcaaa	acattgatga	attggtgcaa	aagatggagt	420
cgctgangga	gacaatcagc	gangttaact	cgcagttcaa	aggacgcgga	tctgactanc	480
ttcgtctgtg	tctgcaattg	cggnantcct	gtccctctaa	gaaaccgagc	gcatgatcaa	540
gagctcacia	agctataaca	tcgatancca	tgccaattgt	ggtcaaacaa	ctcctgttcc	600
caagcaaaaag	caaccaantg	cgagcaatgt	tatgca			636

<210> 3871

<211> 430

<212> DNA

<213> *Aspergillus niger*

<400> 3871

gctatgttac	gagaacaagg	acatgctaag	tgccggtatc	atcatcgccg	gatacgaccc	60
gaagcacgga	ggtcagggtg	attcgatacc	gttgggcggg	tctcttcaca	agcaaccgtt	120
ctctatcggc	ggatctggat	caacctatat	ctatggctac	tgtgatgtct	actggagggg	180
gaacatgaca	gaggaggaag	gcatcaactt	cgtccgcgga	gcaactgcaag	aagcaatcaa	240
gtgggatggc	agttccgggtg	gtgtaatccg	actggtgggtg	ctgacgtctc	ggggcgccca	300
gcgacacctc	tacctgccag	acacgggcta	caccggcccg	ggcgttacca	attaacgaat	360
gtatctatac	gggacgatga	ttttaattgt	tggtagctgc	taaacgagct	atttcattca	420
aaaaaaaaaa						430

<210> 3872

<211> 468

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 3872
 ccaaccagat caaggacttg ggcaagcgcg cccgcgacaa caagctcaag cccgaggagt 60
 accaggggtg cacttttcacc atcagcaaca tgggtatgaa ccctgctgtt gagcgcttcg 120
 ccgccgtcat caacccccct caggccggta tcctggccgt tggtagcatc cgcaagggtg 180
 ccgttcccgt cgagactgag gagggcacct ccgttgagtg ggatgaccag atcatcgtca 240
 ctggcagctt cgaccaccgt gtcgtcgatg gtgttgctcg tgcagagtgg atcaaggagc 300
 tgaagaagg tgttgagaac cccctcgagc ttcttttgta agctcttccc tacactgtga 360
 gaccccgacc ggcgcaatat actaactatc tacgatcgga gtttcttttg gncttgttgt 420
 aatatgtatt aaaatcaatt gaatgtttcc tcctttcaaa aaaaaaaaa 468

<210> 3873
 <211> 478
 <212> DNA
 <213> *Aspergillus niger*

<400> 3873
 ccgacctcaa ttaccgccct aactacaata attccgagga ctcgaccgat tttgcaaccg 60
 ccaaaggag aaattaccac caaggtcctg agtgggtttg gcagcgtggg tacttccctc 120
 gcgccttttt gcaacttcgac cttgctcgca ggacgacacc ggcggaacgg acggagacat 180
 accaacagat tactcgacgc ttggagggtt gcaagcgggc tttgagggaa agtccatgga 240
 agggccttac cgaactaacg aataagaatg gtgcctatg tgcagattcc tcaccacacc 300
 aagcatggtc agctggatgt ctgcttgatt tgtattatga tgcatacaaga cattcacaga 360
 gctgactagc gtgttggtga tacaattttc tatcttgatc tagcgaagat catcatgagt 420
 tcgaattaga tatatgtttg tccaaactta agttaatgga aatagctttt atgtgctg 478

<210> 3874
 <211> 639
 <212> DNA
 <213> *Aspergillus niger*

<400> 3874
 ccaagacagc ttcaatctac accttgcccg ttttaaactc tagagggtcag taagaagaga 60
 cttcttttcga caagtcacat tcataacgct gtttgcttct ctttgagact caaaagtcct 120
 ctcacccact tgcttttccct cactctgcta ccaaaggact atttacttac tgcagtgatt 180
 acgatagtgt ctgccccgct accccgcctt tccagatgga catcgatcta agcagaagga 240
 ataaaaagcc ccgccctttg ctagaatctg aacgggagag attagaggaa ttcattgatt 300
 ctattcatta ttcagccaga tactcagatg accagttcga ataccgccat gtccaactcc 360
 ccaaaaaacat gctcaagaaa atacctgcag actattttga cagttcaaaa ggaacgctaa 420
 aactactgtg ggaggatgaa tggcgtgcac ttggtatcac acaaagcttg ggttggaac 480
 attatgaagt gcacgagcca gaaccacata ttctctctt taaagcgccc cttgaactat 540
 caagccgcca gtatcacagt aactcgtcag ctggaatact gttgatgcca acctgcccc 600
 gtcgcctctg aaacactaat acaacgaaga ttcaaaaac 639

<210> 3875
 <211> 592
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 3875
 caacaaccgt cgtaactccg tcgtgcctgc ttcttggggc gagacctctg ccagcagcgt 60
 gcccggcacc tgtgcggcca catctgccat tggtagctac agcagtgtga ctgtcacctc 120

gtggccgagt	atcgtggcta	ctggcggcac	cactacgacg	gctaccccca	ctggatccgg	180
cagcgtgacc	tcgaccagca	agaccaccgc	gactgctagc	aagaccagca	ccacgagaac	240
atctacctgg	tcggatcgat	ctctcagctg	ggtgactggg	aaaccagcga	cggcatagct	300
ctgagtgtctg	acaagtacac	ttccagcgac	ccgctctggg	atgtcactgt	gactctgccg	360
gctggtgagt	cgtttgagta	caagttttatc	cgcattgaga	gcgatgactc	cgtggagtgg	420
gagagtgatc	ccaaccgaag	aatacacccgt	tcctcaagcg	tgcggaacgt	cgaccgcgac	480
ggtgactgac	acctggcggg	tanacaatca	atccatttcg	ctatanttaa	aggatggggg	540
atganggcaa	ttggttatat	gatcatggta	tgtantgggg	tgtgcataat	aa	592

<210> 3876

<211> 609

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(609)

<223> n = A,T,C or G

<400> 3876

gcccgttacc	gtcgtctctgc	gtgaaatccg	tcgttaccag	aagagcactg	agctcctgat	60
ccgcaagctg	cccttccagc	gtcttgtccg	tgaaattgct	caggacttca	agtcggatct	120
ccgcttccag	tcctccgcca	tcggtgctct	tcaggagtc	gtcgaggcct	acctcgtctc	180
cctcttcgag	gacaccaacc	tgtgcgccat	ccacgccaa	cgtgtcacca	tcagtcacca	240
ggacatccag	cttgcccggc	gtctccgtgg	tgagcgtctc	tagatttact	tctaattgagt	300
cgattctttt	tctggttggg	aaggcgataa	cgggggtttct	ttttctttta	ttttcatgac	360
tactggcgat	acatgatggg	tttgccaatt	ttaacgggtt	tcggcactgg	gttttcgtta	420
tttcttgctg	cgcaataaat	agtagctgcc	gattcagcgg	ctgggtggaa	ttgatcatgg	480
ggatgcatcc	gaatatgtac	attaaagaaa	gctttttattc	gacgtgactt	ccttcggggag	540
cgccaccgga	tggcatagac	gcgaaatgca	agtatctatg	gaacaatnca	acccgggtttg	600
agaatcgcg						609

<210> 3877

<211> 576

<212> DNA

<213> *Aspergillus niger*

<400> 3877

agtttcgccga	cgaaaacttc	aagctgaggc	atacgcgcaa	ggggctcctg	agcatggcca	60
acgccggcaa	ggacaccaac	ggctcccagt	tcttcatcac	caccgttcc	acaccttggc	120
ttgatggccg	ccatgtcgtc	ttcgggtgaag	tgctcgaggg	ctacgagatc	gtcgtcaga	180
ttgagaacgt	gcccaggggc	cgttctgaca	gaccctgga	gactgtcaag	atcgtaaga	240
gtggagagtt	ggagtctgag	gacaaggctg	gagaaaaagg	tagcagccac	gaggagctgt	300
agacctgttt	cctgaggtct	cggcctgctt	ctcgataaga	ctgtgatgtg	ctgatcgctt	360
gtaaagaaac	gagctccgaa	gaagagtcac	aaccttcagc	aattgctgtt	attccttctc	420
caaccccttt	gcctatgaca	tctgataacg	ctccttatat	tttcccgaaa	ttcgcaacgc	480
ttgccattgt	tgtcgggtctc	ctggttgtcc	tggtccgacg	cagcttcaag	ggagaacaag	540
agaaggtgaa	agaagtattg	ttgatagaaa	aaaaaa			576

<210> 3878

<211> 292

<212> DNA

<213> *Aspergillus niger*

<400> 3878

acagaaggca	tttatgatgg	tcgcgtgggtg	gtctctat	ctgtacggcc	ttcaggtcgc	60
ggcacctgct	ttggctgcaa	cgcctgcgga	ctggcgatcg	caatccattt	atttccttct	120
cacggatcga	tttgcaagga	cggatgggtc	gacgactgcg	acttgtaata	ctgcggatca	180
gaaatactgt	ggtggaacat	ggcagggcat	catcgacaag	gtaaatggcc	cctttatcaa	240
aaaaaaaaagaa	ggaaaaagcag	aagaaaaata	aaataaaaaag	aactctagtc	ct	292

<210> 3879
 <211> 346
 <212> DNA
 <213> *Aspergillus niger*

<400> 3879
 atcaccccca tgggtggctt cgttcactac ggtgaggtca agaacgactt cgttctcctt 60
 aagggttccg tccccggtgt taagaagcgt gtcattgaccc tccgcaagac cctgtacccc 120
 cagaccagcc gcagggccac cgagaagatc gagctcaagt ggatcgatac ctccctccaag 180
 ttcggtcacg gtgctttcca gacccccgag gagaagcgtg ccttcattggg taccctcaag 240
 aaggacctgg agacttccgc ttaaggtgtt tatggaaatg gttcgggtga gtgcaaatta 300
 tattacgttt caataaaagc gaagaatacc tttcaaaaaa aaaaaa 346

<210> 3880
 <211> 629
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 3880
 ctccctatat ttttcgccaa ctcaccaccg gctctgtttc ttctctttct tcttctgttc 60
 cctcaatcgt atctcagtga cttcattggt atactctcaa atccatcaaa atgtcttccg 120
 agcagacctt cattgccatc aagcccgacg gtgtccagcg cggactcgtt ggccccatca 180
 tctctcgctt cgagaaccgt ggcttcaagc tcgttgctct gaagctctgc tcccccgcc 240
 gtgagcacct cgagaagcac tacgctgacc tcaaggagaa gcccttcttc cccggtctcg 300
 tctcctacat gctctctggc ccatctgcgc catggtctgg gagggcccg gacgccgcaa 360
 gaccggccga acaatcttgg tgcaccaacc ccttgccctc gccccggacc atccgtggtg 420
 actacgccat cgacgtcggc cgcaacgtct gcacggtccg actccgcgag aacgcccaga 480
 aggagatggc cttggtctcc ccagcgagct cacagtggaa cactcccagt tcgactggat 540
 ctacgagaag cctaaatatt ccggcaagtc gcgctgacg ctgattccgn tcgagttgag 600
 atnanagacc tcggtgaata aactcaaga 629

<210> 3881
 <211> 604
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

<400> 3881
 gcaaagaaca acaacgcaag ctcgtttgaa tttgcaagag atgagcgaga agcacatgat 60
 ttatggtctg cgcgaaaaca atcgctatgg agtatgctgg cgctaagaga gcgaggatcc 120
 gaagtatggt caaccgacgt ttccgtaccg atctctagat tgccagacat tattgaaatc 180
 tccaagaaag aactcgatga cttggaatc tttgccagta tccctgggca tattggagat 240
 ggttaacttc acgcaagcat cttatatgat cgcactatcc aagaagaaag ggagcgagta 300
 gaaaagggtt tgtacgacat ggttgatcgt gcattggaaa tggaaggctc ttgactggt 360
 gaacatggtg tgggattggg gaaagaaaga ttcgcttgaa gaaggantcg gccactacc 420
 gattggaatt atgctctat caagaaagnt tttcgacca cacttggnat ttgaacctgc 480
 aggacttcga ttttgagacn aacatagatg gacatctagc ttttaactgag gntgctttt 540
 ccagcattac tttggtggcc gaatatgnon tttaaaggtn gaatctagna ctttgntttt 600
 tacc 604

<210> 3882
 <211> 614
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 3882
 aacaagtctc tgtccaagaa gctttgcatt gaggggtgttg gaggtgtcca cgtccagaac 60
 accatgagcg aggaggctgc tgtttgccgt accgactacc ctggtaccga atccgagacc 120
 atccctctcg ctgtcgctgc caacagcgaa cttcaccccc tgacttgccc caacggcgcc 180
 acctactaca agtgggagaa ccagaccact tccgctcagt actatgttaa cccaagggt 240
 gtttccaccg agactgggtg ccagtggggt aacggcagcg ctctatcgg taactgggct 300
 cctatcaacc ttggtgctcg ttacaacgat ggcaagtggc tttctctgtt ccagaacagc 360
 cctaccacca ccaccaagct tgacttcaac gtgaagatct cgggtgacaa cctcagcggg 420
 tcttgcaagt acgaggacgg taccttctac tccgagtctg gcttcaacga ctccggttgc 480
 actgttgang gtctctccgg ttccgncacc tatgtcttct actaangtag tcgaggggcc 540
 gacacccttt cgnogctcgc gtccgattcg gntcgcgtcc gctgatttgg aatcgaacct 600
 cgtcggctcg caaaa 614

<210> 3883
 <211> 520
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = A,T,C or G

<400> 3883
 gttttctact cctacactcg atcttaccga cgtcgtcgac acatccctcg agatacctca 60
 tatecttcga ttctctgatt tgagaatctc gattccacac cgtcaaaatg gtcaagactt 120
 ccgtcctcaa cgatgcgctt aacgccatca acaacgccga gaagagcggg cgccgtcagg 180
 tcttgatccg cccttctctc aaggatcatca tcaagttcct ttccgtcatg cagaagcacg 240
 gctacattgg cgagttcgag gaggttgacg accaccgctc cggcaagatc gtcattccagc 300
 tcaacggccg tctgaacaag tgcggtgtca tcaacccccg ntccccgttc agtccgtga 360
 cctcgagaag tgggccactc agttctgcct tccgtcagtc nggttacgtt gtctgacacc 420
 tccnttggtg tatggaccac gagggaggtt gccgaagcac gttgccggca actcctnngt 480
 tctctactaa aaagttacct tggaaacttt tttgatggca 520

<210> 3884
 <211> 620
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 3884
 tgacttggtg gttttcgtgt gcgtttgcct ctattagaat tgtttgaaaa tgaaggctta 60
 ctggtacgat aacaagccgg gcgaccagcg cgaacccac gacgacgggc gtcccgctga 120
 cgaagcttac ctgcctctc tgggtgtctt ctacaagtac tgcccagca tcgaggacgt 180
 cgacgccctg gccgccgagc gcggatacaa gaaccgcgat gaggtcaccg tgtcccccaa 240
 gaccatgggc gatgtgtacg aggagaaggt gaagatgttc ttccacgaac atctccacga 300

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ggacgaggaa atccgctaca tccgggatgg tgagggatac tttgatgtcc gtggcaagga 360
ggacgagtgg gtccgcatta agttgggtgaa ggatgatctg attattctcc ccgcgggtat 420
ctaccatcgc tttacgacgg atgagaagaa ctatgtcaag gctatgcgtc tcttccagga 480
ggaacccaag tggactccct tgaaccgtag caacgaactg gatgagaacc cgcaccgtgt 540
gtcctacctc ggtaatctgg ggtaangctg ctgttgctgc tgtttaaaat aaatctgggg 600
ggtggcaatg taaancttga 620

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<210> 3885
<211> 619
<212> DNA
<213> Aspergillus niger

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<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

```

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<400> 3885
gataccaatg ataccgcga tgacaatggg gacaatgttc ttgacgatca ggtctggctc 60
tgtcggctcct gattgcaaac gatttgggac agaaggtccc cttgtacact ggtttcattc 120
agctgggagc aggtctcgcc gtcgggtttg ctggtatggc agctgggttt gccattggta 180
tcgttggtga cgcaggtgtc cgtggaactg ctcaacagcc ccgtctctat gtcggaatga 240
ttttgattct cattttcgct gaagtcttgg gtctgtacgg tcttatcggt gctcttctga 300
tgaactcccg ttcgaggatc gacgccactt gctaaacgaa cctccttcg ttccgcgcga 360
aatggcccaa gtgaacaccc gcccgaggat gccaaaccac ctatatactc ggatatgatg 420
aacagagccc gggttgctca acatgtgtta acgtgatgcg gttattttga cttgtgtttt 480
cagactttat ttgccgacaa tgacgggttc cgtcattgnc ccgatgacag ctggagggga 540
tggggagaag tggattgctg gggggattgg aaaagagaaa acggacgtta tataacatat 600
gctttctctt tcatccaac 619

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<210> 3886
<211> 690
<212> DNA
<213> Aspergillus niger

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<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

```

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<400> 3886
ggcgattccc cgaagagcgc taggaactcg cgacaatgct tatccccaag gaagaccgca 60
agaagatcca cgagtacctc ttccgcgagg gtgtgctcgt ggccaagaag gacttcaacc 120
ttcccaagca tggcgacatt gacaccaaga acctctacgt gatcaaggcc tgcagtcgcc 180
tgatctcccg cggctacgtc aagaccagcgt tctcctggca gtactactac tacacctca 240
cccccgaggg tcttgactac ctccgtgagt ggctccacct ccccgctgag gttgtccctg 300
ccaccacat caagcagcag cgttccacg ctccccctcg tggcatgatg ggcggtgagg 360
agcgtgagcg tcgtccccgt gctcctcgtg aggggtggcta ccgcgcgcgc gagcaggaca 420
aggagggcgc cgcccccggc gagttcgctc ccagcttccg tgggtgattc ggccgtggcc 480
gtggtgctcc ctctcctaa ggggtgtcgc ctgccggtct tccaagggtc tattgggatt 540
gttgccggtg tggcttgaac gactttgaaa gaagtcggga agctatgcta tgcacgtcct 600
aaaaaagaag ttatgccaag ctactgtttc acagtatatga catagttagg attaattggca 660
tgatttcatg actcaaaaaa aanaaagatt 690

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<210> 3887
<211> 656
<212> DNA
<213> Aspergillus niger

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<220>

```

<221> misc_feature
 <222> (1)...(656)
 <223> n = A,T,C or G

```
<400> 3887
gggcaagtga ttccttttgcg ttgaggcctc tttagaaccg ctacacacgt taaaccacaca      60
tttttaaaca tgtctgagac ttctgcccgc tggggccctc gccgatgagg gccttaccaca      120
aaacctcctg gaccttggtc agcangccgg tcactaccgc cagctgaaga aggggtgctaa      180
cgaggccacc aagactctta accgtggtac ctccgagctc gttatcctcg ctgccgacac      240
ctctcccctc gctatcctcc tccacatccc cctccttgct gaggacaaga acaccctta      300
tgtcttcgtg cccagcaagc ttgctctcgg gcgtgctacc ggtggttccc gccccgtgat      360
tgcgggcagt atcaccacca acgaggccag tgacctcaa ggccaagatn aagaccatca      420
aggacaangt cnagagactg atgatctaag cgttggtcct gttgtggnaa ccctccggag      480
gattatgcct ccgcggggtt ctaagaagga atctaattggg acttcnggag tttggcgggc      540
atgacagacg angttttcgc cccanaagtg cgaaaaacaa gttgtcgatg aatggggttg      600
attgctaacg ggtggctcaa attgggatgc tgttgggcgt ttgtgcnctt gggaat      656
```

<210> 3888
 <211> 802
 <212> DNA
 <213> *Aspergillus niger*

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<400> 3888
caactcccag cgccagcccg cgagacgacg acaagatggt cctcgcaaag aagcacgtcc      60
ccatcgtaaa gaagcgcacc aagcgtttct ggcgccacca gtccgaccgc ttcaagtgcg      120
tgccggagtc atggcgcaag cccaagggta tcgacaaccg cgtccgtaga cgcttcctg      180
gcaacatccc catgccctcc atcggctacg gatccaacaa gaagaccaag cacatgatgc      240
cctccggcca caaggctttc ctcgctccaca accccaagga cgttgagctc ctggtgatgc      300
acaaccgcac ctacgccgct gagatcgacg cgccgtctyc tcccgcaagc gcgtcgacat      360
catcgccaag gccaaaggctc tcggcgtaaa ggtcaccaac cccaagggcc gcgtcaccac      420
cgaggcttaa atggatatgg aatgaatgta aagaaagccc aagaaatttc atcattttca      480
ttttcatttt tcattaaact ctttccactt ataccaacca aatgggaacc aaccactttc      540
gggggacata aaaaagcagc aacagcaact acttcactgt ggtagtggag tggcttggtt      600
gttggtgatt gggacttgcg gagccttgaa tcacgcacac ttctaattgtg ggctttggct      660
ttgacgttga cgacgtatgt gctggattgc agcgtttatg atgattgatt tacatgcatg      720
tgggtctttt gtcatggcgc ttgtggctgt ggctgggtgt gccagtctgg gaataaaaaat      780
caaaatctta tgaagaaaaa aa      802
```

<210> 3889
 <211> 600
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

```
<400> 3889
gagtaaattc tggatagtgg cgtcgaagcg gtggttcctg ctttcaccag ctgggaactt      60
tctacggctg gattcatcta ctggttcttc atccccgcac tgcagttcat ctggggcggt      120
tgcgtcgtcg atacctggca atacttcctg catcgcgcga tgcacctgaa ccggtggctt      180
tatgtaacct tccattcccc ccaccatcgc ttatacgttc cctatgcttt cgggtgcttc      240
tacaaccatc ccgttggaagg gttccttctc gatactgctg gcaccggcgt cgcattcctg      300
acagcccgga tgtcgaatcg ccagagcatg tggctctnac tttccacca ttaagacggt      360
tgacgatcac tgcggctatg ctttccttgg gatccgctga acattttacat ncaacaatgc      420
cgttaccatg acattaccac caaactgggg catcaagacg aacttttgca gctttcttnn      480
aatctgggat cgtgggtcgg nacccatggg aaggcnatgt gaantacctt cgaacgttcc      540
ggaatccgtt anaaacantt ggnatgatgt aantccgccc aattcggcct gaactcggan      600
```


<210> 3890
 <211> 625
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 3890
 atcacaacaa cttcatcaac aattccttcc tcttcccaca aaataactca aaccagtccc 60
 aacacaatgt cctggtacca aaaatccttc actctgcctg cccgctcgcg cggcagctac 120
 ctcacacaccg accacgtcct cgagcaactc cccgagatca agaactacaa ggtcggcatg 180
 ctgaacctct tcgtgcaaca caccagctgc gcgctctccc tgaacgagaa ctgggatgac 240
 gatgtgcgcg ccgatatgag tgatgcgctg gatcgcatcg ctccttatga taagaagggg 300
 aacctgtata nacattcggc tgaggggggag gatgacatgc cggctcatat caagtcagcg 360
 ttgattggcg cttcggttac gattcccatc tccaatggac gcttggctac gggtagctgg 420
 canggtatgtt gggtagcttg agttcagggc catgagacac tcccgggagg tggtagctac 480
 gattcaaggt gagaaggctt gacttaatgc ttgtggtggg tagangtggt ggtggtgagg 540
 gaagtgcggt tgtgantgtg atgccaattg tgtagagtat aatgtgtctg anttgggtga 600
 gaaggatggc gtacgtttgg gataa 625

<210> 3891
 <211> 613
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 3891
 gcgagatgat ccatccaaag gtgacatgca taatcgacaa gcaactgtccc tggggatggt 60
 atggaagagt ctcaaagact atgacctctg gccgatatat atcatcgga tcatgttcga 120
 aatcccgact tcgccaccaa agtcttattt gaccttgctg ctgaaggcaa tcggcttttc 180
 cacattccaa acgacctct tgtccattcc cgtgaccgtc ttccgctcta tcaatcttgt 240
 cctcgctcgcg ctcttatctg agttctgggg acaaactctca attgtgtgcc ttctaacaca 300
 gttgtggctg cttccactcc tcattgtact ctacacatct gccggaagcc tctccaactg 360
 ggggctatat gccgtctcgt tcactcttact gggctggccg aatcctcaag ctgccaggt 420
 gagttggtgt tcgcgattaa gcaacagtgt gagaaccaga gcagtcaagt gcagcaattt 480
 tcaatattat gattcaactt tctggaattg cgtcttcaac atttaccggg cggatgacaa 540
 acctttctac cgncgaggaa atagacaact gatcgcgatc aatgttgcca ctatggcatg 600
 taccctgttg gca 613

<210> 3892
 <211> 628
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 3892
 gtcgacaagg gcaagctcgg tggaaccatg cgtcttggca gacacccctg cgtcttccag 60
 gagaacaccg agtgggtctg tctgcggagt ctgtacggac cctccgtctc gcagattgag 120
 gagcgccacc gccatcgcta cgaggtcaac cctgagatga tcgagcagat cgagaaggcc 180

gggtctctcct	tcattggaaa	ggacatcaag	ggtgagcgta	tggagattgt	cgagatcaag	240
gaccacccct	ggttcgtggg	tgtgcagttc	caccccagat	acctcagtcg	ggtccttgagc	300
cccagccggg	ctttctctcg	tttctttgcc	gccgctgcgg	gatgcctcga	tgaggtctcc	360
aaggcagttg	ttcaggggtca	gcggagcatt	ggccgcaagc	aatagatctc	tttggcggag	420
gagcggtatt	ttgctggagt	tctggtgaga	aggatactgt	tggcgggtaca	caccgtctgg	480
gtttttctgn	tgtctgtctg	gggcaggtct	tgagcgctgc	ctcatgccgt	tgaggcagcc	540
ccaatctata	cgacttcagg	cccgtatggc	angatcgctg	gaggataccc	tttgacaaa	600
acctgaacgt	ncccaagtcg	atcangta				628

<210> 3893

<211> 609

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(609)

<223> n = A,T,C or G

<400> 3893

cttcgcatcc	tcctcttttt	agatctccta	aataacacat	ccgtcaaaat	ggccgacttc	60
cagagcatcg	cacagcaatt	tgtgcaattc	tactaccaga	cctttgacgc	ggaccgtcag	120
cagctggccg	gtctctaccg	cgataactct	atgetcacct	tcgagactgc	ctcccagatg	180
ggtgttgccc	ccatcatgga	gaagctgacg	agtcttccct	tccagaaggt	ccagcaccag	240
atctccactc	tcgatgctca	gccctctgtt	aacggcagca	tcacgtcat	ggttaccggt	300
gcccttatcg	tcgacgagga	gccccgcca	tgaactacac	ccagaccttc	actctcaacc	360
ccgaggctgg	cagctactac	gtcttcaacg	acatcttccg	tctcatcatg	ggttaaattg	420
cgacgcaggg	gattggcggg	gatttgatgt	gacgtgtgtg	atgggtgatt	tanggggccc	480
atggcttggc	ctattcaagt	aggcagcttt	tatgagatga	agataatgaa	ttaagttata	540
agaggatcga	cacgtgcttt	tggttgctgg	gttnaatcta	ttcccttcc	tcattgngaa	600
aaaaaaaa						609

<210> 3894

<211> 630

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 3894

cagagattta	attctctccc	ctcgetcact	tcctatacac	cgtttttaag	ggccggtttac	60
gacgaaaggc	cgagtttatg	tccatcgaaa	acctcaagac	cttcgacccc	ttcgccgaag	120
ctgacgaaga	caccggcgag	actaaacagt	ctcaaaatta	catccatata	cggattcaac	180
agcgcaatgg	tcgtaagacc	ttgaccaccg	tccagggtct	tcctaagaag	ttcgatcaga	240
agaagatctt	gaaggtcatc	aagaagaagt	tcgcctgcaa	tggcaccatt	gtcaacgaca	300
ctgagatggg	cgaggtgatt	cagctgcagg	gagaccagcg	taaagatgtt	caggagttct	360
tgaccgacaa	gaaggagggt	ctcgagctgg	acgccaagac	catcaagggtc	cacggtttct	420
aagccagacg	ccacgcccc	gttcgggtcc	cttcttccag	tctacgttcc	cctcagagcg	480
gtgcggtagg	ggacagtatg	tgcccacctg	cccttctgat	gtggcattgc	ggttccggca	540
ctggcacgag	ggttggctcg	ctgatataatt	ggctgntggg	attaccgntt	tttacccgga	600
atactggact	tgggcctttt	gncgaattga				630

<210> 3895

<211> 609

<212> DNA

<213> *Aspergillus niger*

```

<400> 3895
ccaacttcac aatgagcgcc caggcatact acgagctcta tcgcgggagc agcctcggac      60
tctccctgac cgataccctc gatgacctga tcaacgaagg acggatcgag cccagctcgc      120
ccatgaagat cctctcaact ttgatcgcg tgatcacaga ggtgctggca gacaaagtgc      180
gcgctcgtct gactttcaag ggacatcttg atacctaccg attctgcgac gaagtgtgga      240
cattccttat caaggacgtt actttcaagc tggataacca gactacggtc tccgcggata      300
aagtgaagat tgtgagctgc aatagcaaga ggcctgggtga agcctaaggg tgagggatcg      360
tttaccttgc gtcacatcggtt gatactctcg ttacctcact tcctcacact ctttttttct      420
ccttccgcca cttgctttga taggcgttgt tgaacctata tttcttctgt tttactcttc      480
atgtggattg ctcttttgtg cccgggacat ggcaagttgc ttgatatggg gctttatcat      540
atttttggcg tttcgcgtta gcatatgagg ctgaattatg gatttgctat ggtgctacta      600
gaatagatt                                     609

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<210> 3896

<211> 417

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(417)

<223> n = A,T,C or G

```

<400> 3896
aagtcacagc cacggcgaga acatctacct ggtcggatcg atctctcagc tgggtgactg      60
ggaaaccagc gacggcatag ctctgaatgc tgacaagtac acttncaagc gaccggttct      120
ggtatgtnac tgggactttt gccggttgtg aagtcgtttg agtncaagtt antcncatt      180
ganagcgnatg actccgtgaa gtggaagagt gntcccaacc gagantacac cgttcctaag      240
gcntgcggaa cgtnaaccga acggtgactg acacctggcg gtagacaatc aatccatttc      300
gctatagtta aaggatgggg atgagggcaa ttgggtatat gatcatgtat gtagtgggtg      360
tgcataatag tagtgaaatg gaagccaagt catgtgattg taatcgaaaa aaaaaaa      417

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<210> 3897

<211> 606

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

```

<400> 3897
gagaccttgg gcaagggtag aatgacctg aaccccttcc acacagaccg ccaggctctc      60
tcgcgcgtat cagccgcagg cctgctcacc gtcctgggtg ccatgatcga tgccaagcaa      120
ttcgtcctcg ccgaacacca ctacctctc tacttctctc tcaccgccat gtacccacgc      180
ttccttgtca cgctcgacga agacctgcag cctctcaccg tcaatgtccg ggtcggtcag      240
gctgtggacg ttgttggcag gcggtcgcc caagaccatc accggctggc aaacacagag      300
cacgccggtg ctgctggcta tggcgaacgt gcagagctcg aagacgagca gtacattcct      360
cttacaagac cctggagggt ctggtcatct tgcgcaagaa cccaactggg aaaagttcca      420
ctnngtctaa ggtccttcga cgtgacacga cttgtgggtg actgacaagg ggatatgntc      480
aggctctggat tcatgnatca gaccaatgga aatncaggac cgatgggnata tgtcgactnt      540
nattaaactg tgattggacg gtgacatgta gatgattcag gttanttgnt gaaactaatg      600
aatngt                                     606

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<210> 3898

<211> 483

<212> DNA

<213> *Aspergillus niger*

<400> 3898
 tggccatacc ggtgagcttg ccgttaaggg tagggcacca gctacgacga gatcaagaag 60
 gccctcaagg acgcttccga gaacgagctc aagggcatcc tcggctacac tgaggacgac 120
 atcgtctcct ccgacctgaa cggtgacgac cactcctcca tcttcgatgc caaggccggt 180
 atcgccctta actccaactt cgtcaagctc gtctcctggg acgacaacga gtgggggttac 240
 tcccgcgctg tcgtcgacct cattgcctac atctccaagg ttgatgcca gtaggaatca 300
 ggacggcaaa ctgaattcag aagtgtgctg tgagtgaagc tgattgccga gcgcagacga 360
 ctctcgtgga acccggttg tggagaagct tgagaaggct ttaactccta gcgtaaaagc 420
 tcatgatgac gtacaattta atgaaatgat acaatgttca tatttcccgt tcaaaaaaaaa 480
 aaa 483

<210> 3899

<211> 476

<212> DNA

<213> *Aspergillus niger*

<400> 3899
 gtccgcctga ccatccagaa ccgtcaggcc ggggtctccg ttgtgccctc cgctcttcc 60
 ctggtcatca aggccctcaa ggagcctccc cgtgaccgca agaaggagaa gaacatcaag 120
 cacagcaagt ccatccctct ggacgagatc atcgagatcg cccgcaagat gcgccaccgc 180
 tctcttgcta aggagctcaa gggtagcgct cttgagatcc tcggtagcgc tttctccgtc 240
 ggttgccagg tcgatggccg cagccccaag gacgtctccg acgacgtcaa ggctggcgag 300
 atcgacatcc cctccgagta aatgattcaa attcgcgcg gtctgtggtt tttaccggca 360
 tgctagttag ggaatatgat catcttattc gaaacaaaat tgtcttatga gacatgactt 420
 tagattcccc atttctgttc tttcgaattc gataagtgtt ttcactcgaa aaaaaa 476

<210> 3900

<211> 500

<212> DNA

<213> *Aspergillus niger*

<400> 3900
 gccggagcgc acttctctca acaaccacat taaaccttta gaagttaa cttcagcgta 60
 acgatggccc ccaagagcaa gaagaccggt gacaccatca actcgcgctt ggcgcttggt 120
 atgaagtccg gaaaggctac cctcggttac aagtccacca tcaagacctt ccgctccggc 180
 aaggccaagc tgggtcatcat cgccgccaac actcctctc ttcgcaagag tgagcttgag 240
 tactacgcca tgctcgccaa ggcccccgct caccacttct ccggcaacaa catcgagctc 300
 ggtaccgcct gcggttaagct cttccgcacc tccamcatgg ctatcctcga tgctgggtgac 360
 tccgacatcc tgtccagcca gtagggtgtaa agcctagtca atggattcat gttatgtctg 420
 aacggcggtg tgccatgatg cacaacgtca cggcacgatt tagataatga caatgaactt 480
 tacatctata aaaaaaaaaa 500

<210> 3901

<211> 594

<212> DNA

<213> *Aspergillus niger*

<400> 3901
 gtgggtccgtc gacagccgac acttctgtcc ctcatcctaaa atgtccgccc ccgtcaagac 60
 cggcaagaag actcgctcgg ccacgcgccg cgttgctact cgcgagtaca ccatcaacat 120
 gcacaagaga atgcacgggtg tttccttcaa gaagcgtgct cctcgtgcta tcaaggagat 180
 ccgcgctttc gccaccgctg ctatgggcac caccgacgct cgtgtcgacc ccagctcaa 240
 caagaaggct tgggaagccg gtgtcaaggg cgtcccctac cgtctccgtg tccgcatctc 300
 ccgcaagcgt aacgacgagg agggcgccaa ggagaagctc tactcctacg tccaggctgt 360
 caacgtcaag gatgtcaagg gtcttacacc gccgttgctg atgaggagta aattactctt 420
 ctctttgatc gatgaaaaaa acaacatatg tatcttattc cccaaaaatg aagccagatt 480
 ctttgcaagc ttgacgggtt tcttttttca tgatggwtga tgcaacggga cgggggttcg 540
 ctttttgtaa gagatataaa aaattcaaat cmcaattttt ggtaaaaaaa aaaa 594

<210> 3902

<211> 436
 <212> DNA
 <213> Aspergillus niger

<400> 3902
 ggaacaccga aaatgccgac ccccgaaatcc gcctccttcc tggccaagaa gcccaccgtg 60
 ccgccgacct acgacggcgt cgacttcgaa gacaacgtcg ctgtccacaa cggccgcgac 120
 gccattatcc gtgaacaatg ggtccgcagt atgatgtctc gactggtcgg ggaggaattg 180
 ggaaagtgtt atgcgcgtga gggcggttaat catttgagaa agtgtggggg tttgagggag 240
 aagtacttcg agttgctggg cgagcgcaag atcaagggtt acttggtcca ggagaagaac 300
 tactttgctg gggaggggaaa caagtctgct tagattttgc tcggtggatt gaattgaaat 360
 tgggtttgca ggggtttctgt gttatgttat gtgatataca atatatgcat tgtggtttct 420
 tttcctaaaa aaaaaa 436

<210> 3903
 <211> 510
 <212> DNA
 <213> Aspergillus niger

<400> 3903
 ccatcttcga ctcaacagcc gcacagagac aagatgacga agcgcaccaa gaaggctcgg 60
 atcacgggta aatatgggtac cagatacggg gcctccctgc gtaagcaggt gaagaagatg 120
 gaagtgtccc agcacgcccg ttacatctgc accttctgcg gaaagaacac cgtcaagcgc 180
 aaggctgttg gtatctggga gtgcaagggc tgcaacaaga ctgttgccgg tgggtgcctac 240
 actgtctcta ccccgccgc tgccgcact cgctccacta tccgtcgtct cagagaaatc 300
 gcggagggtt agatgtgata atggggataac cttttctatt acgttttaaat tcaaaaatga 360
 gaaaatgaga tctggagaat ttcaataagc gaatgtctct taccacgaag cccgctagta 420
 cgatgttggt agcgccaact gttgtcgttt gaacacaaga ttcttcacca atagatttaa 480
 ttaccatcgg tgattccaga caaaaaaaaaa 510

<210> 3904
 <211> 592
 <212> DNA
 <213> Aspergillus niger

<400> 3904
 gccaccatg tcgtccaagg tcaaggctgg tcagctctgg ggaaagagca aggatgacct 60
 caccaagcag ctggaggaat tgaagaccga gctgagccag ctccgtgtcc agaagatcgc 120
 tggcgggtgc tcctcgaaga cccacagaat ccacgacgtt cgcaagtcga tcgctcgcgt 180
 tctgaccgtc atcaacgccca accagcgcgc tcagctccgc ttgttctaca agagcaagaa 240
 gtacactcct cttgacctcc gcccgaagct caccgctgct ctccgcgcgc gtctcaccaa 300
 gcacgaggct accctgaaga ccgagcgcaa gcgcaagcag gagatccact tccccagcg 360
 gaagtacgct gttaaggctt aaatgcttaa gacggggctg tctctggatc tggatggagt 420
 taacgggaac gtcgtttaat gatgacgggt tgacctaac ttgccgtgag gggggctcga 480
 ttcattcaaaa cgggtttctt tgaaaaaaga aatcgattat gtatcttaga aaaaagaaga 540
 tgcagatcga tgtttttaaa tgaaggcctt gcttgacatg aaaaaaaaaa aa 592

<210> 3905
 <211> 548
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 3905
 atttttcaag tttgcgggta cccctgttgg cgtgaaggag caaataaaca tgggtgcagaa 60
 gattgtttct tctactgcgg gccggtcctt cgagtttgcc cgagggtgaga gcgaaatgca 120

agaactctgg	agcgcccgga	aacaagcact	atggagcgtt	atgtccatga	ggcgagggtcc	180
tgaggaccat	gtctggacga	ctgatgtggc	tgtccctata	agcaaattac	ccgaaatcat	240
cgaggccacc	aaacaagaca	tgactgaaag	tggtttgttg	gcgggaatgt	gcggtcatgt	300
cggcgacggc	aattttcatg	cgatcatcct	cttcaataaa	gacgagaaag	caacaccgag	360
gccgtggtcc	atcggatggg	aaagccgggt	gttgactaga	aggtncagtn	ctggccaaca	420
cggagttggc	ctcttnaacc	ggattacctg	cacatgacta	gggaagtcga	cagtggttct	480
ttgcgccggg	tnaaatactt	ntgacccctt	tgntgnttaa	tgcgataaat	tttgcggttg	540
accaccgg						548

<210> 3906

<211> 560

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(560)

<223> n = A,T,C or G

<400> 3906

cgacgacgcc	gccgccaatc	tcttgagacc	accgacctag	aggttcaagg	acagacaaaa	60
tggcgaacaa	cagactccaa	taccgcgcgc	ggaaccgcga	caacacgcgg	tccaaccagg	120
tccgcatcat	caagaccccc	ggcggtgagc	tccgttacct	tcacatcaag	aagaagggca	180
ctgctcccaa	ktgcggtgac	tgtggcatca	agctccctgg	tgtccccgcc	ctccgcccc	240
gcgagtacgc	tcaratctcc	cgccccaaaga	agaacgtcag	ccgcgcctac	rgtggttccc	300
gctgcgctgg	ttgcgtcaag	gaccgcacgc	tccgtgcttt	cctgattgag	gagcagaaga	360
tcgtcaakaa	ggcctcaag	gagtctcasg	agaaggctgc	cggcaagcgc	taaatgcac	420
atcatatcaa	ataaatgggtg	ttttttgtga	ttasaggagc	gaatatggaa	aattttttaa	480
aatttggntc	ggtaatgggt	cntttcttca	attgaacaca	aatggcggt	aanaaatga	540
cancgacggg	gtaatatgta					560

<210> 3907

<211> 552

<212> DNA

<213> *Aspergillus niger*

<400> 3907

ccaatacctc	gttgaagact	cgcgtgagcg	aattggagtt	tatcaatgaa	ctgttccggg	60
gccgggtgac	ggaactggag	cagagcggcg	cgactgcgcg	ccgatcggag	atgatcgctc	120
gggactcggg	ggtacggctc	cggcgggtct	tggaggaggc	ccaacggcgc	gaagacgatc	180
tgaacgggag	gatctctgag	ctggagcgcg	agcttaccga	ccaaacctcc	tctgcccaacc	240
cggcggggcaa	tgacagtccc	ggtgagccgc	tggccaagcg	gatgcggctg	tccgacgctg	300
tggagcaacc	tgccgagtcg	caacaaaatc	ccccaaagag	gtctaactct	cacgggctgg	360
ggggcctttgt	tcggacgatg	gacgcgcgatg	agtgcgcgtg	gcagcaccga	cgtaaacaaa	420
tgcgcacata	gtttgcgggtg	ctgcgttctc	tgatcttccc	ggtctctttg	atacctttac	480
gagtcttggc	atttggctgg	ctggatatcg	gataactacc	taattatata	caccttcttt	540
gagaaaaaaa	aa					552

<210> 3908

<211> 444

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 3908

cgcacagaga	caagatgacg	aagcgcacca	agaaggtcgg	tatcacgggt	aaatatggta	60
------------	------------	------------	------------	------------	------------	----

ccagatacgg	tgctccctg	cgtaagcagg	tgaagaagat	ggaagtgtcc	cagcacgccc	120
gttacatctg	caccttctgc	ggaaagaaca	ccgtcaagcg	caaggctgtt	ggtatctggg	180
agtgcaaggg	ctgcaacaag	actggtgccg	gtggtgccta	caactgtctt	acccccgccg	240
ctgccgcact	cgctccacta	tccgtcgtct	cagagaaatc	gcggagggtt	agatgtgata	300
atgggataac	ctttttctatt	acgttttaaat	tcaaaaatga	gaaaatgaga	tctggagaat	360
ttcaataaga	aaaaaaaaaa	nnaaaaaaaaa	nnaaaaaaaaa	aaaattcctg	ggaacnatch	420
agcatgcatn	taaagggccc	aatt				444

<210> 3909
 <211> 503
 <212> DNA
 <213> Aspergillus niger

<400> 3909						
gcgcgatgca	agtcagtgcc	cggggtgact	tggcaaactg	gatgctgcct	ggcaagatca	60
agggtctcgg	tggtgctatg	gacctcgat	cgaaccctc	cgccaccaag	gtggtggtga	120
ccatggagca	cacggataag	aagggcgcc	ctaagatcgt	gaagcagtgc	gaattcccct	180
tgaccggaaa	gacttgctgc	agccggatca	tcaactgagct	ctgcgtgttc	gacgtcgact	240
tcacagatgg	actgacactg	gttgagctgg	ccgatggagt	caccgtggat	gaggtgcgga	300
gcaagacgga	ggcacccttc	aaggtggctg	atgatgtcaa	gccgatgctg	tagatcagat	360
tgacatgata	atcactgcag	ttctgtataa	cccggcgttg	tcatttcgac	aactgacctg	420
attttccaaa	caccatatat	gccacgccat	aaccgataat	aatgccattg	aacagatacc	480
aatttcttaa	ccccaaaaaa	aaa				503

<210> 3910
 <211> 470
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

<400> 3910						
tgagaagttg	ggaaccgcga	gcaccttcgc	tctgggaggc	attgcaggcc	ttatcactgt	60
ctatgttaca	cagcctcttg	atactgtcaa	gacaaggatg	caatcgctgg	aggccagcaa	120
gaactataag	aacagttttg	tctgcgctgc	acgtattttc	aaggacgagg	gcatcttcac	180
attctggtct	ggtgctgtcc	cacggctagc	gagattgata	atgagcggag	gcatagtgtt	240
tacgatgtac	gagaaaacca	tggatgcttt	ggatggtctc	gatccggaaa	ggcgatacat	300
ttgatgggat	acacttttggc	cagtangtgc	gacacatggt	gagaagaacc	attactatct	360
ggattaccca	atgcatgtga	attttataag	tgtgccatgt	gccatatgat	atgactgtat	420
ttacatcatg	cctataagcg	aataactgtc	tttgcggcga	aaaaaaaaaa		470

<210> 3911
 <211> 629
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 3911						
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gaactccagt	ctcgctcttt	ctcgccgcaa	gtcgcgcgcc	gcccacttca	acgccccctc	120
cagcgagcgc	cgcgttatcc	tctctgtctc	tctctcgagc	gagctccgcg	ccaagtacaa	180
tgtccgctcc	atgcccattc	gcaaggacga	cgaggtcatg	gtcgtccgtg	gcagcaacaa	240
gggccgtgag	ggcaaggtca	ccagcgtcta	ccgcctgaag	tgggccatcc	acgtcgagcg	300

catcagccgc	gacaagagca	acggccagag	cgtcccccac	ccctncaccc	ctccaacgtc	360
gtcatcaaga	agctccacct	cgacaaggac	cgtgaggcca	tccttgagcg	tgttgcaagg	420
gtcgtgaggc	cgtcaaggcc	aagtccgctt	aaatcggggg	atTTTTgtga	ggtttaagtt	480
catatctggc	aaatggcaag	tgataacgcg	ggaagttccg	gaagacgcga	acaatatggg	540
atcttgctac	agtcgggata	tatctataaa	acatgatgta	ttctgatgaa	tgaaaaacga	600
aaaaattcaa	ttttctttta	cctaaaaaa				629

<210> 3912
 <211> 616
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 3912						
ggccatcatc	accttaccga	accccgatag	ttcaggtctt	gattggcagt	ccagcctccc	60
ttgcgcatct	caaattccac	cggtcacccc	accgtctcaa	ctacaattca	agatgtcttt	120
ccagaagcct	gagaaggatt	tcggcgaggg	ccctaagggtc	cacaagatcc	gtatcacccct	180
cacctctcgc	aaggtcgcct	cccttgagaa	ggtgtgctcg	gagctgatcg	accgtgctcg	240
ctccaagtcc	ctccagggtca	aggggtcccg	cgtcttccc	accaagaccc	ttcacatctc	300
gacccgtaag	acccccaaacg	gtgaggggttc	caagacctgg	gacaagtacg	agatgcgcat	360
ccacaagcgt	ctcatcgacc	tcctcgcccc	accgagactg	tcaagcagat	catcatcaac	420
atcgaggctg	gtgttgagggt	tgagggtcacc	attgctgctt	aaatgtaccc	ctaccttctc	480
tgatggtttg	ggttcgtgac	aggggtggcg	cggacgatga	ggatatgttt	tgtgggtgctt	540
nttgcggtg	canggtgcgt	gctangcatt	tcgtcgatac	ccggcagttt	ctggccttga	600
aatgaaaaag	ttcaat					616

<210> 3913
 <211> 885
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(885)
 <223> n = A,T,C or G

<400> 3913						
aacaaaacaa	cttgataacct	ttccacacca	taccaccaca	cctatctcta	tattatatta	60
taatcaaaa	tttctaatac	catcaaaatg	aagttcactc	tcgcctctac	tcttcttccc	120
ctcctggccg	ccgctgcccc	cgcccagcag	cgcgatacca	ccaatgccac	cactccctct	180
accttcggca	tcatgtccgc	ccgctccggc	tctcccatcc	accttctccc	cttgaacgcc	240
aacagcggcg	gtttctacct	gggtggaaac	acctcttctt	actgcccgat	ctcttcgggc	300
tgccctgctg	gtactgagac	cgtttttgct	ggtgatggct	ctgctttgga	cgtcgaagtc	360
cccggcggcc	agcaagtcta	cgtcgcccc	agcggcgccc	tgaccttcac	cgtccccccac	420
tcggcctaca	tcctcgctgg	ctcgtccacc	ggcccttca	agtacacccc	cgggcaaagc	480
ccttcggcag	ctggactttc	accggtgccg	gtgctacggg	cttcatggct	tgccctgatc	540
agggtaaaca	gtggcagggtg	tttgctgsta	ctaagaatgc	taccgtgccc	agtggcaatg	600
tcgctgattg	cttgggcttt	gatgcctcgc	ctgtggctac	caatggttct	gtcgtgctt	660
gggagtatat	ctaaactact	tagtactact	tccttttcgg	ggcgggggta	gttttggtgg	720
agatggtttg	ttggttgagg	aaaagatact	agagtagtta	tagatgaagt	gggttggttag	780
tatagtgggt	gtgttcattt	ggttttatta	atgagtgttt	tgtatatgta	tgtaaatgtg	840
atcaatgatt	gttgatattt	ttgaaaaaaa	aaaaaaaaaa	aaaan		885

<210> 3914
 <211> 992
 <212> DNA

<213> Aspergillus niger

<400> 3914

cctcaagcag	gccatctcca	tcagcgctac	attcaactcc	cttcgctgat	cgactttttg	60
tctcgtcaag	atggtttctcg	cggtcgacct	cctcaacccc	gcgcctcagg	ctgaggcccc	120
caagcacaag	ctcaagaccc	ttgtgcctgc	tccccgctcc	ttcttcattg	acgtcaagtg	180
ccccggctgc	ttcaccatca	ccaccgtctt	ctcccacgcc	cagaccgtcg	tcgtctgcgc	240
tggttgctcg	accgtttctgt	gccagcccac	cgggtggaag	gcccgtctca	ctgagggctg	300
ctctttccgc	cgcaagtaaa	cgtctcgacc	caaccgtgcc	ggagcgatta	tgaaagcaat	360
gtggcgcttct	tcaatgatga	tggattaata	tatctcgttt	ttctgaggaa	acagattcag	420
atagaagatg	gaatcctcgc	cccttgccgag	aaagccctgc	ggaaccacac	agacaaggga	480
aatgaaaaaa	atTTTTgacc	aggcacagaa	cctcgttttt	gatacacctt	ttcaaaaaaa	540
gcgtttacta	ctttttatcy	tctacatct	ctgcgcagg	gagttccgga	tatctggcac	600
atgatcggtc	catactacca	aaaactactc	ttgccttata	tcttgctctt	gagttttctg	660
cttgatgatt	ttttactatt	cgccaacttg	tgttccttgt	acctacgacg	gatgtacctc	720
gaacaggggc	acgatgggga	agaatcatac	aacgccacca	gtcacgtctg	cacatgcgct	780
tctgccgggt	gccgcagga	ttcggatatt	gcggaaggag	gaaaaacaga	tttcatcgctg	840
gaagatgaat	gatggcggct	ccgggtattgt	gcgcagcggc	gtgactggct	gcaggagccg	900
gttactaagt	ctgagaggac	ggtgccggcc	ctgcagagtt	gtgataccct	cgtgcggtaa	960
caatcgtatg	ttttatttgg	tcaaaaaaaa	aa			992

<210> 3915

<211> 540

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(540)

<223> n = A,T,C or G

<400> 3915

cccacttcca	gtggatcatc	cccgaccccc	cccacggcaa	ggagatcgat	gagccccgaga	60
agattgagcg	tgatcatctg	tgctctggcc	aggtttacgc	tgctcttacc	aagcacctg	120
aagcccacgg	catccgcaac	accgccatca	cccgtgttga	gcagctgcac	cccttccctt	180
gggctcagct	gaaggagaac	ctggacagct	accccaacgc	ccgcaacatc	gtctgggccc	240
aggaggagcc	tctgaacgcc	ggtgcctgga	gctacaccca	gccccgtatc	gagactctgc	300
tgaacgagac	cgagcaccac	aaccgncgtc	acgttctcta	cgccggctcg	gcttccagcg	360
ctttccgctg	gcacttggtc	tcaagtctgt	ccatctcaag	gaggagcagg	aagttcttca	420
ngatgctttn	actgtcanca	agancgcctn	aaggcgagta	atgatgtcgt	ggaanatngg	480
tttggttngg	gagtancgtt	gnttngtctg	gcttcttgat	gatttncctt	gttaacacat	540

<210> 3916

<211> 557

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 3916

ctcaagcagg	ccatctccat	cagcgctaca	ttcaactccc	ttcgtgatc	gactttttgt	60
ctcgtcaaga	tggttctcgc	ggtcgacctc	ctcaaccccc	cgccctcagg	tgaggccccg	120
aagcacaagc	tcaagaccct	tgtgcctgct	ccccgctcct	tcttcattgga	cgtcaagtgc	180
cccggctgct	tcaccatcac	caccgtcttc	tcccacgccc	agaccgtcgt	cgtctgcgct	240
ggttgctcga	ccgttctgtg	ccagcccacc	ggtggaag	cccgtctcac	tgagggtctg	300
tctttccgcc	gcaagtaaac	gtctcgacca	accgtgccgg	agcgattatg	aaaagcaatg	360
tggcgcttctt	caatgatgat	ggattaatat	atctcgtttt	ctgaggaaac	agattcagat	420

ngaagatgga atcctngccc ttgcaaaaag cctgcggaca cacagacang gaaatgaaaa	480
aatTTTTgac agcacagaac tcgttttTga tcacctttca aaaaagcgtt actactttta	540
tcttctaaaa aaaaaaa	557

<210> 3917
 <211> 621
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 3917	
ccacccccaa cacaaaaaca ccaagaacga aatgtccgac ctcgaccgca cccccccctc	60
gacagccgcc tacgtggtcg cgacggccat cctagccggc ataacgggct acttcatcgg	120
ccaaggcagc accctaggtc tcttcagcaa caaagaaaaa gaaggctggc cgaacagcta	180
caatgtgaaa ccgcacctag actcgtcggc cgaagactac gaatccgaag aggaagaaga	240
ggacagtga gaagaaggcg acggcactga gctcgccaac ttcgatagct ccaatgaaga	300
agtgaattg gttcttgctg tgcggacgga tctgggtatg acgaagggtt aaatcgccgc	360
ccaatgctcc cacgctacac tcgcatgcta caaatacctc acggcgtaca cgcctaacag	420
cggcatcctg cgacgatggg aatcgcaagg tcaggcgaag atngcgctgc angtcaagtc	480
ggaggaggag atggaggaga tgcaagccaa ggcgattagt ttgggacttt gcgccaaggt	540
gattacggat gctggacgga cgcaaattgc tagtgggaat cgcacngtgt tgggggTTTT	600
ggganccaag agtgtggtgg t	621

<210> 3918
 <211> 416
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 3918	
tctcccttca cctatggtat gaccatccag caggtctacg accaggggtca gtgcttcagc	60
tctgctgtcc tggacattga ggagtctcag ctctctcgagg ccttctccag cgccattaac	120
accatcacca ccatctccct ggctgtcagc taccccaacta tccccgctgt catgcactcc	180
ctcgtcaaca gctacaagaa ggttcttgcc gttgctggtg agaccgagta cagctggccc	240
gagattgagg agctcaagga ccgtattgcc aacctgacg cttacgcctc cgctgctcct	300
gccgctgccg ctgccctgct gccggtggtg ctcccgccgc tgaggctccc aaggaggaag	360
aggangagtc cgatgaggac atggggctttc gggcctcttc gaactaaacg tctcgg	416

<210> 3919
 <211> 617
 <212> DNA
 <213> *Aspergillus niger*

<400> 3919	
ctcctcctcc attcttcccc cccactccac ctctttctct cttattcagg cctttttctta	60
gcctctcttt tcagcttcac ctccctgcca tcatgttccg ctccgcgctc gtccgctccc	120
tcagggcctc tgtccctcgt gccgtcaaga ctccggctcc cttccagatc cgtagctctc	180
ctgtcgctcg cccgggtcaa ttcgcccctc gctttgccta ccagggtgtc agactctact	240
ccgctcccgc cggctctcaac aaggacgagg ttgagggtcg gatagtcaac cttctgaaga	300
actttgacaa ggtctccgat gctagcaaga tcaacgggtg ctctcacttc gcaaatgacc	360
tcggcctgga cagcttgat accgttgagg tcgtcatggc catcgaggag gaggttcagca	420
ttgagatccc cgacaaggag gccgactcca tccacagcgt tgacaaggct gttgagtaca	480

tccttggcag	cccgatgctc	actaaatatg	aacgtaatgc	gaagactcgg	agtggattgg	540
ggggacttag	aatagaaagg	aaaggggaatg	ctggcgtgca	tctacatggg	acttgccacc	600
gtggaggtaa	caaggat					617

<210> 3920
 <211> 632
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 3920						
gtctggtaca	agcgcgaatt	tgaatggcca	gacgtcttac	gtctctggga	aacattatgg	60
accgattacc	tttccagcag	cttccacctt	ttcatcgcac	ttgcaatcct	cgaaaagcac	120
cgggatgtca	taatggatca	cctgaagcag	tttgacgaag	ttttgaagta	catcaacgaa	180
ctctccaata	caatggaact	cggtccgatc	ctcacacgcg	ccgaatcact	attccaccgc	240
ttcgaacgag	ccgtccaggc	catcgacaag	aaaaacaact	tccctgcacc	tgccgcccac	300
caacggaagc	ccacacaaga	ctcctccgct	agcacaacaa	ataaaggcaa	atcaccccaa	360
cgaccccaaa	atactgcctt	cagcagtggc	gtcagtggcg	gtcccagttc	agcacctgac	420
agtgaaggag	aaacaaaagg	ggtctccccg	gaactgaggg	aactttttca	caaggacatt	480
ccatggggca	cgtaaatcgc	ctccgaaaca	gcagcaagca	gaagcagcaa	ggaagagcct	540
gcgaaaagga	gaatcgtcac	cgtagagagc	cctaacctac	acctactttg	ttcctctcct	600
tcttgattcn	caatggngcc	taatgcaaat	ca			632

<210> 3921
 <211> 453
 <212> DNA
 <213> *Aspergillus niger*

<400> 3921						
gccagcgtca	agatcatcta	caaccagttc	atcaacgccc	agtcttatga	ggccgggcacc	60
gttgaggctt	actctgagga	ggctatcacc	cagtctccca	acctctctac	tttcgagact	120
gatgaccaga	ctctggccca	cctccgtgaa	tacgcccttg	ccaacaacct	cttctgggct	180
atggctgagg	gtcacgcttg	cgaaatctcc	gctcgctgta	acgccatgga	gaacgcctcc	240
aagaacgctg	gtgagatgat	caacaagttc	cagatcttgt	acaaccgtca	gcgtcaagcc	300
gccattaccg	gtgaactggg	tgagattatc	actggtgcca	ccgccagtgc	ggacatgtaa	360
aagcttccat	gaagcttggt	tggggaggag	tcgccatgtg	tgtagactta	ctcataaata	420
cctagatgct	tgtcagcctg	taaaaaaaaa	aaa			453

<210> 3922
 <211> 474
 <212> DNA
 <213> *Aspergillus niger*

<400> 3922						
ttcacggtga	ccttggttca	ggctaagccg	gagactacta	ccgccgacgg	cgagttggac	60
cacatcaagg	aggtcaagta	cattgagcgg	caggcagctc	gtcgcaccaa	gatggaaaac	120
gtggcaggat	atcgtcgggt	ggatcggtac	gtgcatgact	tggaaggata	tgacctcggt	180
ttccgctact	acgaacgtct	tgactggaaa	ggggggggccc	ctcggctcgg	agaagagcgc	240
gtttgagaga	gcgaacacgg	tgtctgtcca	tgcatgagag	gtgagaagga	agtgggagaa	300
tgatatcggt	tcttgactgt	ttccaatttc	gggttttgtc	agctgttact	ttcctatcat	360
cgagcgattg	agctttgtcc	tttttgagca	atgttagtat	ccaccttcgc	ttacggattt	420
gtggcattgt	ggttattttc	aacaaatatt	atccgtctac	ggacaaaaaa	aaaa	474

<210> 3923
 <211> 370
 <212> DNA

<213> Aspergillus niger

<400> 3923

cgcagggtgtc	cttagtatga	gcactatcga	gacggatctc	attcatgcgg	gtgaagggtg	60
tgccgagtat	gatactcaca	atctctatgg	aacaatgatg	agctctgctt	cccgcacggc	120
tatgcaggcc	cgccgtcccc	atgtgaggcc	tttggtcatc	actcgagta	cgtttgagg	180
cgctggagca	cacgtaggac	actggctggg	cgacaacttt	agcgattggg	ttcactaccg	240
gatctccatc	gcgcagatcc	tctccttcgc	gtccatgttc	cagatcatgt	gtgaattatc	300
ttgcgatatt	tggttatggat	caaataattag	tacattacat	gcagaaaagt	gactctttca	360
aaaaaaaaaa						370

<210> 3924

<211> 449

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(449)

<223> n = A,T,C or G

<400> 3924

ngataaggct	gcgcaagttg	cgaagaccga	gttccacccc	cgtaatctgc	cccattctca	60
ggctttgaga	cacaagcatg	agcatttgga	tgcgattact	cgcttgactc	atcagttcgg	120
tggaaagggtg	ctggatatca	gtaccaacaa	ctgcattggt	gaggtctccg	ccaaaccctc	180
ccgtatcgac	tccttcatga	agctcatcgg	ccccctcggt	gtcctcgagt	ccacccgtag	240
cggctctgatg	gctctgcccc	ggctctcctct	cttcgagcct	ancgaggaga	tcgagaagga	300
cccgtctgacg	ttgttgacgc	caacaccctt	ccccccgggt	aaatgtaatc	cgtctgtgcg	360
cttttactta	tctaatacaa	ttatctatat	ccctcaatgt	taaaaagcac	aaacacaaat	420
gtatttcac	caataatttc	cctttgcaa				449

<210> 3925

<211> 507

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

<400> 3925

ggaagaccac	tggaacgtcg	ctctgggagg	tttcttctcc	ggcgccatcc	tgggtctccg	60
agctcgacac	ttccccgccc	tcctgggcta	cggcgctcgt	ttggccaccg	ccacggggcg	120
tttcgaatac	accggtggaa	cgttggtcgg	ctacaagaag	aacaccgata	tcgacgagtt	180
tgagcgctcg	gagcagcttc	ggaagacata	cagaattccc	gcagagcaga	cccttgccga	240
attgggagag	ggacgaggtg	tttatggccc	cggatacgcc	gagagacggg	cggagagaa	300
caaggaggca	tacggtatcg	aggttcccac	aacggctccg	gcacatgaa	catgggtttg	360
ttagatatct	ctcctgcgca	gtccctcaat	tctcagctc	gttggtgtaa	actactacat	420
ctttcttatt	ttcagtcgat	gccgttcagc	tagccgacat	ggcacctnca	ccaatgaaga	480
tttcatttcc	tggttctaaaa	aaaaaaa				507

<210> 3926

<211> 631

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 3926
ccggccccgta atatacctta ctgttgatta tactattcaa ttgcagccag aatgtctgct 60
gttagcctga caaatcaaac ccgtcttcgt ctctcacgag gcgccacttg ttttaaacca 120
tccactctgg cctcccgcag cctcttctct tctctcctc cgcctagatt ctctctccag 180
tcttccacta gaaccgcagt agcgccctct tctctccgtc caactccgtt catccacagc 240
cgtcgcgctt tctctcacac atcctccacc atgtctcaca aggttcacga catcacctct 300
aaggccgagt tcgcgcgagaa gggttaccaac tccaccgacg ccctcgtcct tgactgcttc 360
gctacctggg gcgggtccttg caaggctatc tcccccaagg tcgaggagtt caagcaacac 420
ctaccccaac gccaaagttct acaagatcga cgtcgacgaa ctgtccgang ttgctgccga 480
gctcggatc cgtgccatgc ccactttcct gctcttcaag gacggcaaga agttcgacga 540
cctcaacggg ggcaanccca anggtctggg agcagaagat caaggctctg cttgcataaa 600
tccccgttga tanatgatat aaggggatac t 631

<210> 3927

<211> 616

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 3927
ccgagcaaag ccgaacgcga agaagccac aacatcaagg ctcagccaga gtccttgcca 60
accgctccg gagccaacat cgagttcaac aacgtcgcat tccgctacgc ctccaagat 120
acgcctctgt tcacaaatct caacgtcaaa atcgagagtg gccaatcgt cgccttcgtc 180
ggaccatctg gctgcgggaa aacgaccgtg atatctctcc tcgagagatt ctaccacccc 240
taccaaggaa cagtcctcat caacggcaac gacatccact cgatcgaccc ctcatactac 300
cgtcgctcaa tatccctcgt agcacaagag ccacgactct tcgaaggcac cattcgcat 360
aacatnccct tggactcgac gagtccgagt tcacggaaga cgatctgatc caagcgtgca 420
aggacgcaga gatccacgat ttcataact tcttccggaa ggtacttcac tgatcttggg 480
aatcaaggcc agacctcatg agtnggaggc aacgacacgc atgtcattga agancgtcta 540
cnaagcatcc ttntttgntt gtgaacgcat tgagtcttgn tccatttggg agnctncagc 600
gggatggacc ttggnt 616

<210> 3928

<211> 447

<212> DNA

<213> *Aspergillus niger*

<400> 3928
ctacagcagt gtgactgtca cctcgtggcc gagtatcgtg gctactggcg gcaccactac 60
gacggctacc cccactggat ccggcagcgt gacctcgacc agcaagacca ccgcgactgc 120
tagcaagacc agcaccatac acttccagcg acccgctctg gtatgtcact gtgactctgc 180
cggctggtga gtcgtttgag tacaagttaa tccgcattga gagcgatgac tccgtggagt 240
gggagagtga tcccaaccga gaatacaccg tctctcaggc gtgcggaacg tcgaccgcga 300
cgggtgactga cacctggcgg tagacaatca atccatttcg ctatagttaa aggatgggga 360
tgagggcaat tggttatatg atcatgtatg tagtgggtgt gcataatagt agtgaaatgg 420
aagccaagtc atgtgaaaaa aaaataa 447

<210> 3929

<211> 633

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(633)
 <223> n = A,T,C or G

```
<400> 3929
ggcatgcact aacgatacgc tactgactgc tatgattgat gaacaatgag atctgcgaag      60
gctgtagtga ctgaaaacgc agccgcgcgc atgcgtgtcc aggctcatgg cgctccggcg      120
cgaaccatca caagtttaag gogatgggcc atagccaaca gagagctgcc agcggatatcc      180
catatacggg ctattcatgt ctacgacttt gataatacat tattcttgag tcctctgcca      240
aaccacacagc tatggaacgg tccgaaccatc gggtttctgc aggcctatga gagcttcgcg      300
aatggaggct ggtggcacga tccgaacttg ctggccgcga ccggcgatgg catcgataaa      360
gaagagccac gggcctggga gggatggtgg aacgaacaga ttgttcaatt ggtcaagctg      420
agtatggagc agaaagatgc cttgacgggtg cttctgacan gccgcggcga gaccaatttc      480
tccgatcttg tccggcggtat ggtggacagt aagaagctgg agtttgatct catctgtctc      540
aagcctgaag ttggcccgan gagccagcga ttctccacta ctatggagtt caagcaaact      600
tttccaagaa gaccttgntc tcacttacga aca                                     633
```

<210> 3930
 <211> 579
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

```
<400> 3930
ccgagttctc ccacgacctt taggtggcat attcacaatg gctgtcagga actccagtct      60
cgctctttct cgccgcaagt cgcgcgccgc ccacttcaac gccccctcca gcgagcgccg      120
cgttatcctc tctgctcctc tctcgagcga gctccgcgcc aagtacaatg tccgctccat      180
gccatccgc aaggacgacg aggtcatggt cgctccgtggc agcaacaagg gccgtgaggg      240
caaggtcacc agcgtctacc gcctgaagtg ggccatccac gtcgagcgca tcagccgcga      300
caagagcaac ggcagagcgt cccatcccct caccctnca acgtcgatcat caagaacttc      360
actcgacaag gaccgtgang ccacccctga gcgtgttggc aaggctcgtga ggccgtcaag      420
gccaagtccn ttaaatcggg ggatttttgg angttagtta tatctggcaa atggagtgat      480
acgcgaggtt ccggaagacc caacaatntg gancttgcta cagtcggatt ttntataaac      540
atgatgnttc tgatgatgaa aacgaaaatc aaaaaaaaaa                                     579
```

<210> 3931
 <211> 602
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

```
<400> 3931
caccctcgta attggacccg aacaaccccg ctgggatcaa tcaccatgtc cgctccctcc      60
ctcgccagct acatcgctcaa gcgccccttc ctcaagcgct ggatgatgcc cattgcccag      120
tggtacaccg atgcctctgg ctacaggaga ctcggtctga aggtgatga cctgatcccc      180
gaggagaacg acgtcgtcca gaaggccctc aagcgtctcc ctcccatgga ggctacgac      240
cgtatcttcc gcatccgcag agcattccag tgctccatct cccacaccct ccttcccgct      300
gctgagcaga ccaagcccga ggaggatgtc gactacctga gccccatcat ccgcgagatc      360
gagaaggaga agcaggagcg tgaagacctc gacgcccttg tcgtcagacg gtagaatatg      420
tctctggctt cgctgaacta gattactttt ggtanccgat acaaaaatgc cgttgggttt      480
atagacgggc nggatactaa tatcagagag actttntggc ccggtcggtc ggccgcatct      540
tccaanaaaa aaggaggaaa aanacattt ggctggtgtn aatgaacttt gattatgggg      600
ct                                     602
```

<210> 3932
 <211> 639
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 3932
 gctcaacccc cagcgaactc gacgtgtcag tctccgccca actttgcggt taaatcgatt 60
 gattctcgtg ttcaccacca caactattca aaatgaagta cctcgccgcc taccttctgt 120
 tggcccttgc tggcaacaac accccctccg ctgaggacat caagtccgtc ctctccgccg 180
 tcggcattga cgctgaggag gagcgccctc agaaagtccct tgctgagctt gagggcaagg 240
 acctccagga gctcatctcc gagggtaacc agaagctcgc ttccgttccc tccggtggtg 300
 ccggtgctgc tgccgctgcc cccgctgccg gtggcgccgc tgctgctgag gctcccgcgtg 360
 aggagaagaa ggaggaggct gctgangagt ccgatgagga catgggcttc ggtctcttcg 420
 actaagcgcc ttcactccga acaccgagaa aaaacgtaac aattcgtggg gggaaacaaaa 480
 atctggcggt tattttcagt ctaagggagg aaaattacca ttggtccaag tcaagccggt 540
 gttttgccaa ggcttttctg atcaagttac gaattatgca taagttagct gggaaaagag 600
 cnttaagcca atacanaatn ctctgacct nccccaaaa 639

<210> 3933
 <211> 549
 <212> DNA
 <213> Aspergillus niger

<400> 3933
 atattttccg acgctctcgt tctaataaggc gcctgttttg agagataata ttgcaaagat 60
 gtccgctcag aactccgcag gcattcagac cctcctcgat gccgagaggg aggctcagaa 120
 gatcgcccaa caagccagag aataccgcac gaagcgcata agggaggcaa agtccgaggg 180
 gcagaaggag attgaggagt acagaaagca aaaggaggag gagttcaaga agttcgaggg 240
 tgagcactcg agtggataca agaaggccga ggaggatgag aacaaggagg ctgagggtgaa 300
 gctccaggaa atcaaggatg ctggtaacga gagaggcgga aagggttattg agactcttat 360
 ccatgcgctg gtcgatgtga agcccagacc gtccgagaag atcgtgatca aggcataagag 420
 gaatgatgcc gaatgtcatt gtggcagcat gagggggttct tgtttgatcat ttgctttcag 480
 cctgtgaata tagttctggc cactgtttga gcattacata aattcatgtt gtgtcctgtc 540
 tgaaaaaaaa 549

<210> 3934
 <211> 723
 <212> DNA
 <213> Aspergillus niger

<400> 3934
 caatctcctg ctcagctttg actgacattt cgcgatccct cccctccaca ccaccccgtc 60
 aattggaccc gaacaacccc gctgggatca atcaccatgt ccgctccctc cctcgccagc 120
 tacatcgtca agcgcccctt cctcaagcgc tggatgatgc ccattgccc gtggtacacc 180
 gatgcctctg gctacaggag actcggcttg aaggctgatg acctgatccc cgaggagaac 240
 gacgtcgtcc agaaggccct caagcgtctc cctcccaagg aggcctacga ccgtatcttc 300
 cgcacccgca gagcattcca gtgctccatc tcccacaccc tccctcccgc tgctgagcag 360
 accaagcccg aggaggatgt cgagtacctg agcccatca tccgcgagat cgagaaggag 420
 aagcaggagc gtgaagacct cgacgccctt gtcgtcagac ggtagattat gtctctggct 480
 tcgctgaact agattacttt tgttacggta taaaaaatg ccgctggggg tttatagacg 540
 ggcggaata ctaagtatca gagagaactt gctgtcccgg ctcggstcgg cgggcatgct 600
 gcgaagaaga gagggaggag agagagagca tttggctggg tgtaattga agcttttgat 660
 ttatgggtgct caatcacgtg tactgatact gtacaaattc actcgtcatc gttctctagt 720
 tgg 723

<210> 3935
 <211> 619
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 3935
 gagctcctga cgcattcttac agaacccttc tcgaggagcg aacactgtcc gagttcaagg 60
 aatgtgtcgt ccagggtctgg cctggcccca acaagctctc cgccacaggt cccaacggtg 120
 tctcgaacga agaactggcc aagagcagtc ccggccggcc ctccgaggtc cccgacggct 180
 ataaccaagt ctttgagtg gatcgctata aggtcgtcga atccctgttc gacgccaaaag 240
 ctgcaatccc ggaccctgaa tcggcattcc ccgcaccgac gccggcacaa actgtgccag 300
 agctcatcaa gaatgcgctg aacggcgctg acgtcgacat ccgccgact tgttggtctaa 360
 cggtgtcgtc acggggcgct ccagcttact ctatggtttc accgaccgtt tgaaccagga 420
 gctcatgcag atgttcccag gtccacgcgt tcgtatatcg gcccagagaa acaccgcaga 480
 gcggaagttt ggctcttgga ttggtggaag taccctcgcc agtctgggta ccttccatca 540
 gatgtggatc tncaagaagg agtttgacga acatggtccg aatatcgtcg agaagcgctt 600
 caagtaggaa aatgtcttt 619

<210> 3936
 <211> 553
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

<400> 3936
 ctccctatatt ttccgacgct ctccgttctaa taggcgcctg ttttgagaga taatattgca 60
 aagatgtccg ctccagaactc cgcaggcatt cagaccctcc tcgatgccga gagggagggt 120
 cagaagatcg tccaacaagc cagagaatac cgcacgaagc gcataagggg ggcaaagtcc 180
 gaggcgcaga aggagattga ggagtacaga aagcaaaaagg aggaggaggt caagaagttc 240
 gaggctgagc actcgagtgg atacaagaag gccgaggagg atgcgaacaa ggaggctgag 300
 gtgaagctcc aggaatcaa ggatgctggt aacgagagag gcggaaaggt tattgagact 360
 cttatccatg cgctggctga tgtgaagccc gaccgcctcg agaagatcgt gatcaaggca 420
 tagangaatg atcccaatgt cattggtggc agcatgaagg gggtcttggt tgcattttgc 480
 tttcancctg taatatagtc ttggccactg tttgagcatt cataaatcat gttggggcctn 540
 gnttgaaaaa aaa 553

<210> 3937
 <211> 622
 <212> DNA
 <213> *Aspergillus niger*

<400> 3937
 ctccgggaggt gcatgtagtg gactattagg ctatacttgt ctaactcccc cggagatccc 60
 tagtcttcca ctgaagcatt cagaagcaca ttcagataaa atcgggtccgg tcacttgctc 120
 gcactgcctt gttccactag acttggtgtc tcacaacata aatacgcggt cgagtttgca 180
 gcagtttctg gcattgctct gctgatctca caccggctat tgggctgtca atccaagggc 240
 ttcagatttc ctgcagatca aaagtcagct ataattgccg gtcgcgtcac ccagaaactt 300
 tgaagcatgg gtaagcggaa gaagtcagc aggaaccac agcaaccag aaagagagaa 360
 ccgttgctta cgacatttgc ctgccttttc tgcaatcacg agaactccat cgtcgtaaaa 420
 ctagacaaga aacttggcct aggaatttg tcctgcgaaag tctgtggcca gcgatttcag 480

acgggcataa	actatctctc	cgctgctgtt	gatgtatact	cggattgggt	ggatgcctgt	540
gacgcggttg	ccaaggatac	tgctaccaag	tacgaagata	gtgatcctcg	tgtccgacgt	600
tcgaatgaat	ttgcttacct	ct				622

<210> 3938

<211> 524

<212> DNA

<213> *Aspergillus niger*

<400> 3938

cccagcctcc	catccgcgtc	ggagaccctg	ttcaaggcca	aagccgcca	gaaactgagc	60
ttcgagcaaa	ttgcccagca	cattggccgc	aatgaagtgg	ctaccgccc	catcttctat	120
ggccaggcca	aggcttcccc	cgaagacatt	gagaaactct	caggactcct	gaccattcca	180
tatgatgctc	tggaagaaa	gcttagtggc	ttccccgacc	gtggtcgcag	cgttgagatg	240
cctcccaagg	agccgttgat	ttaccggttg	tacgagattg	tgacagaacta	tggatacgcg	300
tacaaggcgg	tgctgaatga	gaagtccgga	gatggatatca	tgagcgctat	ctctttctct	360
accaagggtg	agaaggagac	ggatgcggat	ggaaataact	gggctgtgat	taccctgcgt	420
ggcaagtggc	tgccgttctc	gcggttctag	atcgggctta	atgactgcat	atataggctt	480
atgtaaatga	ttgctaata	atgggtttta	tgaattaaaa	aaaa		524

<210> 3939

<211> 451

<212> DNA

<213> *Aspergillus niger*

<400> 3939

caacctcaac	caccccccca	aacaaccgtc	aaaatggaga	acgagaaggg	agagatcgtc	60
gatctctacg	tcccccgcaa	gtgcagcgcc	accaaccgca	tcatcaaggc	caacgaccac	120
gcctccgtcc	agatctccat	cgccaagggt	gacgagaacg	gccgctacac	cggtgagaac	180
cacacctacg	ctctgtgcgg	cttcattccg	gcccgtggtg	agagcgatga	ctccctgaac	240
cgccttgccc	agcgtgacgg	ctacgtccgc	aacgtctgga	ccgctgccc	ccagcgctaa	300
gcacttttcc	tttttgagag	agaagtgcgg	tggtgggatg	aatttggaag	tgggtgggta	360
ttgatgatgg	atgaagatat	ttaactatat	ctccacaaaa	aagggaatcc	tttcacacaa	420
tgaatgaaa	aaacttttcc	aaaaaaaaaa	a			451

<210> 3940

<211> 554

<212> DNA

<213> *Aspergillus niger*

<400> 3940

gacaaactaa	cttactatcc	tactccaatc	tgattctgca	taacaaaaat	ggccgagaca	60
tcctcatcca	tcccgactcc	cccgcactgc	accgccgatt	tctgcttgat	cccaatcgcc	120
acatcatctc	cctccgtgtc	cgcccaaata	gccgatgttc	agcgccttat	tgagaaatct	180
ggcctgaaat	acgtcatgca	ttcagctggg	accacgctcg	agggtccttg	ggatagagtt	240
catcagggtta	ttgggtcaagc	gcatacgatt	cttcattcagc	agggtattgt	gaggattcaa	300
acagatatcc	gcgttggtc	gagaaccgat	aaggaaacagt	cctttgagga	caagggtgaac	360
aagggtccgtg	agttgttgaa	aaacgactaa	gcagatacta	caagggtatg	tgcggtggtag	420
tcgattgagt	ggaaacgctc	cagcagttgc	acctttcttt	atatgctatc	gcttatggac	480
atggtataac	gatcatatca	agttagatac	actgtgcaac	atatgataat	cattccgaac	540
gccaaaaaaa	aaaa					554

<210> 3941

<211> 610

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(610)

<223> n = A,T,C or G

<400> 3941
gatctgacgc attgttcctg tattgtctag agtaccatct attcaattct tccaatcatt 60
gaatttaacc atggcattat tcctcaactc tcggctactc aaatgcactg gcagacaatt 120
ccagttacta gcaggtttta gaggctacag cactttctct gacataaccc atcatgcaca 180
gccagcgagc gattccctcc acccagcagc ctcggctgaa tccagtgcac tacaatcgac 240
cgaactgcaa acgaaacaat ggagggaacg ccttgagagc attaatagta aggctcgact 300
tcccaggagc gttcaagctg tgtacctacg acccctccgg aggaaggccg agtttggcct 360
tccagtctgt gatcttcagt tgagatctta cagtgtacgg aacgtcgaat ttttcgccga 420
ttttgctgtg cgggcccgtt actacctgaa ccttcctgtc tcggggccgg tgcccttgcc 480
acgaatcggt gaacgatgga ccgtccctag aagtaacttc gtgcacaaaa agagtcagga 540
gaattttgaa agaataacac ttcgacgcnt ggtacaaatc aaaagacggn aaccctcaag 600
ttgtacaaac 610

<210> 3942

<211> 353

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(353)

<223> n = A,T,C or G

<400> 3942
gagcagtgat ctctcttctc catgaaggtc aagatcattg ctctctccga gcgcaagtac 60
tcgctctgga tcggtggttc catcctggcc tccctgtcca ccttcagca gatgtggatc 120
tccaagcagg agtacgacga gagcgggtccc tcgatcgctc accgcaagtg cttctaagct 180
cttgccgctg atccggtttc tactctcgta ttccccatg tattaataag cccggagaca 240
ctggtgactt gcgggcctct ctgactcgca ctangaggaa gatcgctga aaaaggaact 300
tttattttta ctgtggaata gagatgggta nttttttttg caaaaaaaaa aaa 353

<210> 3943

<211> 608

<212> DNA

<213> *Aspergillus niger*

<400> 3943
gtcgccttct tcggtcttat cgccgagatg gagaagccca aggacttcaa gaagtcgctg 60
ttcatgctgc aggcgtttga aatcagtctc tacgtgactg ctgcctgcgt catctactac 120
tacgtcggca aggatgtgca atccccgcc ctcagctcgg ctggtcctct tctgaagaag 180
ggtgcctatg gaattgccat tcccaccatt gtcggtgccg gtgtcgtgaa tggtcacatc 240
ggcttgaagt acatctactt ccgcacttgc tccaagtcgg gtctcatcca cagccgcagc 300
cgccgctcgg tcgccgtctg gatcgccctg ggcttggcct gctggctggg tgccctggatt 360
atcgccgagg ccacccctgt cttcagcgac ctcaactcgc ttattagcgc tctctttgct 420
agttggttca gttacggcct cagtggcatc tactggctcc acctcaacta cggccagtgg 480
tttgccaacc cccgcaagat cgccctgacc gtgtcfaatg ccgcatcgcc tgtgttcggg 540
ttggtgctgt gcgtcctggg tctcctaagc ctcgggaacg gcatccacaa cgatgcaaac 600
agcaacag 608

<210> 3944

<211> 634

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(634)

<223> n = A,T,C or G

<400> 3944
acggatgtga gaaggcgtat ggtacgctga accatctgaa cgcccacgtc acgatgcagt 60
ctcatggcgc caagcgcaca cccgaagaat tcaaggagat tcgcaaagag tggaaagctc 120
gaaagaagga ggaagaggcc cagcgcgaagg ctgctgagga gcgcgagcgt gctgccgctg 180
ctcaagctgc ccaggccaac caggctcgacg cacccaatcc tcgcatccc gctcaggctg 240
ggcaaccacc tgcctaccg ggtggtgttc gtccctcaatt acctccatt ggatatcaac 300
ctgccgacgg tcaggtaccg gggcagtagc gagctggagc cggaggtatg gtgtatcang 360
gcaatgggca gatggcatac ccgccaaact accctcactc cccttatgga cagaccgggtc 420
aagtgtacca accacgtaag tagtcagtcc tttgttatgt ttgccttctc ggcaccgggt 480
catgaacaag tctcgcatgc gacattaaag aaaccaaccc caaaaaagaa agaaaagaag 540
aaacaaaaag ggacacacga acaacatacc cgggttgcaa aaactcaaga aaagtgtana 600
aggagtcttc ngatntaatg ctaaaaggtc gtnn 634

<210> 3945

<211> 313

<212> DNA

<213> *Aspergillus niger*

<400> 3945
gccaccagg accccgttgt cggtcagttc cagcccctgc tgggtattga cgctgggag 60
cacgcctact acctccaata ccagaaccgc aaggccgagt acttcaaggc catctgggag 120
gtcatcaact ggaaggcgt ggagaagcgc ttctccgcct aaagctttct ttatgatatg 180
aactgtatat tgacgcggtc tgattagcga ttgtggatct gcgtattatg tgtactatgg 240
atgtggaact aatcaggctc aatccgatgc cctaattgcaa attccgtatt aatggcactc 300
ttctcttctt ttt 313

<210> 3946

<211> 486

<212> DNA

<213> *Aspergillus niger*

<400> 3946
ggagcgagg gcattgatca tgggattcgg ttggtggagg atgaggtgct tatggagagg 60
attgcgagg agggcattct gttgacgggt ttgtccgctgt cgaatgtgca gttgaagtgt 120
gtgaaggagg ttggagaggt gccgattcgg aagttcttgg agaattggtgt caagttctcc 180
attaatagt atgatccggc gtattttggg ggctatatct tggataatta ttgtgcggtg 240
caggaggcgt ttgggttgag tgtcttgagg tgggaagacta ttgctgttaa cagtgtgagt 300
gagagttgga ttgaggagga gaggaagatg gagttgatta ggaggattga ggaccatgtt 360
ggaaggtttg cgcatttggc ttagttagtt ttactcctac ctggtgatat agaagggtat 420
gggtatggtg taatgagtag atgatagatg catattgaat aaagcgtgat tctttgaaaa 480
aaaaaa 486

<210> 3947

<211> 530

<212> DNA

<213> *Aspergillus niger*

<400> 3947
catagacgca aatggactgg attgctccaa gacgtcatgg cgggtgtgatt gtgtcgcaaa 60
tgtcgtatct gcattgtcca ccgcttttgt acctgacggc gtcgcagtgg tgggctgaac 120
ttcatcgatg agaacgacga ggtcctcctc gccgggttctg gtcgtaaggc caaggccaag 180
ggtgatattc ccggtgtccg tttcaagggtc gtcaagggtt ccggtgtcgg tctgctcgct 240
ctctggaagg agaagaagga gaagccccgc tcttaaataa cccaaaccct ggggaattta 300
ataaagatgc tattagcggg gtggaagggg gccattcca tggagaagc ttcggggcaa 360
aggcaaagca aacacaagtc tatggtctgg aattgatggt tcaggacgga tgagaccctg 420
caaaataaat accatttgca cgtactacg attgatatat ccataaaaaga tggcgccatg 480
atattttct ttgggagggc cctaaaattc aaatccttca aaaaaaaaaa 530

<210> 3948

<211> 520
 <212> DNA
 <213> *Aspergillus niger*

<400> 3948
 gtccaacgct gctgcccagc tcaagcagaa gtacgggtgtt gacgctgagg tcatcaacct 60
 tcgttccgtc aagccctcg acgttgagac catcatccag tcgctcaaga agactggctg 120
 catcatgtgc gtcgagtcg gtttccccat gttcgggtgtc tcctctgaga tcctcgctct 180
 ctccatggag tacgggttctg actacctgac tgctcctgcc gtccgtgtca ctggcgccga 240
 ggtccccacc ccctatgccc ttgggtctcga gaacatgagc ttccccagg aggacaccat 300
 tgtaagccag gctgccaagc tggtgcccct gtaaaggatg agccgttgtg tatgaaccga 360
 cgggtgaagaa aatctgaatt aataaaatca tgtgtctagt accctatcat tgttacagcc 420
 atttctccta tttcctcata ttacctggtt ctcccacttt cctgatcttg tacgactata 480
 caacacaatc aacgtttattc tgcattctta gaaaaaaaaa 520

<210> 3949
 <211> 614
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 3949
 cgcagctcaa atcggatgcg aacgcgagct ctgataagca aaccgacccc aagcaatggg 60
 atcgcaacta ctcggttagat gttgtcctaa gcgatatgtc cgctccctgg ttccaaacag 120
 cggggtttgg gaaaagaagt ctaagtgatc cgtataacag gatgatgaac acaagcggta 180
 ttagtttcaa agaccatgca ggtagtagtg atctttgcc cgcagctttg cagttcagcc 240
 aagaagttct ccgcactgga gggcacttct tctgcaaatt ttaccaagga gccgaagata 300
 aggccctaga ggaacagctc aggaaattat ttcggaagt ccaccgctta aaccggaatc 360
 gtcgcgcaat gaatccaaga atcttattca ttggtctcgg tcgaaatagt acccagagtc 420
 agcattaaac cggcttagtc atntctcttc tgntgaatcg aattcctatc catctacgta 480
 gcaagtgaag ctttgnntga acatgcactt gggatattgc agtgaattgc ctaagcnaaa 540
 ggacaaggaa ttccgangtg cttggagttcc atacatngna ggccaaaaag gctcttgaaa 600
 aatgttaaca acct 614

<210> 3950
 <211> 587
 <212> DNA
 <213> *Aspergillus niger*

<400> 3950
 tgtctatcga cgatgatacc atcgttgtac catcatacat cgcctttgaa ccaagttcaa 60
 agcctccgcc aaagatccag accagcacag gcagcttcga gtccgcgggtg gtcccggccg 120
 gacgccgaat gtcaatgttc aggcaatcct cgagagcatt ggtagccgac tgtaccaaag 180
 ggagatcagc gaggaggcca atgaccgatg tcgggaattc gctctcatcc gtggtgaagt 240
 acatctgcgg acacgattgc gaggtcctg ttggcctgaac agtgccgagg gcagtttcca 300
 agggttgtgg gggcttcaga cgcagcgagc ctgtgggggc ctgcgcaaag ggaatattgt 360
 tgaagctctc gacattgcca gattttccaa tgacgggtggc cgatggatgc gcaatagtga 420
 cagtaggagc tgcattccgt tgaactggag tcgcccagac ggcgagggaa agggagagcc 480
 aaaggagggc cttcatgatg gccatgatct gtaccgctat gggatcatagg ctctcgatc 540
 gggctgggag taactctata tacagttcca tttttcacia aaaaaaa 587

<210> 3951
 <211> 640
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

<400> 3951
 ctgaatctta ataatgtcac gacacgcccc agtggaggag gtgtacgact ccgacccgga 60
 ggaagtgtgct ccctccgatt cctcgccgc caactttggc aatgagtccc tcctttctgg 120
 aaccggagta cctatgtctg gctcantacc catgagancc gctcccgaac ctgagcgcg 180
 aatccccaag cgttaccagt gcctgtatcc gatatacttc gacaagtcgc ggacccgcgc 240
 ggagggccgc aaggctcggag gtgagctggc ggttgagaac ccgctagcga gggacattgt 300
 cgatgcggtg caaatgttg ggctgaatgt cgggttcgag cctgagaagc tgcacccgaa 360
 agactgggcc aaccctggac gtgtgcgcgt tttgctgaag aacgaggatg gcaaattggt 420
 taactcgagg atcaagaaca agcaacacct ttacatcctc gtgggcgcaa tacctcaagg 480
 ntcaccctac caccgaaaga atccccctac cgtcntagaa ttcgaggact ccctatgcc 540
 gataaaactg cctgctgcgc ctgccgctcc ccgccggatg gaantncgga aagattctgc 600
 cgattacact ctccggccta nancgggtggt gggagtcaan 640

<210> 3952
 <211> 316
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(316)
 <223> n = A,T,C or G

<400> 3952
 atcagtgtctg cttctcggct gattccccgc tgctgggtctc gtcgtccaag gacacaacgc 60
 tgaaggtatg gaatgtgcgg acgggcaagt tgcaagagga tctgccgggc cacaaggacg 120
 aggtgtttgc agtagattgg agtccggatg gacagaaggt gggaagtggc gggaaagaca 180
 angcgggtgcg gatatggagg aattagatac cacacagcgt attaagttat ctaacttcgt 240
 actatactag tatactacta tagaacgcgt gacactgtta tgactgacaa tatcataata 300
 acaacaacat aacacc 316

<210> 3953
 <211> 584
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(584)
 <223> n = A,T,C or G

<400> 3953
 agtgaacgtg ccattccact aagatcatgg atagtctaca cggctttttt cgttacagtc 60
 aatctttctca acaactgggc ctttgcatatc aagatttcag tcccgttgca cattattcta 120
 agatccgggg ggccagtagc gtctatgatt atcggttact tgtttaatgc taagagatat 180
 tcgcgagggc aaataacttg ggttctattg cttacttttg gtgtgggcac tgctgctttg 240
 gcagatgccca aggctaagg ccaatctatg aatgttgaga gcacttctgc aaccacgaca 300
 ttggttgat tcaccatcct tgctctagcg atgatactct cggctttcca ggggatatat 360
 gcggaacaggc tctacgaaaa gtccggncca gaccactgga aagaactctg gtctactcta 420
 caccctatca ctaccgtgnt ctacctgtta tgcacaactt gcgagccagt gccggacgct 480
 tttcccatat atccttaact tctgggcctg aagtttgggc atgactggaa tggtoctcca 540
 gccatgcatn atnggccggg cttgaaagct taagttcttg gaga 584

<210> 3954
 <211> 466

<212> DNA
<213> Aspergillus niger

<400> 3954
gagaagtaac gagcagtacc agcgttgctg gccttgctgg ctccgttctc gaccgtgggt 60
ctgtcaccaa gttcgtcccc tacctcgttg ctggtgtcca gcactccctg caggacattg 120
gtgtcaagag ccttaaggct ctgcacgagg gtgtggacaa cggaactgtc cgcttcgaga 180
tgagaagtgc cagcgccatg gccgagggtg acgtccacgg tctccacagc tacgacaaga 240
agctctactc ttaagtggta aaagcttaag agccaaagtt tcttgtttat ttccttatag 300
tttttttttt atatcaagag cttttctggt gatacgtttt gttacatgat gatatgtggc 360
tgttacgaaa acaaaagctc gggcatgggg aacaggagtt cgacttgagg tgacgcaccg 420
acttggttag ggttattcaa tgcattacgc ctttttcgat gattct 466

<210> 3955
<211> 338
<212> DNA
<213> Aspergillus niger

<400> 3955
acagtacat accagagcgg gtcgtgggtg tggctcttgct agcagtcgag gtggtcttgc 60
tggtcgaggt cacgctgccg gctggtgagt cgtttgagta caagtttatc cgcattgaga 120
gcgatgactc cgtggagtgg gagagtgatc ccaaccgaga atacaccgtt cctcaggcgt 180
gcggaacgtc gaccgcgacg gtgactgaca cctggcggta gacaatcaat ccatttcgct 240
atagttaaaag gatggggatg agggcaattg gttatatgat catgtatgta gtgggtgtgc 300
ataatagtag tgaaatggaa gccaaagtcg gtgattgt 338

<210> 3956
<211> 337
<212> DNA
<213> Aspergillus niger

<400> 3956
tggttttatc tccgccgcgg agctgcgcca cgtcatgacc tccattggcg agaagctcac 60
cgacgacgaa gtcgatgaga tgatccgtga ggcggaccag gacggtgatg gccgcacga 120
ctacaacgag ttcgtccagc tcatgatgca aaaataaacg gttcttcagt ttctatttgt 180
cttgtgttag cggaagggtt ggggagcaat gaaatatact ccacaatgtc ccattctcta 240
tcccatcccg tccctttagt tctcatcatt tggtatgac tcttattcat cttaatggtc 300
gagcgcttcg cattaccaat gttgggttcta atgttgc 337

<210> 3957
<211> 522
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G

<400> 3957
cttcatccca cccccctcca atcaacaccc caagtttcct ttttaagggt actatacctt 60
caatctatca caatgggtgc cattcctgaa gttgacccg atgagcccg cgagaccaag 120
cccttcaagt tcgtgactgc tggctatgac gctcgtttcc cccagcagaa ccagaccaag 180
cactgctggc agaactacgt cgactaccac aagtgtgtca ccgccaaggg cgaggacttc 240
cgcccatgcc gtcagttcta ccacgccttc cgctctctct gcccaaggcc tggactgaca 300
gatgggacgg ccagcgcgag gctggtaact tcccgcctcg ctgacccgg agacgcatta 360
actactttgt tcacagttaa atttgaaagt tcaaagttgt ttcgtgtgt cttcttgtca 420
ctgtcaacgt gtactctacc ctttaagttg gatccggcga gaattgnnag ctctgactcc 480
ccagacacaa ttcggctggg tgggagacga agtgatatata ga 522

<210> 3958
 <211> 601
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 3958
 atggccttgc gagccttctt ctcgttgcca gaggatgg tgacagcggc accaccgggg 60
 atggtgggct catcgccagc ctcagactcg gcctgaagca cgttcccggc atcactcgtg 120
 tactctccg tcgtcccaag aacatccttt tcgtcatcaa ccagcccgat gtctaccgtt 180
 cccctccag caacacctgg atcatcttcg gtgaggccaa gatcgaggac ctgaacgcca 240
 ccgcccaggc taccgctgcc cagcagcttg ctgaggctgc tgccaacgag cacgctggtc 300
 acgaccacga gcacgaccac ggcaaggcca agggcccgga ggctgaggcc aagaaggagg 360
 aggaagagga tgatggcgag gaggtcgatg agtctggtct tgaggctaag gacatcgaac 420
 tggttatggc ccaggctaata gtgtcccga agaaggccgt caaggctctt cgggagaacg 480
 acaacgatat cgtcaacttc atcatggctc taacatatga acaccgncgg aatgaacgca 540
 tgaatcggtg gctgccgtct cttggcctgc tgcangatgg attttgggtg ccangtcaga 600
 t 601

<210> 3959
 <211> 602
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

<400> 3959
 cttcaaccgt ggtttcgaca gctccaaggc cgagtacgtc gacatgatct ccaccgggtat 60
 cgtcgatccc ctcaagggtg tccgcacctc tctgggtgac gccagcgggtg ttgcctccct 120
 cctcggtacc accgaggttg ccatcggtga ggccctgag gagaaggggc ctgctcctgc 180
 cggtggcatg ggtggcatgg gcggtatggg cggcatgggc ggtggcatgt tctaagctag 240
 ccccgttctc gtgtagcctt ccccgttcct tgtttctaaa gaggtttccc ttccagcgtg 300
 ttgttgcata gtacgggcat tgtcctgata tgtttttttc ttgttcttgg ttttcgacta 360
 tctcctttgt ctctaattgt ttatacgtct ttggtcacct aaccacatcc tcttttacct 420
 gacctatcct aattccacct cttaaactct ctcctccctt ancatctcca ctccgttata 480
 ttgggcacaa aaagtctcaa ggagtcctgt gtatcatacc atgtacttta agtgctccaa 540
 gggcggttac tctgccgtgg tgttttgcaa attcaataat taaattgttc aatgaaaaaa 600
 aa 602

<210> 3960
 <211> 560
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(560)
 <223> n = A,T,C or G

<400> 3960
 gcagctctcc tccgtcgaac agctacatca gacagtcaaa atggctccta ccagaaagaa 60
 gtggtccaag ggcaaggcca aggacaaggc ccagcacgcc gtcgtcctcg agaagcaggt 120
 cgctgagcgt ctcaacaagg atgtccagtc ctaccgtctg atcactgtcg ccactctggt 180

cgaccgtctc	aagatcaacg	gcagcttggc	ccgccagtgc	cttgctgacc	ttgaggagaa	240
gggacagatc	aagaagggtg	ttgggtcactc	caagatgaac	gtctacaccc	gcgccgtcac	300
cgccgagtaa	acgtatgacg	ctatgaatat	ttttcctcgc	gcgtcgcatt	tttctttgtg	360
caacgatatg	atatcactcg	aatgaaaatt	cggaaagtag	ggctgggcga	tttgatggac	420
atgtcatgtt	agaatatgac	tgactggaat	tcaaccmaaa	tctgttccaa	aaaaaaaaaa	480
aaaaaaaaatt	ctgnngggccg	ttcaacctgc	ttttanaggg	ccaattcgcc	ctttagnag	540
tcgattacaa	tcactggccg					560

<210> 3961
 <211> 626
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 3961						
aaattatcaa	caccgtcctc	ccggagtctg	tcgaccgaaa	gccttcgcc	tgggcgggtat	60
cnatgttcaa	ggttgtctca	tgggaactgg	gttnaagntg	gccgcgttgt	gctgatccgc	120
ancggtcctt	acaccggcaa	gctcgtcgcc	attgttgaga	ttgtcgacca	caagcgtgtc	180
ttgggtcgacg	gtccctccac	cgaggagcag	aagatcgttc	cccgccacgt	ccttcctctc	240
tcccacgcca	ccctcactca	cttcgtcatc	ccccgtttgc	ccggtgctgc	cgggtactggc	300
cccgtgaaga	agctttggca	gaaggaggag	atcgatggca	agtggggcaa	gtccaacttc	360
gcccagaaga	ccgagcgcg	tgagcgccag	aagaacctgt	ccgacttcga	gcgcttcaag	420
gtcctccgcc	tccggaagca	ngctcgctac	gaggtcgaga	aggctcacgc	taagctcang	480
gcggctgctc	ctaagtcata	gacggttcat	gaggctcggt	gcatagagtg	acaaggttgc	540
cttgggacgg	ggttatttgc	tgangnttaa	tttattttca	agcaaaatgg	gctgtacgca	600
tantgacaag	cataaaaatg	attcaa				626

<210> 3962
 <211> 358
 <212> DNA
 <213> Aspergillus niger

<400> 3962						
caacgtccgt	gccattgaga	tcgacggtct	tgtctgggg	gcctccaagt	ttgttgccgt	60
cggttacggt	atcaagaagc	tccagatcaa	ccttgctcgt	gaggacgaga	aggtctccct	120
tgatgagctc	caggctcaga	tcgaggagga	cgaggaccac	gtccagtcca	ccgatgttgc	180
tgccatgcag	aagctgtaag	cggaaacgtt	aatgatgaag	ataaatggcg	tgatgatgga	240
ttattttgatg	ctatcccacg	gaaatatact	gtcatgaact	tgaataaccc	aagccgattg	300
gggacacccc	tcggcataac	gaatccaaaa	accaaaataa	atmcccaaaa	wamaaaaa	358

<210> 3963
 <211> 633
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 3963						
cttcaacgcc	cagcgacgac	aaaccgccag	ccaaacaccg	tctcatcccc	aggtttctct	60
cgctcagat	tcaagatgac	tcacgagtc	gtttggtaca	gccggccccg	caagtccggc	120
aagggttccc	gttcttgccg	tgtctgctcc	caccgcgcgc	gtctgatccg	caagtacggg	180
atgaacatct	gccgtcagtg	cttcogtgag	aagtcctctg	acatcggttt	ccacaagtac	240
cgttaaatcg	aatcttcttc	ctcgatccca	ttttccggtt	attcacgacg	atgattcggt	300

aaaacgtgct	cgtggcgctt	cgattctctc	acatatcacc	caaattaaaa	ccgacaatcc	360
cccacagtct	catgtcgggg	tttagcggag	gaagaaaaca	gggggatacg	gtagcctctt	420
ttttctttta	ccagtgtgtg	tgtgaaatcg	aaacgcaa	gaaatccgaa	ccgggcttgc	480
tttcaatgga	atgaaataaa	atgggtgttt	tccttttggt	ccagggtggaa	taatcctttt	540
aaaatgagga	ananatggga	nttgagatta	tagagacgtg	tgtgttaagt	tgtggctggg	600
gtggancgtc	ttaaagaaan	ggggtctttg	tcc			633

<210> 3964
 <211> 485
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = A,T,C or G

tctcacgcct	catctctcac	tccccacatc	gcgcttttctg	tcgctgattc	tcctcgcata	60
tcttcacaat	gggtggccat	ctcgatccta	agaatggagt	cttcctcggc	tggtgggggtg	120
atctcggatg	ccctactccc	cagcgtgtga	cctcctactc	catgtcccct	aaccgccagc	180
gccctcttgc	tggtgcccgt	cacgcgcgca	tcttcaacgt	tttcgcgaga	ttcagacacc	240
aggtcctcta	cgctcgtcct	cccttcattg	ccgcctacgc	catcatgaac	tgggctgttg	300
agaggaacga	gtacctcaac	tccaagcctg	gccgccttct	cgagggtggg	gaagagtaaa	360
tgtaacgtgc	cagctcggag	gatcttggn	gaaagggatg	acatangga	atatgaaagg	420
gctggatgtg	tgattgcact	gtacagtaac	tagaagcaat	cgagtatgtt	gcaatgaaaa	480
aaaaa						485

<210> 3965
 <211> 517
 <212> DNA
 <213> Aspergillus niger

ctccgtcgtc	gccaacccgc	agtcgtccca	accgtcgtga	tggcgcaaga	acgttccgga	60
atcgtgggtc	gtctgaacaa	gggccacaaa	accacccccc	tcaacacccc	caagacccgg	120
atcagccgta	ccaagggcca	gtcttcccgc	cgcacggcct	tcgttcgtga	gatcgcccgc	180
gaggttgtcg	gtcttgcccc	ctatgagcgt	cgtatcatcg	aactcctgag	aaacactcag	240
gacaagcgcg	ctcgtaagct	cgccaagaag	agactcggta	ccttcggccg	tggcaagaga	300
aaggctcgagg	acatgcagcg	ggtcacgcgc	gaggcccgcc	gcactggcgc	tcactaaact	360
ttccattttct	ctctccaaat	atctcctggt	tccagttttc	tctctctcct	attagccaag	420
aatgagataa	cgaaaacatc	ccacacccaa	cctcaaaaaa	tgaaatgaaa	gtgaaagtga	480
gaaacaaaaa	ccatgtttca	atacaaaaaa	aaaaaat			517

<210> 3966
 <211> 564
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

aacatctccg	caacggaaaa	tcctttacaa	tgtcgacgcc	tcaattctgg	tccacgcctc	60
tccgctacct	ccgctgggct	tctcagcaac	gtcccgtctat	cttctactcc	cttattatcg	120
gctccatggg	ccccgttgcc	ctcgtcggat	tgcccccgct	cagacgtgcc	ttgggtgacg	180
ttgacccgga	gactatcccc	atgtcttata	ccatccccctc	cggtccccgc	acattcccca	240
aggggttacga	tgacgagtaa	atcacctcat	ccgggataata	gcgatatgga	aaggataggg	300

tggacggact	tgcgtgaccg	acgactagct	ctacattgaa	tgatgagcca	agtgtgactc	360
cggcgccgat	agaatagaag	aaagggaggc	tgtcaatcaa	cgagcaagta	tcggcggggc	420
tcgcttgccc	ggangtagct	tgactggatc	tgggtatctt	ctctacgtac	atgcgcctcg	480
gcttcttcta	cggcatgtta	tacccttgng	cttttgtaag	gaaggggtaa	aggtgatgta	540
agtgggggat	ganangtggtg	gggg				564

<210> 3967
 <211> 648
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

<400> 3967	
ccccgtcccc	cttcaacgcc
aggtttctct	cgcctcagat
caagttcggc	aagggttccc
caagtacggg	atgaacatct
ccacaagtac	cgttaaatcg
atgattcgtt	aaaacgtgct
cgcacaatcc	cccacagtct
gtagcctctt	ttttctttta
ccgggcttgc	tttcaatggr
attcttttta	aaatgaggaa
gtggctgggtg	tggaccgtct
cagcgacgac	aaaccgccag
tcacgagtcc	gtttggtaca
tgtctgctcc	caccgcgccg
cttcctgtgag	aagtcctctg
ctcgatccca	tttttcggtt
cgattctctc	acatatcacc
tttagcggag	gaagaaaaca
tgtgaaatcg	aaacgcaaata
atggtgtttt	tcttttggtt
ttgagattat	agagacgtgt
gtgtcttttg	cgaaaaaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	648

<210> 3968
 <211> 632
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 3968	
ttttcttctc	ccagtcgttt
cgggtgttcta	gcgcgtagtt
ttccattcct	tctacaacaa
caacatcaag	gttaccgata
ggtgaagaag	ttgatggacg
gttcctgttt	gatggcacc
cgatggggac	actctcgaag
ttcgatgaat	tatgattatt
cacttcactt	actaccttac
tatgaaacan	acacaangcg
cccggatttg	ggagaacgtc
ctcacgtcca	ccagcttctc
ccagcggaac	acagttttca
tggccgactc	cggagaggct
agtggtcttc	aagatcaagc
aaggcaagga	aagcagcctt
tgaagatacg	cccgatactc
acanatcggt	ggctagatag
aaatacatta	ccaagccccg
cgancacct	tcgatctgtt
ttctacttgg	ntgatgggtc
an	
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	632

<210> 3969
 <211> 571
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(571)

<223> n = A,T,C or G

<400> 3969

cagaatccct	ccttggtgta	tctgaaggct	agattttatc	gccaagatgg	gtaagggttca	60
cggatcgctc	gctcgtgccg	gtaagggtcaa	gagcgcaacc	cccaagggtg	agaagcagga	120
gaagcccaag	agccccaagg	gccgtgcccc	caagagactc	gtctacactc	gccgtttcgt	180
caacgttacc	ctgaccggtg	gcaagcgcaa	gatgaacgcc	aaccccaccc	agtaaacggc	240
taaatcttcg	atgaacaacc	gcaaaaacgac	gaacgattcc	ccgggtttca	aatggcgtga	300
tgggaaattg	aggggctgag	caaaaaccatg	tgatgcgtat	ctcatcacia	agtcgcttgg	360
aaagaggggg	gaaggcatcc	cttcgttttc	tcttttcaag	cgggggcccc	tttagtgatg	420
tttttaaagc	tatttatcga	ctcacctttt	gtgtgtggaa	acgggttttc	aaatggnatg	480
accttccaga	tgattgattc	atgttcctcg	agtttatcgg	attaatattg	gggatgaata	540
ncatcgctgt	tcaatctctc	aaaaaaaaaa	a			571

<210> 3970

<211> 721

<212> DNA

<213> *Aspergillus niger*

<400> 3970

gccagtccat	acactcagct	cgccgtcgcg	acaagtcttc	aagatgccga	gccacaagag	60
tttccgcacc	aagcagaagc	ttgccaaagc	tcagagacag	aaccgtccta	tccccagtg	120
gattcgtctc	aggaccggtg	acaccatcag	atacaacgcc	aagcgtaggc	actggcgcaa	180
gtcccgtctc	ggagtctaaa	ttcgtccttt	ggaaccacac	acaccaaccg	actttttcga	240
tttcgccccg	agaaatgtct	ctgtccacct	gctgctttcc	cgggggaaaa	tgtttcgttc	300
agttgctgtg	ataccgctgc	caacatcaac	aactcctgtg	tgccgctact	gctcgcgatg	360
ataaaaaaag	aacaaaaaat	ccacttgcat	cattatagat	tatgttgcc	caaataaaaa	420
cccgtttttt	gagagaagtc	cgtttgattc	tctactgttt	tcctttacat	atctctctct	480
ttcccgcata	aaccgattcg	gggacaattt	tgctggcctg	ctatccacta	tgccggtagt	540
tcgttaagca	tggaaggagg	agaagtgtgc	ataagcggtt	gaaatatttt	tcgktttggt	600
ttcttctttg	ataggggggt	taaactgggtc	tgtgggtggtg	cagtgggtgc	ttctgcaaga	660
tgtgtgtcac	gaactgaaag	gaacgacaaa	aatcgaaaaat	tcgatgaggg	ttaaaaaaaa	720
a						721

<210> 3971

<211> 380

<212> DNA

<213> *Aspergillus niger*

<400> 3971

ctcaaagcct	gagaatgggg	cagattacgc	gcttgactca	tcagttcggt	ggaaagggtgc	60
tggatatcag	taccaacaac	tgcatgtgtg	aggtctccgc	caaaccctcc	cgtatcgact	120
cttccatgaa	gctcatcgcc	cccttcggtg	tctcagagtc	cacccgtaac	ggctctgatg	180
ctctgccccg	gtctcctctc	ttcagagccta	gcgaggagat	cgagaaggac	gccgctgacg	240
ttgttgacgc	cagcaccctt	ccccccggtt	aaatgtaatc	gtctgtgcgc	ttttacttat	300
ctatccatta	tctatatccc	tcaatgtaaa	aagcacaacc	acaatgtatt	tcatccatat	360
ttctttgcaa	aaaaaaaaaa					380

<210> 3972

<211> 541

<212> DNA

<213> *Aspergillus niger*

<400> 3972

cgcctccatt	gacacctcag	catccattcc	ttcgtttccg	tcaaaatgtc	cgaccagggtg	60
caagagctcc	ttaacgtccc	tcgggagttc	ctcagggaag	gcgtgcagtt	cgtcaaccgc	120
agccagaagc	ccgacaagcg	cgagttcatc	aagatcagcc	aggctgtcgg	tactggtttc	180
ctgatcatgg	gattcatcgg	ttacatcggtg	aagctgatcc	acatccccgt	taacaacgtc	240
cttgctcggg	gcgcgtaaac	gaacaatcca	tcaccccttc	tatccgggtg	caagcgaaga	300
aagaataata	aggccatgct	cttattttgg	ccaaatcgcg	agctaggggtg	cgcattgcgat	360

gcgatcttca	aaacaagcgt	gtaacattat	acccgcctga	tggatgagca	gactgcgatg	420
acggcattgt	agtctcgctc	aacgcggagg	ccarccggtg	gaattggata	tgtgcataat	480
tagtctgggc	argcgtagg	gtgtgctggt	aatatatcca	ttgaactcat	ggsaarmaaa	540
a						541

<210> 3973
 <211> 602
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

<400> 3973						
ctttggagac	cccgcctccc	ccgcaattgt	ctatccttct	tggttctctg	gactgctctc	60
cgacaactac	tggctaatac	gcgaggacaa	gaccctcaac	cccaagaaat	acttcatcat	120
cgtccctgcg	ctgttcggca	acggtcagtc	gacttctcca	tcaaactacg	cccatcctgg	180
gcccttccca	aaatgctctt	tctatgataa	tgtccgtgcc	cagcaccagc	tagtgacaca	240
gcatttgaaa	atcactcatg	tgccggcagt	gatccgggtg	tcgatgggag	cagcccaaac	300
ctaccaatgg	gccacccagt	acccagactt	catggacctg	gcggcccttt	ttgtggctct	360
gcaaagactt	ccttcacaca	aggtcttnc	gganggcgtc	aaaagtgcac	tgctggttgn	420
aaacacatcc	ataacggggt	ccggaatgnc	gcctcttcag	cttgacaatc	ttgcgacctg	480
gantgccaga	gaagaggtgg	tttgaaaagt	tgggaagggg	tttcagatgg	gatntacagc	540
nttaccggaa	antgtgaacn	ctggattaag	gnctaaggat	tttgaaat	tggaatggcc	600
tt						602

<210> 3974
 <211> 551
 <212> DNA
 <213> *Aspergillus niger*

<400> 3974						
ggtagaagtt	tgctttcgtc	taccggggcca	agcgtgaggt	ccggggctcc	aacatccggg	60
tcatctgggg	caagggtacc	cgtcccccag	gtaactccgg	tgttggtcgt	gctcagttcc	120
gccacaacct	cccccccaag	accttcgggtg	ctaccgtccg	tggtatgctg	taccctcca	180
acatctaaat	gacgcccctt	ttgttacgtt	agttggcaac	tcgggattct	acgcgcagac	240
ggtcgggcaa	ggagtcgacg	gaatgagccg	aatgttgaga	tggagttggc	gggttgataa	300
tggtcgtggg	agaggcaggg	ccggtcagcc	ctacgaatta	aaataaaaga	actcttatct	360
tctttttttc	agcatggtta	ttgtcagccc	tttttcccct	aggcagcgga	cgagcttgat	420
atccctgggt	ttattctcat	taaaccggcc	aagcatgctg	tgcccttggg	ccgacaacat	480
ggctccccgt	gtatctgatg	ctcataaacc	acaatccata	ccatttcaac	atatcggtaa	540
aaaaaaaaaa	c					551

<210> 3975
 <211> 525
 <212> DNA
 <213> *Aspergillus niger*

<400> 3975						
tcctcagggc	cgccaacggc	gagaagggca	tcgtcgagcc	caccttcggt	gagagccctc	60
tcttcaagga	ccagggtggt	aacttcttcg	cctccaaggt	cgagctcggc	cccaacgggtg	120
ttgagaagat	ccacgaggtt	ggccccgtca	acgagtacga	gcagggtctc	atccagaccg	180
ccctcgggtga	cctcaagaag	aacatccaga	aggggtgtga	cttcgtcaag	cagaaccctt	240
aaatgggtttc	tgaatctgat	tgaagaaggg	aacaaaattg	caacatctct	ctgcagccgc	300
tttccctccct	gtataacagt	cttatgttaa	tccataccca	cttcccgttc	ccctatgcac	360
atccccatct	cacatttggc	ttttatatcg	gaggaaatgt	agctgcggaa	ctcgcatagc	420
aatgagtttt	gaggagcctg	ggactgccag	gggagatgga	catgacgtgt	atttcctata	480
aataagaaaa	atctaattgat	tcaatgacta	gtgaaaaaaa	aaaaa		525

<210> 3976
 <211> 617
 <212> DNA
 <213> *Aspergillus niger*

<400> 3976
 atgggtcctc cgagccatgc atcatcggcc ggtcttgaaa gcatcagttc ctcggaagag 60
 tcgtgcgagg gatggcattt tgcgtcaata ttccgcagtc tatcggggca gaatccgatt 120
 ttgaaagata cttttcaatt aactcaatc ttccagtggt ttccaacacg cgtaatctac 180
 cttttgatta atgcactgac gcagtacttg tgcatacgag gaggccacct cctctctgca 240
 aaatcgtctt ctttgactgt caccgttggt ctgaatatc ggaagcttgt ttccctcctc 300
 ctctccatct atctgtttgg gaatgccctt tcaccgggtg tgcctcatggg cgcgttggtt 360
 gttttcattg gcggcgctt atatggcttt gaggggtgcg gccccagggt gaaatctgct 420
 aaaaatgatt aaggcagtc tgtttcgcta gaattgtctt ccccgctctt gttacggctg 480
 ggaaggtgtt ccagacggt aagatagaaa gatgcatata tatttatata cgtctgcgtg 540
 tgttggtgtg tcgtatgtgt gtcccgcagc ttgcctcgag ctttatgact atgaatatat 600
 acattaagaa tgcaaaa 617

<210> 3977
 <211> 543
 <212> DNA
 <213> *Aspergillus niger*

<400> 3977
 cttcgagacc tctctcctgg tctccggttt caccattgag gagcccgcca gcttcgctga 60
 gcgcatccac aagctcgtct cccttggtct gaacatcgac gaggaggctg agaccaccga 120
 ggagaaggct gctgaggagg ctgcccctgc cgccgcgct gccgagagct ccatggagga 180
 ggttgactaa atgttgaccg catgatgtca cgatcttctt ttcgagcaaa atggaaatga 240
 gatgtaactg atttgtgatg acccggaaac tgttccagcg gtatttgcat cagggatcta 300
 atattcattg aacgatattg cgttattaat cggaacggca aaggaacctt ttttcttttg 360
 atcctttttc tgtctttttt ctttattact gaattacgaa ttctacctt ttcttttttt 420
 tctttcggcg ttttgagcgt ttattacccc caacctaaat acagtccgtc tgatacgctt 480
 gtggtgtcaa gtatggtaga cttatcttga gaataaaagc tttctctggt caaaaaaaaaa 540
 aaa 543

<210> 3978
 <211> 332
 <212> DNA
 <213> *Aspergillus niger*

<400> 3978
 cagggtgttt ccacgcccgt cttgaggctt cccgcaagta cctcttcggt gccagggcg 60
 tctacggtgc caactacgac tgtgtcatcc aggggtgtctt cctgggtccgc ggccaggact 120
 cccagcccgc tttcgaggtc ggccccgact gggagagcta cgagttccgc aagctcgacc 180
 acaccaacct cgaggaccgc aagctcatcg aggaccagtg ggcttgggat gtccccgtcg 240
 tcattgacgg caaggagtac cccttcgctg acggccacgt cttcaaataa gctggtgcgt 300
 tagacgtagc caattcatga tgatgatatc cc 332

<210> 3979
 <211> 561
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(561)
 <223> n = A,T,C or G

<400> 3979

ctgcaacgcc	atgggtccccg	gtctctcttg	tggcaagatg	agctccagt	aagaagacag	60
caagatcgac	ctcctcgaat	ccgttgacag	catcaagaag	aagatccgca	aagcgcaggc	120
cgctcccaag	gaaatcgaca	acaacgggat	cctcgccctc	gtccagtacg	tcctgttgcc	180
ggtgtccgcc	ctgaagactg	gcaagccgga	gttccgcgtc	ccccgtgatc	gcgacggcct	240
ggagcctctg	gtgtacaccg	acatcgagaa	gatgcacgaa	gactacaaga	acgacattct	300
ctcccccaa	atcctcaagc	ccgccgtcgc	cgacgccatc	gtcgagctta	ccgccccatc	360
cgcgcgggct	tcgacgcaac	ccgactggc	aggaagtcac	gcttgaagct	taccgctcg	420
gcccgaacag	aagaaggaga	agaacagaag	acaagggttt	cntacctgt	gccgtaagan	480
gaacccttag	ccggtgacat	agacgtaatt	gatcggttaa	actnctaata	gtntggcctt	540
tttttttng	gaaaaaaaaa	a				561

<210> 3980

<211> 392

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 3980

atcctgccac	gcccctggag	ctgtctcggg	cgcgactctg	catctcagcc	gcccacacca	60
aagacgacct	ggatcgcatc	ctgcaggcgt	gcgatgaaat	cggcgatgcg	ttggagctga	120
aattctcttc	gggcattgca	ggtggcttga	gggaaccatt	gtctgcgcac	gatagctcca	180
agggaccctg	gacgattgag	cctccccgtt	ggcctctcga	agaggtcatt	gccaggggca	240
cgcacgacgc	aaatcaaccg	ttataactaag	cggatgtcac	cgtttaatgt	gactagaaat	300
aagatattct	aacgccgcat	gatattcaaa	gaatatncac	gcccagaaca	tattacttaa	360
ngccctcttt	tttttttttg	gaaaaaaaaa	aa			392

<210> 3981

<211> 230

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(230)

<223> n = A,T,C or G

<400> 3981

nggaatttta	aggtttacac	ctataaaaga	naragccgtt	atcgncckgtt	tgtggatgta	60
cagagtata	ttatttgaca	ccccggggcn	acggatgggtg	atccccctgg	ccagtgcacg	120
tctgctgtca	aaaaaattcc	cccgtgaact	ttaccggggg	gggcawawyc	ggggataaaag	180
ctgggggcat	gttgaccacc	gattggccaa	ttttgccggg	tccccgttat		230

<210> 3982

<211> 428

<212> DNA

<213> *Aspergillus niger*

<400> 3982

gtcctagttc	acctgctagc	gtcaagatcc	tacaagatga	gctacatcgc	ccgcgcgggt	60
ctctcgacct	tgatccctcc	caagatcgct	tcccccaacg	cgatcggtgc	tgccaaggat	120
gctgcccgc	tggaccgtgt	cgtgaacttc	tacgccagac	tcccccggtg	tgctgcccc	180
gaagttaagc	ccaccggcat	catcggtcgt	taccaggctc	gctacttcgg	aaagaacccc	240
tcctgtctgc	ccctcgctca	cgccatcggt	accatcctga	tcctgggcta	cagcatggag	300
tactacttcc	acctccgcc	ccacaagaac	cacccccact	aagcagctcg	ctttttgggt	360
tctgggagcg	ggagatcctg	tgtatatacc	acacactcta	caatgaagac	gatgtagaag	420
aatcaaaa						428

<210> 3983
 <211> 417
 <212> DNA
 <213> Aspergillus niger

<400> 3983
 gttcgtgtcc ctgaagggtg gatactcgca cccgattgag ctgggtattc cccagggcgt 60
 caaggccagc acaccccagc cgactcgtat cctgttggag agtgtggaca agcagcttgt 120
 gaccaagttc gcggcggaga tccgcgaatg gcgcaagccg gaaccttaca agggcaaggg 180
 tatcttcgtc aacggggaga cgatcaagct caaggacaag aagattcggg gaaattggcg 240
 tctatatctt gggggaacga aactgtgttt attatttctg tacatgtata tccgagcacg 300
 gttcttttgg ttcgcaattg gtatcctttc tttttatgta ctttttagacg catctagcgt 360
 gcacggtctg acaggactga tcgagaatct attacattca tgatagaaaa aaaaaaa 417

<210> 3984
 <211> 390
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 3984
 caggagtga gacgcggcat ttcagtgata tcttgtccga gctgaagcag gcgctggaga 60
 tacatcgtgc ggcgggggtcg ttcttgggtg gaatgcattt ggagttgacg ggcgagggcg 120
 tgacggagtg tgtgggtggt gctggagggg tgacagagga gggcctgagt gagcgggtata 180
 cgacgttctg tgatcccagg ttgaatgaga agcagggcgtt ggagttggcg tttttggtgg 240
 cgggatttta tagggagtgt gatgaggagt tggcggagga tgaatctata taaccacac 300
 cccttttttt ttggagtggg aaaatggtat ggatagtaag agtaaggtct ttatgaaatt 360
 aatataatgt ttcnggttat aaaaaaaaaa 390

<210> 3985
 <211> 438
 <212> DNA
 <213> Aspergillus niger

<400> 3985
 tggaaatgca actccctcaa tgcgccttca atgaaggcgg cccagcgact gggattcgtc 60
 tatgagggca ccttcgggca gcacatgggt gtcaagggtc gaaatcggga taccgcctgg 120
 ttcgcaatgg ttcgcgatga ctgggaggaa ggggccaaagg aagcgctgga acagtggctg 180
 gaggagggga actttgacca agatgggtcat cagaagaagg ggctccagga tgtgcgagag 240
 gcattgaagc gatcgagatc tgtacagcaa tagaacatgg cgatagatcg actacagcga 300
 tattattgag atcaaaagtc gcgtggtggc agggtagtgt aatggcaatc agcccagatg 360
 atattcctgc agatatctaa taagttatgt ctagataaga taaatagatc tccaatatat 420
 atgattatag acatataa 438

<210> 3986
 <211> 446
 <212> DNA
 <213> Aspergillus niger

<400> 3986
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 tctcagcacc acaacagcca gaaggctcac cgtaacggka tcaagaagcc caagaccac 120
 cgttacccct ccctcaaggg tgtcgacccc aagtccgcc gcaaccacag acacgccctt 180
 cacggaaccg ctaaggctct gaaggagcgc aaggagggca agcgcgagat cgcataaatt 240
 acttccaact aatatagaaa cgttttaaaa gaaatgaaag cgatttgagt tggttgattt 300

gctttgttcc	tttctaccg	acaaacgacg	acaaaggact	ggtcgagaat	acatggatga	360
ggatatcaca	tcccgtcggg	ttaccccgcg	agaccggggt	tgtcacataa	agcaaagga	420
ttcggttctc	tagtgaaaaa	aaaaaa				446

<210> 3987
 <211> 618
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 3987						
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cactcgttca	aatttccaat	tacctttcaa	aatgaagtgc	gctgtcgctg	ctatccttgg	120
cttcgccatg	actgccgttg	ctatcccggc	cgccaagtca	agccagcaga	agctgtccat	180
tgatgacgct	tccggtcaat	gctcgattgg	ggatatctac	tgctgcaacc	ccaccaacga	240
ggaggagact	gacggcgctc	tgaacaatgc	gctcagagag	ggctctctga	ttggaagcct	300
cgtcaatggc	aagggatctg	cctgcgctcc	cacttcgctc	attggtagtc	tcaatctgct	360
tgcctttttc	gaagagggag	aggatgacga	caagtcctac	tgcaagaacg	tcattgcctg	420
ctgccccggc	ggaaactgcg	cagcccttga	tggatactaa	aaagctccat	gaacaagctc	480
cactgggctc	gtgcaaatag	cgcgggttca	acgggnagca	atctggggat	naagctacgt	540
ggggctttat	atcagctcca	accgcttaat	gagattcctg	ttaatggccc	aagcgtccta	600
aaccttggtc	cggccgat					618

<210> 3988
 <211> 498
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 3988						
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cgctttttct	ctaagatccc	tgtccagctc	gatcccccca	aatatgatcc	cataaccgtt	120
gaagagctgt	ccaaatgtga	tggtaccgat	cctaaccgtc	ccaccttggt	tgcgattaag	180
ggaatcgttt	tcgatgtgac	taggaaccag	gcatacagtc	ctagtgggca	gtaccacgtc	240
tttgctggaa	aggatccctc	ccgcgccttc	gcctcttcgt	cgctcaaagc	cgaggattgc	300
aaacccgatt	ggtatgattt	ggaggacaag	gagaagacag	tcctggatga	atggtcacat	360
ttttcagcaa	acgctacaac	attgtgggaa	aggtgaagga	tgctacgaac	tactaaagga	420
acaaatgggt	agcagtgatg	catggagata	atcaaccttt	cgcaatgcaa	gaatatancc	480
gttgactnaa	aaaaaaaa					498

<210> 3989
 <211> 610
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 3989						
gacgccccgt	ccgtctcgca	tcatatctca	cctcctccac	ttcctcgagg	tctccgttcc	60

tagatcacca	tgttctccgt	tcgtgtcgcc	cgcgcgggcc	tccgtgccac	cgcccagcag	120
ttctccgttc	ctcgcactgc	cgccgtcaac	ggctctgagga	cctatgccac	cccggcccag	180
gatgtcaagc	ctcctgtctc	cctgttcgggt	ggtgacggca	cctatgccac	cgctctgtac	240
actgcctctg	ccaagtccgc	aacctcgacc	agaccttcaa	ggctctcgca	gcctcgggtca	300
gacctnaag	gccgaccgca	agctgatcac	cacctctctc	gccctaccct	actgtcgccg	360
acaagcagca	gattgtccag	gagctgcaga	agggtgtctg	tgccgacaag	ggcgacatcc	420
tcaagaactt	cctcaacact	ctggctgaga	acaaccgtct	cggctctcctc	gaggggtatct	480
gcgagaagtt	ctccactctc	atgggtgctc	accgtggtga	gatcgagctg	aacataccag	540
tgctcangag	ctngacacca	agactgtcaa	ccgtcttgag	aangctgggt	ccaagtctga	600
gntcaaccag						610

<210> 3990

<211> 557

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 3990

ctctccctca	aaccaacact	actaaaccca	ttaaaccact	caacaaagca	atcataatgg	60
cctccctatc	gcgcgtaacc	cgcataca	acccagccct	ttttatctgc	gacctccaag	120
agaaattccg	ccatgccatc	tacgaattcc	caaaagtagt	aaataccaca	accaaactcc	180
tccgcgccac	gcaaccctc	caaatcccaa	tctacataac	cacccaatcg	cgcgcaaac	240
tcggcaacac	ggtgctgaa	ctcactacac	atttaaccaa	ccaccgctt	gtgcgggccg	300
accttgacaa	aacctcttc	tcaatgatca	cgcgcgagat	ggaagcgctt	ctcccatcgc	360
ctgagaangg	ggagaaggcg	ttggatgtga	taatcgtggg	gattgagacg	catatctgtg	420
tggtgcagac	gacgatggat	ctggtgcgga	gaggacatcc	ggtgtatgtg	tgtgtggatg	480
gggtgagtag	tgtgaataaa	agangagang	gggattgcgg	tgcagangat	gacggatncc	540
ggggcgattg	tgaccac					557

<210> 3991

<211> 624

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(624)

<223> n = A,T,C or G

<400> 3991

tgctcgtggac	cagttccgcc	tcgtctggct	caagaccgag	gagggcatga	agccctccaa	60
ggatgccttc	aagtcccacc	tcaagaacta	catgaagaag	gtccttgcca	gactcaccga	120
gaccggtgcc	tccaaggaga	ccatcgatga	gttcaaggct	ggtgcccccg	ccgcggtcaa	180
gaagatcctt	ggcaactacg	acaactacga	tgctctgatg	ggtcagttcc	tggacgggtga	240
tgctatgcac	atcctgattg	acttccgtga	ggacggtgtc	acccctctcg	ctaccctctg	300
gaagcacggt	ctccaggagg	ttaaggtcta	aattcagaca	ctgcagtcac	gcgaataaat	360
gttgtcatga	attgaaaaag	aaagagaaga	gacactgaag	atgcgatgtc	ttaatacagag	420
caattaaagg	tccccggaaa	gtagcagtc	aggcttttgg	aagcctggga	tcccgcctatc	480
gcgtccctct	ggctattgct	aattatcttt	ccttcacatc	ttgatatac	atcatgtctc	540
tgctcgcac	atcttctgct	tccttcttga	ttaaagtcac	gcctcatgaa	atcataactg	600
gtacgncttt	tttaaaaaaa	aaaa				624

<210> 3992

<211> 626

<212> DNA

<213> *Aspergillus niger*

<400> 3992
 ggtgattgtc gtggacgaca tcattgctac tgggtggttcg gcgtatgcgg ccggtgaact 60
 catcaaccgc aaggggtggtg agctgatggg cttcgttttc ctccctcgagc tcgagttcct 120
 tcacggacgg gacaagctgc ctgccccgt ctacactctc cttactggcc aggagaccaa 180
 ggcttaatga ccctatgaca tgcattcgaa caatacctt atctgtttgg aggtctgcac 240
 gcacaaaaac ataaaaaaaa cacaatgcg ctcactcgct accactcacc tgggaagtgg 300
 tcggtcatgc cgcgagactat gcggcagcaa ccctaccggg gttcgccaga gatcgctacg 360
 gaatcgatcg cgccgactag atggtcggca tgggacatga tagacaaagc aattgaatcc 420
 ccactcgccg ggaacggcac cgaaacgaac gtgacgtgtt ctcttcccca gggctataaa 480
 agttgaaaca cttgatcttt actttattct acacgagtcg atgtcagtcg ggcgtggcat 540
 gcatttttta aacgtttttg catagactat gaaatagcaa tgacacaatg aaatgtaata 600
 atacgctaag cttawaaaaa aaaaaa 626

<210> 3993

<211> 595

<212> DNA

<213> *Aspergillus niger*

<400> 3993
 ggtgaagaaa gcaggaatgg acaccactcc cctaggcacc gaatacgtca ctcacgacat 60
 tgatccctcg gacattgctt tgggtgcctat tctccgggtct ggggtgggca tgatagaggc 120
 aataaataac ctctcccca cctccatccc aatctaccac ctccggtctct tccgcgaacg 180
 tctcacctc caaccagtcg aatactacaa caacctcccc ttccagcccg acagttccag 240
 caccaacacc gccgctgctg caacagccat cctactcgat cctgtcattg caacgggtgc 300
 taccgcagaa gcagcgatcc agttactccg tgaatggggc gtgcagagag tcgtcatgtt 360
 gagtgtgctg gggtcggaa cgggcggtgct tcgcgcagcg gggacctggc ctgagggcgt 420
 cgaggtgtgg actggggcgg tggatgcgag gtgtgatgag cgggggatga ttgtgcccgg 480
 gttgggggat attggggata ggttgtttgt tgcgatgggg aaagtagatg ctagctgggg 540
 agcgtgaac agcaggatac ttatactaac taggttgtga acgtgaaaaa aaaaa 595

<210> 3994

<211> 301

<212> DNA

<213> *Aspergillus niger*

<400> 3994
 gcgggtcgct ggaagtgtac ttgtcagcac tcagagcgat gactccgtgg agtgggagag 60
 tgatcccaac cgagaataca ccgttcctca ggcgtgcgga acgtcgaccg cgacggtgac 120
 tgacacctgg cggtagacaa tcaatccatt tcgctatagt taaaggatgg ggatgagggc 180
 aattggttat atgatcatgt atgtagtggg tgtgcataat agtagtgaaa tggaaagccaa 240
 gtcattgtat tgtaatcgac cgacggaatt gaggatatcc ggaaataaaa aaaaaataa 300
 a 301

<210> 3995

<211> 173

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(173)

<223> n = A,T,C or G

<400> 3995
 tgcgggttac acagcccggc cagcaattga cggaggtcat tggctgcacg accgtgacgg 60
 ttggttcgga tggaaatgtg cctgttccta tggcangng gctacctagg gaatggattc 120
 cgcttganaa gttggcaggn agcaagaatn tgtagaannt cgtgaagggg gga 173

<210> 3996

<211> 626
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

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<400> 3996
ncctggataa gctgaaggcc ttccccgagt cttccgtcta ccgccagtct accgaagcat      60
tgacccgcca ccgtctgcag attgtcgagt ctacgaagcc gcccggtttt gatgcttggt      120
tggagcgtgt gaagaaggct gtccgtgaag agcccgagcg ttccgcctcc cttcgccgtc      180
ctgacggtac atatgccgcc tggcagcgtg atgacggttc cgacaacccc cgcggtgagg      240
aatggaatgg agagagcatc gaacctacta ccgagggccc cgctcgtacg gcagargaag      300
aagctcggtg gcacaaggsc attgaggagt ctamcaagcc cactgctgaa tcagacttct      360
acaccgcaca gatgaagtgg gaagaatgag cccgccctgg aggctgagca gattgccgaa      420
attgagagac agattggcgc cggcctgata gaggaggtca ttgangttgc tgagggcgag      480
ttgaaggttg ttgacgagct gtacaagaca tccgcttggg aagagctttc ggagaagccc      540
agaccgggtc agtggtccta ctttgagcgc aagancgagt aagcatagaa tgttttctca      600
tgaaaggaag gtccgaaact aaaatg                                     626
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<210> 3997
 <211> 403
 <212> DNA
 <213> *Aspergillus niger*

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<400> 3997
aaaactaatc cttcaaaatg catcttatgt actctctggg ccccgatggc aagcggggtt      60
acaccctcaa gaaggttacc gaggacggtc gcgttaccaa gagtgcacac cccgcccgtt      120
tctctcccga tgacaagtac tctcggcacc gtgtgaccct caagaagaga tacggtctgc      180
ttatgaccca gcaagccgac aaggaggctg ctaagctgta agctggttga cgggaataaca      240
tgattgagat acaaaaagggtg ctttgaatca ttaatggcga atggtgttat ctatggtctt      300
tggacgatga gaaacttttg ttcggtttct gtgcggtgcc catggccggt atcttagtgt      360
gcaaaatata ccatccaaga atttgctcta taaaaaaaaa aaa                               403
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<210> 3998
 <211> 397
 <212> DNA
 <213> *Aspergillus niger*

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<400> 3998
caagaacacc ctttatgtct tcgtgccag caagcttgct ctccggccgtg ctaccggtgt      60
ttcccgcccc gtgattgcgg ccagtatcac caccaacgag gccagtgacc tccagggcca      120
gatcaagacc atcaaggaca aggtcgagag actgatgatc taagcgttgg tcttggtgtg      180
gaaaccctcc ggaggattat gcctccgcgg gttgctaaga ggaatctatt gtgacttcgg      240
gagttggccg gccatgacag acgaggtttt cgccccacag tgcgaaaaca agtgtcgatg      300
aatggttttg atcgctaccg gatgctcaat tggatgctgt gggcggttgt cgccctggaat      360
tagtgcagat aaaagtcaat gacaaaaaaaa atgtgcc                                     397
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<210> 3999
 <211> 206
 <212> DNA
 <213> *Aspergillus niger*

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<400> 3999
tcgacaccac cgaaggctcg cacggactcg tcaccctcct tgttggtatc tccaaggtag      60
aaggcaaaga ccggctcgtc gaggagtccc tggatcaagca tgttgagac gaacacacgt      120
gatgttgtga atggttttcc tcatgtttgc agcggttgcc ggatagattc tagggatctt      180
caatggaaaag ccggtgatat tatttg                                     206
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<210> 4000
 <211> 622
 <212> DNA
 <213> *Aspergillus niger*

<400> 4000
 ctccatcttc cctgaactgt gccctcagga taatctgttg tgggtacata cactcgtgat 60
 ctctaatagaa tgtactgttt cgcggttata atcattgaaa taatcatcat ctgcgtttat 120
 ctccggagaag ctattttcaaa aggtaccaa caggcctgtt tgtttcgtga caactatgac 180
 tctatcacgg agagtggcct atcgatctac ggcctttcag cggactcgcc gaaggcaaat 240
 accacgttca aggctaaaca aagggttgcca taccctcttc tctgcaatcc taccgctaca 300
 ttgatagcag ctcttggaact caaaaagtcg ccaaaaggca caattagagg agtctttgct 360
 atcgataaac atggcaaaagt cttgataata caggctggag gccctgatgc aacgcttgac 420
 gctgcacgaa aactggttgc agaattgaag gaacaaagtt ctaaagacga aaccggcac 480
 gcgagtcac cagctaaggc tgaatagtca aagatagtac cagacatata gagacttttg 540
 aagtggccaa ttgctacaag cactgtgtgg cataagcact atatgcagtt ccaaatacata 600
 ctgcgaattc atgccccaga ag 622

<210> 4001
 <211> 323
 <212> DNA
 <213> *Aspergillus niger*

<400> 4001
 ggtgtcgaga actatctgag agccatcttt ggcagctacc ttgccagccg cttcgtgtat 60
 gagtatggta gcagcccag ccagttctcc ttctttgact tcatgaccaa gcgaattgcg 120
 cagctcaacg cgaaccacga ttcttagacg gatatacctg ttttcttatg attgtttttg 180
 tttggtgact tgcattttcc gggaaataca tacctaactg cacatcagca gtgttacgga 240
 tactttaatt atgacgatgt ccattgcatg ggatacaaaa aagacatgaa tactacagac 300
 ctaatacagc acttttgttt tgc 323

<210> 4002
 <211> 262
 <212> DNA
 <213> *Aspergillus niger*

<400> 4002
 aggtgcttgc ggacagcaag ttccgcctga ttctcatcga gtctcgtatc caccgtctgt 60
 ctcgttacta caagtccgctc ggtgtcctcc ccccccactg gcgttaacgag tccgccactg 120
 cttccaccct cgttgcttaa gcgcgtgcac ttcttgtgct ggggtagaag ttgttgtggt 180
 gaagtggctg tcgtcgtggt tgattgggtc gatctggaag ggttgattcg cgatagtcac 240
 gaaataaaat tatgaccaca ct 262

<210> 4003
 <211> 349
 <212> DNA
 <213> *Aspergillus niger*

<400> 4003
 gccactacc tcgaccagaa gagactccgc actggtctgt acagacaccc ctgggatgac 60
 atcacctacc ttctccccgc cctccagaag ggtggctccg agggctcgtgt cgaggctcagc 120
 gtctaatttt ttacttgtct cccttaatac atttacatct catggattag tcataaaatc 180
 cgtcattgtt gacgtcggag ttatgatggc ctgttttctt ttcacccata tttctttctg 240
 catcggtttg gttcgcttca tatctcatct atttcaactt acaatctgta gtggcacatg 300
 tggcatgact cgctgttaaa ggttgatgaa tatcacgcaa cgattaaag 349

<210> 4004
 <211> 496
 <212> DNA

<213> *Aspergillus niger*

<400> 4004

gagaacgacg	ccgcttttcc	ttctttaact	cggctgatga	tgttgacgct	atgattgaga	60
tggcgagtat	cttcggcacc	cgacgcatga	aagctgcagc	agccatgcat	gggcagatat	120
tcgaaacaaa	catccctacc	atcggtgaaa	aggggtatag	ctgggagaaa	cttgtaaaat	180
gggccagctg	tggtgaagag	ctaactgaaa	gtgagaaaac	ggccactcga	ttgttggctg	240
gcctcatgga	gctggatccc	tacaagcgct	tgagtgccaa	ggaagcccta	caacatgagt	300
ttttactga	ccctatagat	catgatgtgg	agtggggagg	ggaccccgat	gatagtgcag	360
acactgggga	agaagatgag	gataaagatg	acggagaagc	ggacgaagta	caatgatata	420
gagcttccga	gccaatgtat	gataatgact	cctggtttga	ttataaacia	agcaattgct	480
attctactaa	aaaaaa					496

<210> 4005

<211> 457

<212> DNA

<213> *Aspergillus niger*

<400> 4005

caggcgctcg	caaccgacta	ttattgttgc	gtgtttgccc	gcgccggctg	gagggcagtt	60
gaagtcccct	attacgatgg	aggtgccgga	gcagtgggtg	aggagtacga	ctgggggtgt	120
tttcattgat	gtggcgatg	gaatgccgca	gaccaagctg	agaattggta	tgaatgaacg	180
agcgagtatg	ggctgggtcg	tggttgatgg	tctgggtggg	ttgttggagc	agggcattgc	240
gcagtatgag	ctgtttacaa	ggaggccggc	gccgggtgcat	gtgatgaggg	gggtattgag	300
ggagtatact	aatgcaacac	ttagcaggta	gtatgtgtct	cgcattgtga	taccatttct	360
gttgactttg	cgaggctctaa	gtttacttca	gtgcattgaa	tgatcagtac	ggagtactca	420
aggtaatcaa	ttcgggtcatc	tgcatagcgc	aaaaaa			457

<210> 4006

<211> 601

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

<400> 4006

acctcatcca	cctccagcca	tgttccctca	gcgcaacgcc	cttcgtctgt	ctcagcgcg	60
tgcccagcag	ctgcgtgctg	ctccgggtcg	ctccaccgtc	cagcgccgtc	tcaacagctc	120
cgactccaag	ctccccctct	gggccgtcga	caacgaattc	aaccgcgaga	gagaggccgt	180
caagcaccac	gctgctgcta	ccagtgatct	gtggcgcaag	ctctccatct	acgccgtcat	240
tcctgtcctg	attgccggag	gtatcaacgc	ctacaacctt	tggtactgag	actgggaaca	300
ctgggcgcac	atgcccccg	tcgaggagcg	taccgagtac	ccctaccaga	acatccgtgt	360
gaagaacttc	ccctggggag	acggtgacaa	gaccatcttc	tggaactccg	acgtcaacta	420
ccacaacaag	gacaaggcta	cctaaatgcc	cgccgttgat	tatgggagta	cagcgctctt	480
gattgatctt	gactgttgac	gggaggggaa	atcaaaagac	atgtatatatt	actgacaaaa	540
tacgcngnag	taagaataac	gaagggcaag	gntctcgttg	gtggagttga	gatancgcgc	600
c						601

<210> 4007

<211> 631

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 4007
gtcatagcag attcaagctg agaacaccac aagtaaatat caccatcat gttaccctg 60
accgtccctg aaaactacgg ctctgtcatt gccgtcgctc tgggtgccat cccgtccctg 120
agcttcgtcc atggcgccgt cgtgtctcgt ctccgcaagg aagctgattg cccctaccct 180
cactgctatg cgaccgtaga gcagtgaag acaacccca aggcgagca gttcaactgc 240
gctcagcgcg ctcatgcca ctcccttgag aactccagcc aaactatgct ctccctcctg 300
gtagctggag tgaagtaccc ccagttggcg actggcctcg gaagcatctg ggtcctcggt 360
cgctcactgt tcctttacgg atatgtgtac tccggcaagc cgcggggtcg cggctcgttg 420
tacggcagct tctacttgct tgcacagggg gctctctggg gcttgacgct ttttgagatt 480
gcgagggagt tgatttccta cttctaagtt tggactgaat ccgtgggtgtg attgangtga 540
ttggcgatgn ttggctatac cagctatatg gaataatctc tactggatac tactattcaa 600
cgcattttac tatgcgtgct gntaggggtcg g 631

<210> 4008
<211> 406
<212> DNA
<213> *Aspergillus niger*

<400> 4008
agtaaactcta agagcgctca ccacggagac ggcgagcaag ctggatgtcc ttggactgga 60
tgggtgacacg cttggcggtg atggcgacaca ggttgggtgtc ctggaagagg gagacgaggt 120
aggcgataac ggggtttctt tttctttaat tttcatgact actggcgata catgatgggt 180
ttgcgaattt taacgggttt cggcactggg ttttcgttat ttcttgctgc gcaataaata 240
gtagctgccc attcagcggc tgggtggaat tgatcctggg gatgcatccg aatatgtaca 300
ttaaagaaag cttttattcg acgtgacttc cttcggggag gccaccggat ggcatagacg 360
cgaaatgcag tatctatgga acaatccaac ccggtttgag atcgcg 406

<210> 4009
<211> 587
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 4009
cagctattcg atcgggagaa ctgtccctat gagtcctaca gagagatgga gttcaccgca 60
gctcttcagg tagcacggat ggcttatttc catcgacact ttttgggggt tccccggcca 120
gcacgttcag aagaggactg gaagatctcc cccatatttg cgcctgactt ttctggacta 180
gcacctgcbt tggctctcac cgccgaaatg gatcctctgc gggacgaagg ggaggcctac 240
gctgccaaat tgaaagctgg cggttgtcga gtggaaatga tgcgtatggc aggagcacc 300
cacacatttg ccatgttgga tggcatctta gagagcggcc gtatatatac cgagaaggtc 360
atcgaagcga tgaaacggga actaacaggg taaataatca attggttcgg ttgaagggat 420
atcgaagatg gagagcagtg ttagtgaga gcgactagaa gatggaaatg cggagagaca 480
gcaggatcat ggtttatccg acgagaatct ttaccgtatg ataccattta ngccgggcag 540
cgaangtgtg gcagacgggt aaccggcgct ctgaacatta ccggggcc 587

<210> 4010
<211> 495
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

ctccatccct	tactcaaatt	caagcaccac	tcgcaaata	gatcgtcgct	aaggatcatg	180
acaccaccg	cagccgtgga	ttcgggtttg	tccgcttcgc	cagtgatgtt	gaggccgacg	240
ctgccatgaa	tgccatgaac	aaccaggaat	tcgacggccg	tgatcatccg	gtcgacaaaag	300
cctcggagtc	gagaccgcgc	atgggtggag	gtggattcca	tgagcgcggt	ggctacaacc	360
gtggctacaa	cggcggcggc	tggcgttccc	agcagcagga	gcctgaggct	acagagtaag	420
ctgcgcaagc	tattatagca	ttgccgatga	cttactgtgg	accggtctct	tgncctatct	480
ttcatttctt	ttcacgcttt	tttcctcttc	tcgcatgtca	actgctggta	agtcccttng	540
gacttaaagg	ttgggataag	aacacgggcg	catgctacca	acttttatga	tgngnactta	600
cgacgaaacg	acccctgc					618

<210> 4014

<211> 419

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(419)

<223> n = A,T,C or G

<400> 4014

attcactgag	cctattgctt	catttcaatt	ccattcctca	tcattgtcgtg	gctgtccggt	60
tcctctaaca	ctgagaaggc	tgctgcccct	gctcctgccc	agtcggcacc	tgcggaagag	120
cccaagccat	gctgcgtttg	caagaccgaa	aagaccgccc	gcgatgactg	catgctcttc	180
ttcaagaccg	acgatcccac	acaggagtgc	aagcctctga	ttgagcagta	caaggcctgc	240
atggctgggt	atggcttcaa	ggcttaagtt	gcactatacc	cgactgctgc	cgggacagct	300
gcacaatgag	gatgatacat	agagttcagc	gcattgcaat	attggtgttc	ggttatgggt	360
tattctgggt	tacatgtatt	gnataggcat	ttcgacgtct	ataggtggaa	aaaaaaaaa	419

<210> 4015

<211> 603

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(603)

<223> n = A,T,C or G

<400> 4015

ggcaagggca	accactccgc	caatcatatc	cagaaaatca	agccccgagt	agagcaagtc	60
tgccaggaac	tcggtctcca	gtacgcgact	gaggagaacg	cagggcgcat	ttatgtgaat	120
ctgactgggt	gaccggcgga	tatggagact	gcgccaacgc	ccaatcatcc	tcactatcag	180
caataccctc	agcatcaaca	gcattccgtc	ggtacctatg	ctcaccgcga	tcagcagcag	240
cagcagcaat	atcccgggtc	gcaacagcag	cagcaacagc	agcagcagca	acagcagcag	300
cagcaacaac	agggtgcggg	caaccaggat	gagatcgagc	agggtggtaa	tgcggttctg	360
cctaagattc	tcaataagct	ggagaaggct	tgctgtgtgg	tcattgtgaa	aggatttgag	420
ggacactggg	ataaagattt	tgtttgggca	aaagagtatt	ttttggccta	tacatgatat	480
gatattgtgt	tggtatagac	aaagaagggt	gcgtgagcag	acacgactga	tcattggact	540
ttcgcgcaat	tggcatttgg	cgggaagatt	acatatatcc	cgggctgngt	ggtggattaa	600
nat						603

<210> 4016

<211> 460

<212> DNA

<213> *Aspergillus niger*

<400> 4016

gccccttcga	ccagcgaccg	tctatatcga	tctgagaaag	agccacatcg	cgcttcaata	60
aaaacattca	caatggaaag	cctacttgca	ccgattcaag	atgctttgga	agggtcaaatc	120

gactttccaag	gccagcgc	at	tgcagagctt	cttagcacag	tgcttcttgt	tctgtcgggt	180
gccgttgctt	tcattgttgg	atacatcttc	caggatattc	atctcacact	ttgggtcggg		240
ttggccggca	cgttaataac	tggttggcc	gtcattccgc	cttggcctat	gtacaataag		300
aatcccgaga	aatggcttgt	tccttgaacg	gcgggcggtg	gaggtggtgc	argcatcatg		360
gtagatggag	ttaaggttgc	gtgagacaaa	agtcgcggac	tttgacatg	tctaatttat		420
atcctgaatc	aatcacaact	tgtccgcctt	gaaaaaaaaa				460

<210> 4017
 <211> 181
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(181)
 <223> n = A,T,C or G

<400> 4017	
nttgccttat	agggaggcnt
ggaaaacctg	gggttaccca
gcgctaccg	aaaaggccnn
n	

<210> 4018
 <211> 451
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

<400> 4018	
cgctgttttn	ttttnttttn
gagactaatt	tactcctcgt
atcacgctgg	ccgctctggg
accgaccgcg	tttgnccaac
gcctgcatgg	ntcagcaata
gttgggggtt	aaaggcgggt
aatctgggtc	gtgggtcggc
caaagctaaa	aaaaaaaaag

<210> 4019
 <211> 641
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 4019	
ctttcgctgc	tctgcacaca
gattggcatc	aaggattatg
gaagcttgtg	gaggagttaa
ttggtgatac	caaggccggg
agaacatgga	ggaggagctt
acgacccttc	gcagcttgag

ccccactgc	cgacaagatc	atgcagaccg	gtgtccgcag	ctgggagctg	cctgagcaca	420
ggcccaacct	gacctcagc	cgtgctgctt	tcaagacctt	ctctactacc	cgccccaagt	480
actccgcctg	gactcccggt	tgcggcgccc	cggtanacgt	cggtanagcg	ttngnctaaa	540
aatcagacca	tgttccaaaag	atgtgttaaa	taaatanagat	gtcctacttt	cccgttttga	600
accaaaaana	aaaaaaaaaa	agcggggccg	tcnaacaatc	a		641

<210> 4020

<211> 902

<212> DNA

<213> *Aspergillus niger*

<400> 4020

gagagatcgg	tccccgcaa	ttaaactctgg	ctcgggttat	tgcccttcat	tgtctctctg	60
acgtctctaa	tctcaccct	cgcgtgccac	tttctgcaac	ttcttccttc	ccaatttcat	120
tcttacgagg	cttggctctg	ctgtgcttct	ctcttgagcc	tcgtctctct	tttatctagc	180
caaacgaaat	cgaattctta	cagcgggaaga	gttctgggtat	atttacacga	cggatttcag	240
ttgtattgcy	gccatgtcta	ctccagagcc	acttccaaac	ccccagcgtg	tcatcaccca	300
caccgatccc	gagaccggca	tctctcactt	caatacgacc	ctggatgaaa	gccttgcggt	360
caagcaggat	cttggagggt	ccttgttccg	tttgggatac	atcacccgac	agaccccaaa	420
cacgctcgat	ggcaccgatc	tcacgaacta	cattgagtac	ctggagactg	ccagcgttcc	480
tcccgtcacc	ctccccgacg	gtcgtggcat	gatgtgggtac	atcgataccc	ctcctggtaa	540
aggcagtcct	gtcaccgcga	ccgtcagctt	tgacgttggt	atccagggtcg	caggcgagat	600
cgaagtgcag	ctcgaatcag	gcgagaagcg	tatccagaag	ccgggtgaca	tgtcatcca	660
gcgcgctacc	actcacactt	ggagaaacct	cagcaaggac	aagtgggccc	gtatgggttg	720
tggtatgtac	tcgagcaacc	ctgtggttct	caaaaatggc	accgtacttg	gtccttctgg	780
actctagtcg	tctcatcaac	aatgggtatag	gctatttggtg	tctacatagg	acacccaatc	840
tattttcagg	caaataattct	tttttttcac	gtgcctcggc	acctaagctt	ctagagtcaa	900
aa						902

<210> 4021

<211> 517

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 4021

cttgaccggc	gtggaggaag	acgacaagcg	cangctcgaa	gtaactgggg	agatctcggt	60
gggcgaaatg	gtcaaccgca	ttcgaccggt	caatattcaa	caattggcga	gtgtgacggt	120
cactccgagg	gcttttctgg	gcacagtggg	aggttccatc	tatctctttg	ctattatcaa	180
cccagagcac	caggacttct	tgatgcgtct	gcaggcaacc	atggcgggca	aggtcgagtc	240
gctgggaaac	attccattca	atgagttccg	tggtttccgc	agcatggtgc	gagaggctaa	300
agagccgtac	cgctttgtgg	atggcgagct	gattgagcgg	ttcttgacct	gcgagccaag	360
tctccaggaa	gaaattgtgg	actcagtggg	catgatgaac	gttgatgaag	taaagattat	420
gatagaagcc	ctgcgcangc	tacattgagt	gtggcaagta	ngatctgaag	agcaataatg	480
attgagttat	atatggtaaa	gacgaggtaa	aaaaaaa			517

<210> 4022

<211> 451

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 4022
gcactcccca tgatagaatc actaggcgga ttcctcgttg tcggtggcctt cctcgtcacc 60
gtcattgtct gtgccgtgat gcccacatgtc aacggacagc cgtacgccac agacgacttc 120
gtctggcgcg actggctcaa cgaggetgga tacagtagcg acggcttcgt cttctgtctg 180
ggaatgctga acggtgcctt cgccgtcggc acgcccagcg tcatctccca tctggccgag 240
gaggtgcca aaccggggaa gaacattcct ctgggcatgc tggctcagta cgtgatgggc 300
ttcttacagc cttcctctac ctgattgtca tcttctacgg tatcaccgac ctgaacgccg 360
ttctcgaacc cctacttttt cctctgaccg aaatctacct caaatacggc accgcggngg 420
tttttngact gataatngct catgctccgg t 451

<210> 4023

<211> 256

<212> DNA

<213> *Aspergillus niger*

<400> 4023
cgcgtaatgc ccagtcgcc ctgctccttc ggtagacaga tgctgcaggt gcacaacgtg 60
cactatttgc tgtcgtgat gggatcggcg cggcaggcga tcatcgagga cgggttcccg 120
gcgttcttgc gtgacttctt tgggaacttg tatggagaga agacaaatta tccggagtgg 180
gtagtgacgg ctctgcgggg ggtgggagta gatttgatgg agtaatagat accagaataa 240
agcggagtag tatgcc 256

<210> 4024

<211> 435

<212> DNA

<213> *Aspergillus niger*

<400> 4024
cctcgttcg agcagacgat aatggagatg cagccccaac ccttggtgc cattgagctc 60
atccacagac agcccgctccg ctggacgaaa aagcgcgtcg tcagctgtga cggcggtggc 120
ggtcccctgg gccaccccaa ggtcttcac aacaccgaca agcccgagat tgctacctgc 180
ggctactgcg gtcttccctt cgcccacgag caacaccgtg cctacctcaa gtccctcccc 240
gccaccagct accctctcga gcctaccggt gacgccgccg aggtgaacga gagccagcgc 300
gtgaccgagg gcggattcga gcagcggtaa agattgattt tataggcgtt gacgatgttt 360
tgtttttacc ctttagccat acggctgttg tacagatgta ccagggtcaat gaagtcgtta 420
gatcgaaaaa aaaaa 435

<210> 4025

<211> 446

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(446)

<223> n = A,T,C or G

<400> 4025
ctgcgacca atagcgaagt tctgggcccc cgacacattg gggatcatgtc tggaccagac 60
atcaatcatt cttgccgatg cggttgtcag tgcgttagc gatatgacta tcctcattct 120
tcccctacct ttgacggtag ggttgcaatt gccgatgaag aagaaattgc gagtcatggt 180
cgtattggga gccggcgag tagcatgtgc atcgagtatt gtccgtctga tcctcattat 240
tttgacgggg caatcgcagg acgggacact ggctttcatg cgcattaaca tgtttgggaa 300
cgccgagata acgattgggg tcatttgtgc ctgcttgccg cctttcagcc ctggctcccg 360
taccaccgcg aatatacagc acaaatactg agtcataaga acaccagcat nacagtacga 420
gtgacaaggc agaatanctg ccaatc 446

<210> 4026

<211> 391

<212> DNA

<213> *Aspergillus niger*

<400> 4026

gacctcgtct	ctgaggagac	cctcaaggcg	tggggttcca	aggctagcaa	gaagtatgtc	60
gacatccaga	ccagcaagaa	ggcccgaag	gctgctgaac	ccttcctcga	atggcttgag	120
aacgccgaga	gtgaggagga	gagcgaggag	gagagcgact	agatcagcga	ctcggcttgt	180
cgcagtcac	tgtctgctca	gtagacaatt	ttcgggacta	cttgggtttt	gtcgcgtgat	240
tgtttcgttt	gttccaactg	atctccgctc	ttttcggatg	tgacagtttc	gctctgccta	300
ttgtttgttc	cagaagtttg	aaataagctc	atcgaaaaaa	cattagtcct	aggtagctgc	360
caataatata	gctctgcgta	tttgtgctag	t			391

<210> 4027

<211> 616

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 4027

tctcaatcaa	gatttgatca	acttctagct	ccagcggccc	cagccccctc	aagccccctc	60
gccgatcgcc	acacttgatc	gcaggtgaca	gtaattgtat	tagcaagatg	agcgaagcctc	120
tcccatcgct	tttccaagaa	catcctcagt	tccaagagga	gacttcgctc	caaaagttcc	180
gcagacgtct	caagggaagag	cctctgatcc	cgctaggatg	tgctgccact	tcctacgcac	240
tttaccgggc	ctaccggtcg	atgaaggctg	gcgactccgt	cgagatgaat	aagatgttcc	300
gtgctcgat	ctacgcccag	tttttcaccc	ttatcgccgt	ggtcgccgga	ggcatgtatt	360
acggtagcga	gcggaagcaa	cgaaggaggt	tcgagcagat	ggcggaggca	cgcaagagcc	420
aggaaaagcg	ggacgcctgg	ctgcgggaggt	tggagattcg	tgacaaggaa	gacaggggct	480
ggcgggagcg	tcacgcggct	attgaagccc	gcggcggaacg	aggccgcgaa	tgctaagaaa	540
tcgttccctt	gagcangatg	ctgctcgctc	tgctattgag	cctttcgaac	agaagtcaat	600
cgggggtacta	attgct					616

<210> 4028

<211> 615

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 4028

tggaaagatc	gtcctcactg	gtgctaaggt	ccgtgaggag	atctaccagg	cgttcgaact	60
gatctatcct	gtgctttcgg	atttccgtaa	agtctaaaag	ggcatcgctt	ttctcaggaa	120
gatctcgacc	acctcgtcct	tcccatcttc	atcaacttgt	attaacactc	ggcttttccc	180
cttgactggg	cccgcgaggt	tgtactatga	acggacaacg	cgcttcaacc	cagcacggct	240
gatgcttttt	tttctgttcc	gattttcttt	ttttccttct	acacctttgc	acatcacgat	300
tttcatgcta	gcactgttac	ggcgttcgag	cgattggtct	ctattatctt	tttttccttc	360
ctgttttcaac	aaacaaaagt	tctcaccatc	ttagatagtc	gcacaccgca	gattcaaggg	420
ggcggtactg	tgcgctggtc	gaatggttgc	ctccttctaa	ttattggttt	tctgttcttt	480
gcctattggc	agtgaccctc	gagtgatggc	caaggttatc	gctcgangtg	gttcggacct	540
ccgangactt	gcttgctatt	gattcggagg	gttaactctc	aagctcaaag	canccaaaaa	600
aaatctttcg	tgtn					615

<210> 4029

<211> 290

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(290)

<223> n = A,T,C or G

<400> 4029

ccggncttgg	catcgaagat	ggaggagtgg	tcgctctctg	gtacgacaac	gagtgggggt	60
actcccgcg	tgtcgtcgac	ctcattgcct	acatctccaa	ggttgatgcc	cagtaggaat	120
caggacggca	aactgaattc	agaagtgtgc	tgtgagtgg	actgattgcc	gagcgcagac	180
gactctcgtg	gaacccggct	tgtggagaag	cttgagaagg	tcttaactcc	tagcgtaaaa	240
gctcatgatg	acgtacaatt	taatgaaatg	atacaatggt	catatttccc		290

<210> 4030

<211> 622

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(622)

<223> n = A,T,C or G

<400> 4030

cctcctttct	cccttttctc	tccagactta	tacctctact	ctctgaatat	catatcatct	60
ccatttatct	ctctactacc	tttatccaaa	actcacttca	ttcatcatgt	ctgaacgctc	120
caccgtccac	gtcagaggca	ttgcctccgc	taccaccgac	aaggagggtc	aagatttctt	180
tagcttctgc	ggaaagatca	cccacatttc	cgtgaccccc	gtttcaggcg	aagctgatgc	240
ccaaaagtcg	gccaccgtta	ctttcgaaaa	ggaagctgct	gctaagaccg	ctcttctcct	300
cgacaacacc	cagcttggtt	cctctctcgt	gcacgtcaag	gctgcccaga	gcctcgacga	360
catcgccggc	gagcangccg	ccagcgccgg	acaagccaag	gacgagtaca	accacgacct	420
cgagcaagag	gacaagcccc	gttctcgcgt	tgtagctgag	tacctggccc	acggctacan	480
cctcagcgac	aatgccatcc	agaaggcant	gccctgggac	aacaagcacg	ggttctcgtc	540
gcgcttcaac	aacgctctgt	cttccttcga	ccaagaagtt	acaatgccac	gggccgttgc	600
tcgccggtct	gggacganaa	at				622

<210> 4031

<211> 367

<212> DNA

<213> Aspergillus niger

<400> 4031

tccagacctc	tgtgaggctc	atccttcccc	gtgaattggc	gaagcacgcg	gtgtcggaag	60
gcaccaaggc	tgtcacgaag	tactcgtcgt	ctgccaaata	agcattttct	ttcctttttt	120
ctttctgcag	gattgttctt	ttgctacctc	gtcatctggt	acggttttga	ggtggtgggt	180
tacagggtgt	tcgcgggatt	ctaattgtgtc	atgggatggc	tttatttctt	tttttccctt	240
tgggcctaat	gttttatggt	tgtttttttt	ttgtgacgtg	aatgcgggtg	aacataactc	300
ggatgtgggg	ttggttgccg	gggtttacct	tccccagcag	aattcgaata	tcaaattgcc	360
tagttgc						367

<210> 4032

<211> 548

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(548)

<223> n = A,T,C or G

<400> 4032
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ggtcttcact attctgaaga atactggggg gacgacgcca cgctatttca accacagagg 120
tgggatgcg cgaacaaggg tagcttcttg gccagaaacg ccgatctacc tggactcgct 180
ggcccgggggt tggaaatatcc tactatccat aaaccgcgtcc gaggtgccta tatcccattt 240
agcgatgggt tccgcgcatg cctgggaaaag aagttctcgc aggtcgaatt tgttgctgcg 300
cttacgacag ttctccgaca gtaccgcacg gagttgcccg acagcagtga aaaggcagaa 360
tcaatgctga aagagtgttg aaccaagcac ctcgattata ccttggctat ggggaggaag 420
taccgttctt ttccaaggag atgaggtgtt tggagaactt atgcctgatg aggatggctg 480
gataaacaga tgccntntcaa ttggttgggtc atgaatcctg aaatngccat ttggttacga 540
aaaaaaaa 548

<210> 4033

<211> 385

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(385)

<223> n = A,T,C or G

<400> 4033
gctgagtgcc tggctgaaga gctcatcaac gccgccaaagg gttcctccaa ctccatgccc 60
atcaagaaga aagncnaact ccancgtgtt tccaaatcca aacgggtaan tggggaattt 120
gggggtaatc cccgtttggn cctgggttttg cgtgtactgg agtggacggg ggggtttatta 180
ggattcagtc gatttgcagc catctgcgcg actgtacata cctgaaaaca gtcacggggag 240
ggagcgagat cctaaaaatg agagaatcgg acggcctttct tctacagtag ttgagatgcg 300
atcatgaaga cctctggcct gtgaagtcaa tacctttatc tattttttta cacgaaaaag 360
atttcctgtt ttcaaaaaaa aaaaa 385

<210> 4034

<211> 188

<212> DNA

<213> *Aspergillus niger*

<400> 4034
ctgcgcgatg cgaagctgta tgaaattggg gctggaacga gtgagattag gcgcattggtg 60
attgggcgtg cgtttaatcg ggaatttgca tagatcccat ccatgccctt aatccgttga 120
tcttatgagg atatgttaca tataaccagca agtcctacct gctttatctg actgaccatt 180
tatggatt 188

<210> 4035

<211> 385

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(385)

<223> n = A,T,C or G

<400> 4035
cccaagccc ctaagtgcgt caagaggatt cttcgaaac cagcatttca aaaaatgtaa 60
tgagtggctt gctgaacgtt atggtgccga cgaagtcatt gactggatcat tgacttcgaa 120
gagcaaaacc agctctcctt ttgccaccat tcaaagcccc gctctcactg gtgccccgaa 180
taagcctatc gctaaagggt cagatgctag tttggaggaa gaggtctcca ggacaacaga 240
gcctgccaag tccaccgagg ccgttgacga gtttgaagac gatctcgatg cgctggaagc 300
cctagcagca gcagaagcga ccagatagtt gctaatactg agtacattgt aagaattcca 360

ggctctctttc cttcanaaaaa aanaa

385

<210> 4036

<211> 273

<212> DNA

<213> *Aspergillus niger*

<400> 4036

ggccgctttt	tttttttttt	ttggcaaact	tcagttgcag	tatacatgtg	tttttaaaaa	60
caactgcctg	tcaacccctc	catccctttt	cataaaatct	acataaaatg	caacccgtaa	120
ttctaagagt	tttgactcaa	tgagtcacgc	tagcgtaagt	gtatcaatgc	aaaatcaatc	180
gggtatttag	aggcgggact	tgagggttggc	cttgagtctg	cgctcaacgg	cagccaggta	240
ctcgcggtga	gtaacccagg	cctcacgctc	ctt			273

<210> 4037

<211> 438

<212> DNA

<213> *Aspergillus niger*

<400> 4037

tggagttcgt	tacggggagg	atggagtctt	ggctcttcgc	taatgcagag	aagaagggtc	60
ttggactgca	gatccgga	ttagaggcta	tttatgcgga	gaagaggaag	cggttggaga	120
agtgttagtt	caaaatgctt	ctttaatcct	tttctttcct	ttgtggctca	ttcacttcct	180
ttttcttttc	cctacctttg	ttctttctac	aatgctccac	tctttgttct	ttcactaata	240
atccctcccc	tttcgacgat	gcacgtgaca	cgtacgcact	ttataccccc	tcattgtctt	300
tccttgtttt	agtcgcagcg	ttggcgtttg	ggttgttgg	tcataattac	atatgtactt	360
atttccttgt	tctttgtctg	ttatttatag	tggcctttgg	tctgaataca	tactgtagtt	420
gcataamattg	cacgtcat					438

<210> 4038

<211> 558

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(558)

<223> n = A,T,C or G

<400> 4038

cggatgaatt	ggaacggctg	ggtggtagct	gtgctattct	caccctacga	attccccgtg	60
acgggtgcta	atctaaacta	cgccccgatc	atcatggccg	gtgtgaccat	cttcgcccta	120
atctcttact	tcgtcacccc	cgaaagcgcc	tggttgcccta	ttgaccgcat	ctcgcatctc	180
atcgacagta	agggtgctga	tgtgcacgaa	tccgttgagg	aagttggtag	tggtgataat	240
catcgtcagc	ctgaggcgac	aacgtcttcc	tcaggggagg	aggagaactg	agactatcat	300
cacgaggcgt	gcctcgagc	aatttttctg	ttgtatttta	cggttggtgg	ttgtcgttgt	360
gatgctgctt	ttgcggttgg	tgatccggtt	gagatggctg	ctgactgatg	gatcgagggg	420
aggaaggcag	gaaagactga	actgctgcac	cttccttcct	gaatgnatgg	atgaaaagtt	480
gcttggtatga	atatatgaac	taaaaggatt	tgtggggttag	gataccagag	ataatggatt	540
ntttcaatga	aaaaaaaa					558

<210> 4039

<211> 636

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

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<400> 4039
atccttgacag gcaattaatt gacaactgca agtccattcg ttcattgcat ctatcgcgag      60
caaaacacca atactttctgt ctctactatg acctctgtct aacaaacacc atcaccgacc      120
caacatcacc cgcccaaacc tacactcacg acatcaccct ttaccaagac acacacacac      180
acacacacac acacacacac acacacgcca cagccagata gaagcataac aaaaccaaaa      240
tgggtcaactg gctcaccctc gccgttccct tcgcctacct cggcgtcctc ctcggctccc      300
tcgcaaccctt ctctctccctc taccgcaagc gcaaagcccg caagtccctc tccctggaac      360
cctgggttccc gccacacacg caacgcgaca tctactttct cctcctacac ctcgaccctc      420
ccgctagcaa tgacaacaaa ggcaccggca agaaaccgcc ctctccctg cccgacagtg      480
tcctgaaatc cgctctctctg cgtcgcgcca tcgaagacat taaacgcgtc atgggcctgc      540
gcaagcagaa nggcgccctc gcgaatgctc ctccancgcg gtantgtccg gggatgattt      600
gtggnaaagg ttctgcgttg ccgagaaaaga aatggg                                636

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<210> 4040

<211> 719

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(719)

<223> n = A,T,C or G

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<400> 4040
agcatacata gatacacaca taccctttct actcaccttc tgccctgctt catttaagat      60
gcctgcagcc ggcccatgag acgaccaatg ggtctctttc cacatccggg accacctgga      120
gaagggcgag atcaccgtcc gacacaccgt catcgaaggt ggtgaattcc acgaccccaa      180
caaccgcaga cagtccctca ccgaagacga gatcgatgaa atcaccatcc cctcgtacgg      240
catcggtgag atctgtgctc gtggtcgccc cggcagcgag ggccggctgg acctcttcca      300
cgacgaggaa aagatctgcg aattgcaactg ggataatcgc cagggcaatc ctgtcaacat      360
cgtcgagatg ctggacagta atagcaagta tcgtgtcgaa catgggggat ggagcccaga      420
ggctggacct ctgggccacg tctacatcga cattttggag cagcagaaga agaagaatag      480
caaataacgg cgtttgggat ttttaaggagt tgtccggcga gttccggatg cagcartgct      540
gcaggagagg gcgttagcat attttgatct gtttctcttt tgaaatcgac tgattgtgtc      600
gagtgtcgta taggagctgg aaatcacatc atactcatag tcaacgcgaa gtgaatattg      660
ttatttcaaa gcttatgaan aaaacaanaa tgacaancaa agnaaaaaag aaaattcct      719

```

<210> 4041

<211> 327

<212> DNA

<213> *Aspergillus niger*

```

<400> 4041
gcttcacgat gtaaccgatg aatcccatga tcaggaaaacc agtaccgaca gcctggctga      60
tcttgatgaa ctgcgcttg tcgggcttct ggctgcggtt gacgaactgc acgccttatg      120
gatgagcaga ctgcgatgac ggcattgtag tctcgtcaa cgcggaggcc agccgttgga      180
attggcatat gtgcataatt agtctgggca ggcgttaggg tgtgctgtta atatatccat      240
tgaactcatg gcaagctatt aaatcaacgc gctgttgggc aactatcaaa gcctatagtg      300
aattatatac ccagtatctg tgtactc                                327

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<210> 4042

<211> 457

<212> DNA

<213> *Aspergillus niger*

```

<400> 4042
cggccctaag cagttcactg acaagaccac tggtagcctg atgatgatgc ccgctgacct      60
tgccctgacc aaggacaagg ccttccgcaa gtacgtcgag ctctatgcta aggacagcga      120
cctcttcttc aaggacttct ccaatgtgtt cgtcaagctc ctogaacttg gtgtccctt      180

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caagactgag	gaccgctatg	tcttcaagac	ctctgagtag	atattctcgg	ggctcttgtg	240
aatattctgg	gttcgggttg	ttttaggatt	tttgctgcgg	agcattgttt	tctcttggtc	300
acattttgat	atccgacatg	ttctcgatcg	atgttcgacg	accatagcat	gcgtcttaga	360
caggcatgtc	ttgccgcggg	gcattaaacc	atacaggggt	ggaaatgtct	agatgattag	420
attaataaac	catccttttg	aagattcaaa	aaaaaaa			457

<210> 4043

<211> 565

<212> DNA

<213> *Aspergillus niger*

<400> 4043

cagggactga	acgccggtct	tgaggatatt	cctgttctct	tttctttcat	ggaccagtat	60
ggcgtgtatg	atgattccat	cagtcccacc	cctgaagccc	gcgcctctgc	ccgtgccgca	120
gcattgcaag	catacaccaa	ccaacgcaca	gccgatacat	gggcatcaa	tgacctgtct	180
aagcaaaatt	atcttgagat	gcgctggggc	gtcaagagtc	cggtttataa	gctgcgcaag	240
atgggtggagg	agacgttgga	tcattatgtg	ccgagtcctgg	gatggcagac	acagtattct	300
cgggtgagtt	tcagtaatca	gaggtattcc	gaggtgatcg	cgtctgtgaa	gagacagggg	360
aagttgctag	gtgtcgctgg	gctgagctcg	gtactgggtg	cggatgatgat	tggagctggg	420
gtgttgatga	ggtggccgga	gaggttgcta	ttgggagctg	tgtggaggac	agtgtttgga	480
agaaattgag	ggaattgtaa	gtatttctct	tttctgagat	tgggtggtatg	cgttataaaa	540
cagcgtgtgt	aagtataaaa	aaaaa				565

<210> 4044

<211> 544

<212> DNA

<213> *Aspergillus niger*

<400> 4044

ctagacacct	actacacttt	tctctccaag	tcaaatcctc	tgacagatct	ttctcgctaa	60
agaggcaata	aaagaagaac	tcacgccttc	ttgaaccatg	gaccagctca	acagcaagca	120
agaaatcaac	gacgccatcg	caaatcatgc	gtccttcatac	ctgatgttca	cggccgtgtg	180
gagtgacgtc	ggcaatgtaa	ccaaggaaaa	gtttgagagc	attggtgcca	aataccctac	240
cgtgtacatg	gcctgggtta	gcaccgatga	ccatcccagc	ctggctgagg	aatgggggta	300
cactgctatt	ccggctaccg	ttgggtataa	gaatggcacc	aagggtggaat	attacatcgg	360
tcctcaatta	gtggaccagc	aggctcaggc	gtttatcaag	aagggtggtct	aacttgggtga	420
gggaagggtt	gatcttctac	ttgggtggtg	ccatttggtta	actagacgat	ggatgccacg	480
agtatatgta	gctagactat	actatcaaag	agaaatatat	tagtcacgac	gtgtataaaaa	540
aaaa						544

<210> 4045

<211> 461

<212> DNA

<213> *Aspergillus niger*

<400> 4045

tgggaaccgt	gaagccagtg	ggtggtggat	atctgtacgc	actggctgcg	gacatccaga	60
ccatccccgg	attgccgacg	gcgcctggat	acttgaatgt	ggatattgac	cctgagaccg	120
gagagattga	cggctctgtc	tagacggtag	attcaacgtc	atttagtgct	tagatttggg	180
actggtttta	ctttcataat	gtcatcgatt	actactgttt	gatctagcat	gatttcttgg	240
tcacgataaa	aacgggaaaa	gggagaaaaa	gggaagggtt	tatttcaaca	tttggcggca	300
ggacttatac	agggccgggtg	ttctcgggtc	actgaaggag	ggtcaacttc	aacaggattg	360
cagtgctctc	ttctggcgat	atacatacag	actactatac	tagaagagga	tccgatgtag	420
aaattctact	gtggagacta	tctcaatatt	gaaaaaaaaa	a		461

<210> 4046

<211> 426

<212> DNA

<213> *Aspergillus niger*

<400> 4046
accacgatca ttgactgccc gccccctct ttctctcttc ttagccgccc atgcgtttgt 60
catcgatcat cccattcact gatttatcat ccccaaggtc gagactcgct tcgtcaacta 120
catatctagt ggcgcattcc ctgggtaccag tacgattcat cagaactact gctcctactg 180
gtccatatca ccttgcgaca tcaactgcat caagccatcg gaacattttt cctctccagc 240
gcatttactc accaccatca ctcccatcgt cgcattcccc aagactaaga ctactatcaa 300
ccatgtcttc cgcaacgacc ttctacgact ttgagcctgt cgataaaaag ggctccccct 360
tccccctcat cgacctcaag ggcaaagtcg tcctcgctcg caacaccgccc tccaaatgct 420
gcttta 426

<210> 4047
<211> 501
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 4047
ggagtggagg aggtgggagg tgtggtgacc gcgatgctca gcgctagata gacacaagca 60
cattctgcaa aatggcctcc atcgcgcgcc agtcttctcc cctcctccgg tcggcgttcc 120
gcgctccctt cgcgactaag aatgtcgcgc aggtcgtggc ttttcatgct tccgctaaga 180
agcagatctt gcctcctttg cctcagacta ttcagggaac gatgaacgac cccgctccca 240
tccccaaagt tcacctacc gagggtagct accactggac ttttgagaga atcgtctctg 300
ccggtctcgt ccctctctgc atcgctccct tcgctgctgg ctccatgagc cccgcatggt 360
acgcgcgcatc tgctccgcta tcgcgtcaact cgcacatttg ggtttcacgc cttcatcacc 420
gactacttcc ctactngccg ggtccccaag accaaacttt atgatctggt tgttccggcg 480
ttaccttaag aacgngtgtc g 501

<210> 4048
<211> 411
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 4048
tggagacaat ttaccacttt gtgacatctc cgccaatgtc ttggtcaagt caacacaaga 60
atgggcctca gccgccaggc ctccctagtg aagcctgagc ctgatcttct ccttgttttt 120
ggttcgtttt taaagctgga tggatacccg ccttggcata tccgcctcac tgaaatgtac 180
tgcaccggtg gtaggaatag cgggataacg aattccgacg aggtctgttg gtaccacggg 240
ttcctcaggg gcctatggca ctacgccggg gctcagatga gattcggccg ttgatggtaa 300
cttttttttc tctctcgtga ctgccaaagc gacccttggt atatactgga gttcaattcg 360
atctataatt gaagaaagcg gcactanctc ggaattttat ccaaaaaaaaa a 411

<210> 4049
<211> 415
<212> DNA
<213> *Aspergillus niger*

<400> 4049
ccatcagact ctagaaccaa atagagccag agccatgtcc taccarcagc aaccgcctcc 60
ccagggatac taccctctct ctgggtggcca gtaccacact cccagccca tgcaatatgc 120
gcctcccca caagaamcct ccaaagaccg tggttgctg accamctgtc tcatacaaat 180
gtgctgctgc ttctctctgc argaatggtg cgagtgtgc ctcgaagccg ccgaatggtg 240

ttgttgtggt	tgtagtata	gtgatgatgg	ctttcctttg	atttcttatg	tgcaaggcgc	300
tgtgattggg	attatacctg	gatcgaccgc	acttgggtga	attcttttta	tactactgtc	360
tatattat	tttggtcattat	catgccaatc	gatcatttgt	cttcatgaat	caaaa	415

<210> 4050

<211> 579

<212> DNA

<213> *Aspergillus niger*

<400> 4050

aacgaattct	gacaaccacc	tgacctttca	tccataacct	acctacctta	ttatccatcc	60
atcttttcacc	tcccccaaaa	aagcaaaact	ataaccctta	accataacca	tgctccgcca	120
atccatcacc	aagtccctcta	ctaccgcct	cctcaccacc	accactactc	gttcccttctc	180
tgctctcgt	cccagaatgg	gtgctggcga	taccggtgct	ccccggccgg	gcggttctca	240
gcatgctgac	tcgttcacca	agcgcgaagc	cgccaggaga	acttgatgt	tcgcgagaag	300
gagatggaga	agctccgtgc	cctgaaggcc	aagctcagcg	agcagcgcaa	gcaccttgat	360
gagctggata	agcacattga	cgagttcacc	aagaaccagg	gcggcgagca	gaactagata	420
actcatctct	ttctctttct	ctacttgtgt	ttcctatcat	atggatgatg	tgatgattcc	480
tacataccta	cctacacctg	scatttaact	ctactctata	tcttcggaat	accgacgaaa	540
tcgaacgatc	aaccagacag	atcagatcct	tttataaaa			579

<210> 4051

<211> 615

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 4051

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gcgattagca	tctttacttt	cacactgtac	tcgcctctgg	tctacggcaa	cccctggaca	120
caggacgctt	gcaacagtgt	aaagtcctatg	gacagctggg	actttgactg	ccacacattc	180
tacactagcc	ttgaccagta	tgtgacccaa	attgtggaca	cgcacgcggc	catccccacg	240
actcaggcat	cggtacaaca	agcaccccc	gttgtgatgg	aacaaccacc	gcagcagcag	300
gtcccgacg	aggtccagca	acagaaccag	gaagtcctgc	aggaggaggc	ccaggaaccg	360
ggtgtcacgc	cccgggctcg	gcacactgcc	aaggcccgtg	tggaataccg	tgatcaaacac	420
ggaaacgtgc	tggaacgaaga	acttgttgct	cagttgaaga	aggaaggtaa	ggtccagttc	480
gagagccgtc	atgagacgaa	gactcgcttg	gagaacggcc	gcattgtcga	catgatcgac	540
ggtcaaactg	gcccgcctnac	cccagcgttg	aangtcagaa	ccctgaaact	gttggaagaa	600
cagccacctn	angct					615

<210> 4052

<211> 392

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 4052

gggggtgagcc	ggtattcggg	gcagggatag	ccgaaggacc	gtcgagcaac	gaggcaagat	60
caccatggcg	gcattgtatg	ctgtgcaggt	cttctatagc	tttttcatca	tgctgctctt	120
catgacgtac	aacggatttg	tcattgctgc	agttgctggt	ggtgcctttg	tgggatattt	180
ggcggttgga	gacaatacat	ctgccagcaa	aacagttgct	tgctcattag	gggcccgaag	240
cacgaaggct	tgccaggagt	actggcgga	actcggcata	ttctcagtaa	tagcttcggt	300

ggatagctgt agtcgtcttg tcgtttgtaa acagcagcag ttgcatactc gtccaatgaa	360
catttatgcy ttcacttgca aaaaaaaaaa an	392

<210> 4053
 <211> 629
 <212> DNA
 <213> *Aspergillus niger*

<400> 4053	
cagcaacaac caccacacac ataaaatggc acccccaaca acatcacccc ccaaaaccat	60
caagacatcc ctctcctcc taagcgacac ccacacgctg acccccctcc ccccatcca	120
cccacacacc agcacaccct tccgccatcc gctccccgcc acggacaccc taatccacgc	180
cggcgacac accaaaagtc ggcacaagca cgaacacccc acgacgctct cattcctaaa	240
atccgcccgg gcgccaatca aactcatcat ccacggcaac cagacatca cgctcgacga	300
accatactac aagaaaatcg gacactaccg ccacggctac cgcaccgacc atacagcgcc	360
gtcggccaca agcgggagcg ataattgtgtc cgcggggaag ggaacgcccga gaatggcggt	420
aagtgatgat gaactaaggc agatcaagga actatatacg gggaaagaag cttgggatgc	480
ggggatacgg taccttcgag gaagggacgc atgtgttcag gttacagaat ggggcccgtgc	540
tgagggtgta tgcgaagtcc gtggacgccc gagtttttgt caatgggggt ttgggggtatt	600
ccgcggcagg ttggatcggt ataattcctt	629

<210> 4054
 <211> 589
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 4054	
gaagactctc atttctacca gaacctaaac tgcgccgaca ggcattcctt accggaacta	60
agaacgcata actactgggc gcgtccgaaa gacttgcgac tgtctcctta ttaaagatgt	120
cttacaacaa acctgaccag cctcctccgt cctaccctcc tccaacccac gacgccggtc	180
cctaccacca aggcgcacgc caagactact acaaccaggg tggttaccct caacaagggt	240
acaaccaggg atatccgccc cagggctacg gtcctccgcc gcagcaagga tactatgggt	300
ctcctccgcc tcaaggccag ccgatgtact atccccgcc gcagcagcaa caaggttact	360
atgccggaca ggaccggggc ggatcctccg ggggtggat ctgcgcgggt ataattgggcc	420
gcattggcct gctgntgctg cttggatatc ctggctgtag aaacgtgctg ctttcagtga	480
ccttttgatt gcgtttggat ttgggtgctg gcgtctcttc tcgtctanaa tggatgcgat	540
tgactactac tgatactgga ttggcattct tttggttggg cccaaggat	589

<210> 4055
 <211> 566
 <212> DNA
 <213> *Aspergillus niger*

<400> 4055	
gccacactct cggcagcttt tctgtcgtgt ccgctcatcc aacacactga gccccggttc	60
gaagggtcct gcacgatctc gatggagatt ctttagcagc tgttgcgct cccattcctt	120
ctgcgtcatg tgcgtgggt tctgctccgc cttctcatcc cgaacatgaa gggctttggt	180
gtagcgggtca tctcttcggt tcaagaaccc acccttcgtg tcggtgatct tggagaagtc	240
gtattcaacg aatttggtaa agttgcgcgc cggcttgatg ccatctaggg ggcgattatc	300
tgtagaggcc gcatcgcgca gagtcgccgg aggatcggag gcagtcagtg aggagtaggt	360
tcgcttgaca cctttgggtg acgaaggatc agcattgtga gctcgagctt gttcggcttc	420
gcgttggtct cgtattgcta tggctttctg gcgattgttt tcctggattc aatatcgtgt	480
cagctccgaa ctagaggaac cgtgatcata gtatgtacta ttctccgcaa ttgctctggg	540
gttaacggat tccgcttaaa aaaaaa	566

<210> 4056
 <211> 647
 <212> DNA
 <213> *Aspergillus niger*

<400> 4056
 ctcgcagaag ttttcgaatt ctcttcgaag atgagagcca agtggagaaa gaagcgcgtc 60
 cgtcgcctca agcgcgaagag aagaaagatg agagctagat ccaaataaat tactcgccca 120
 ctccatctca gctcttcatg tgaacgctca agttgaacgc taaacatgac aattgcgacg 180
 acgtcacgat gatgattcca gttatgatcg ttacgtgggt cggtatctca atcgaggcct 240
 gtctgggtctg ccacaacatt ctcggtgcaa tcgacttcgg agcccgccgt tcagcagggt 300
 gaaaagcgat tttctccaca tccaatccct cgggctcgtt ataacgtttt cgatcttctc 360
 ttgatttcct tttgatccag acagtggggg tgcgagtgcc gcattctttt cttcggagggt 420
 acgaatgtgt ttggtggggg tgggaaggcac ggtggaagag tcaaattgggtc tttctgtatt 480
 cctgtactat cttactcttt gccattgccg atgagctttt gcgtggggac tgggtcaattt 540
 ctcggtgcct gggttctgtt ggggaaatcc gatggaattc cggggccatgg agagggtcatg 600
 agaatttatt ccaaatacca aaaagttacg acgcaaaaaa aaaaaaat 647

<210> 4057
 <211> 489
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

<400> 4057
 agtcttgaac ttgacgtcgc taatcttgtt gctgtccttg tcgacgcgga tctggagttt 60
 catgacatcg ccacaggccg gggcgccgac gagtccgcca tctcggatta ctacaccaag 120
 aaccctcgca ccgtgaagac cgatctgtcc ggcacgggtg cttctatccc ggaagtgcag 180
 gtggagggttg agaagaccag cagcgcgaact gcttaagtct tttctctagc ttttacgaac 240
 gagtgaaaaa tctgaaaaac caaaaatata cggagcaaaa atggatacgg atacggatac 300
 agataccatg attgattccc gattaagagt gctggagaga agagcaaagc agaatgatac 360
 aatggagatg agatgagttg cgatgtgaac tgtatggatt tggntatagg tgggtgtggaa 420
 tgaatggaat ggnctgggtc gaatatgtga ttcccccaaa tatctggtgc ttgcagcaaa 480
 aaaaaaaaaa 489

<210> 4058
 <211> 500
 <212> DNA
 <213> *Aspergillus niger*

<400> 4058
 cttccccctt ccgcatcggc gtctctctct tccctggctt ccaagccctc gacgtctttg 60
 gccccctcga cgttctcaac gtctctctct ggtccccaac caccactccc cccgtcaccc 120
 tctccctcct ctccaccacc ctctcccca tttcaaccct gcctcccaat ttcccgcgatg 180
 ccctatccca atccatcctg cctacagcca ctctctctc ctgccccct ctcgacgtcc 240
 tcataatccc cggggggttg ggtactcgcg ccccgctccc cgaatacaca gagtatatc 300
 ggactgtcta ccctactctt aagtacctgt tgactgtgtg cacgggtggg aagtgggtg 360
 cgagggcggg ggttctggat ggggaagagg cgactacgaa taagaatgat tgggagggcg 420
 tggtagggg tgcgcggggg gtgcaagtgg gtgaaggagg cgagggtggg tggatgatagg 480
 agtgatgttg ggggggatgg 500

<210> 4059
 <211> 240
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(240)
 <223> n = A,T,C or G

<400> 4059
 gatgctcagc tgggagtcgg gctggacaac ggcgaaacca ccagacagga agattgccaa 60
 cggaagcggc agcgagcagg atattgctga ggccaagatt gagcttgagg tgctggagag 120
 cctgcaggcc gtccctcaaat agatacctga tgtacatatc cactcgcgac ttcaactttg 180
 aacctgtaga attatagcaa ttctcatgaa acactttttt gcatgaaaaa naaaaaaaaa 240

<210> 4060
 <211> 413
 <212> DNA
 <213> *Aspergillus niger*

<400> 4060
 ccccttcaaa cgggggtttc ttcacacatc cgcaattccc accggataac acagccggcc 60
 tcgtcaccat cacaggggaa acgcgcacca cgttacgctg ggtcttcctc gacgtcacca 120
 cgcacgaggt gcgctggggg gggcgggccg agagcgaggg ccaggtgtgt gggccctttg 180
 actggacgaa ggacgaatcc cggattacgc tggaggggtg ggaggggtgg ttggcagtaa 240
 ggtttccggg agtggatgag gaggggggtt ggaggttggt gtttgatcgg gatgatgatg 300
 gggctggatt gaaggacttg ggtgagaagg gaatggaggt gcaggggttg gaggtcgtat 360
 tgaaaagggg ttcggctgaa tcttgatttt atttacttac ttaaaaaaaaa aaa 413

<210> 4061
 <211> 373
 <212> DNA
 <213> *Aspergillus niger*

<400> 4061
 gcgggcagcg gcttgattga gattcgtcgt atcgatgcca gcaaggagat cgcgacgacg 60
 cttgccaaac accccaacgt cacgtatctg cctggtaacg atggcaagga aggcggaaag 120
 agcactagcc tcttgctggg cttgagaaac tagaaggcgc tgtggcttgg tgaatggaat 180
 tacgtgtatt tcttatttct cttttctttg ttgttttctt tcaaccggat ggatctcagg 240
 cgtgcatgat ctccgtggcg aattaatgtc gtttggtctt ctttcttcat cacttctctt 300
 cttacacacc ctctcgcacg catgcactcc tacacgcatg aacctgtagc aatatcatac 360
 ccattctctt ctc 373

<210> 4062
 <211> 622
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 4062
 cccaatctcc ctcaaaacct cctcaaaatg gccaaagaaag tcaagtcgcg caccatcacc 60
 gtgcgcctca tctccatggc catgaccggc ttctatcgca cgatgatccg tccccgtacg 120
 caccgcccgc tcagcatgct caagtacgac cccgtcgtga agaagaaggc cctgttcttg 180
 gaggctacga aggggtggtcg gaataaatag atcatctgaa gttccggcac ctttgttttt 240
 actcgggtggc tcgtttcgaa tacctgcacg gcgggacggt cgatatacat acatgcatgt 300
 tgcttgggaa cgatagtcgc gctgcgcttc gcttcttttc cacggttact cgctacgaga 360
 cgactgcgac tttgcgggat gcagatacct ataccgatac tgccggcttg agcttcggaa 420
 ttagccatca ctggatcatt ttttttatcg atatgagacg atcatgtaca ttagacggtg 480
 cagtgggtgag gatggctcgtg ggagctgtgc cataacgaca ggcttctgtg gacgttcgag 540
 ctgtgtatct ttttcgggtg tatattgtgg cgtttagagc aagacatttt gggttgaatc 600

aatcttcaat tactatcaat tn

622

<210> 4063
<211> 634
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 4063
ctttgcacct gtgccgtgca cggtcgagcc attccttcat tctttgaaca tattgcctga 60
ctccgagtag tctagcatcc actccttgca agagcacttt gagagaaccg gtcttctcat 120
actcaaaagt tatacataca caacacttct ctccgaacaa aaccgaacaa aattcgaga 180
acacatacac aatgggtctcc ttcaagtctc ttctgaccgc caccaccctg gccaccgccg 240
ttctggccat ccctcatagt ggccatggcc atggcgacca caagcaccgt tccactcatg 300
tcgctccaa gcggacctct tcctccaagc gtggcgctgc ctacaactct gcttccagcg 360
ttcacacgct gacttacggc tcctccggca acggtaccgt ctctggggcc tacgactgga 420
acatgtacgc cgacggcacc ctccccagta acgtcgaaata cgtgcccata ctgtggggca 480
acaagatggt tggaggctgg ttgaccggca tcgagactgc ccttgatagc ggtagcaatt 540
acatcatggg attcaacgag cccgactcct cctcccaaag ctcgatgact gcttccgang 600
gcgccaagct cctacaagaa ttacatcact cctt 634

<210> 4064
<211> 583
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 4064
cttctactc taccttaaac tcttcactac ttcatacatc aatcatcatg gcctgggggt 60
gggaccaatc cgacgacgct caccgtcagg tgtacgagaa caagcaccgag ggtcacttgt 120
cccacgagct cattgccggt gccgcttctc tcgcgggcat gaaggcctgg gaggaccacc 180
agcgcaagca gggcaagacc gtcagccacg ctttcgcca gaggccctt gccgccgttg 240
ttggcgctga ggtcgacaag ctgcgagaga ccaagggcat ggacgaagtt gacaagatca 300
aggncgcgca gcacgccaag aagaacgctc ancacatgta cgangagcac tacgagcgcc 360
agcacgtgct cccgaattcg acccgccgc ttctctccct gaccgcttcn agggcgctng 420
gtggctggtg agaacctctt gttgtatggg aaacaactgg attggactac cgcnggggtn 480
acacgaaaat gntgtntgga atgaaacaat atgtcatggt tgaaaccgga taacggctcc 540
ccgatgatc taacnataac nagnttcaa tgantntttc caa 583

<210> 4065
<211> 466
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 4065
aatgggctcc ctaacaagaa aagaaagtgg tcccaaagg gcaaagggtc aaaggacaaa 60
ggccaacaa cgccgtccgt cctccgaaga aagcaagtcg ctgaagcgtc tcaacaagga 120

tgtccagtcc	taccgtctga	tcaactgtcgc	cactctgggt	cgaccgtctc	aagatcaacg	180
gcaagcttgg	gcccgcgaag	tgccttgctg	accttgagga	gaagggacaa	gatcaagaag	240
gttggttggtc	actccaagat	gaacgtctac	acccgcgcgc	tcaccgccga	gtaaacgtat	300
gacgctatga	atatttttcc	tcgcgcgctg	catttttctt	tgtgcaacga	tatgatatca	360
ctcgaatgaa	aattcggaaa	gtanggctgg	gcgatttgat	gggacatgtc	atgttagaat	420
atgactgact	gggaattcaa	ccaaaatctg	ttccaaaaaa	aaaaaa		466

<210> 4066

<211> 447

<212> DNA

<213> *Aspergillus niger*

<400> 4066

cctgtacatc	gctcagctgc	gccaaaacac	cgtccctaac	acgcccggat	ttcccacat	60
gcccagggt	cccttcgtgt	caacctcgat	tcctcaagac	cagtactctg	ctgctgagaa	120
cgggcagatg	tgcacaaccc	aatttgccac	tcccccgact	gattccaaaa	agcagtcggc	180
gttccagctt	caaccacccc	caattcgggt	gcagcaggca	tctccgcagc	cagagcagag	240
tgaattccca	ccaccacccc	caccagctcc	ggttccaagt	gcccctaacc	agcacatggg	300
cgcagcacc	ggcgaacgaa	cctatgaatc	tgtgccatt	cccgggtgctt	attccggccc	360
catgagtcct	agttttcccc	acggagccca	ccagtaaaaa	gccctgaccg	tcacattgct	420
ggctcgacat	gagtggataa	atcgagg				447

<210> 4067

<211> 384

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 4067

ccatccgaca	cgccgcgctt	agttgtcctg	ctgggtatga	tgttttggat	ggtgggtcga	60
gggtgcccgt	gggggttatg	gcgatgggag	agtgggggag	tgaggaggag	ttgattgcgt	120
tcgcgaggga	tggggagggt	gttttggatg	ggactgctgc	tgctgatggg	atggagcaga	180
gctcgggggt	gacggttctt	cggggggaaa	gggcggcttg	ggaggatggt	attgctaaag	240
ctggggagag	aagatgagct	cttaggtttc	gatgtagtgg	tttatttcgg	gatttgtggt	300
cactctaatt	agtcatacca	tagtgaccag	gagtttataa	ctctgacgat	tctaataata	360
ataatatgtt	cgattcnaaa	aaaa				384

<210> 4068

<211> 568

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(568)

<223> n = A,T,C or G

<400> 4068

ctgccagtag	tcatatgctt	gtctcaaaga	ttaagccatg	catgtctaag	tataagcact	60
ttatactgtg	aaactgcgaa	tggctcatta	aatcagttat	cgtttatattg	atagtacctt	120
actacatgga	tacctgtggt	aattctagag	ctaatacatg	ctgaaaacct	cgacttcgga	180
aggggtgtat	ttattagata	aaaaaccaat	gcccttcggg	gctccttggg	gaatcataat	240
aacttaacga	atcgcatggc	cttgccgcgg	cgatgggtca	ttcaaatttc	tgcttatcaa	300
ctttcgatgg	taggatagtg	gcctaccatg	gtggcaacgg	gtaacgggga	attagggttc	360
gattcccgag	agggagcctg	agaaacgggt	accacatcaa	ggaagnagca	agcgcgcaat	420
acccatccc	aacgggagggt	agtgcataat	ntgatncggg	ctntttgggtc	tcgaatggat	480

gagacaacta atccttacag gacaattgag gcaagttgtg cagcggccgt tcacatnttt 540
aagggccaat tcgcctntag gggcggtt 568

<210> 4069

<211> 643

<212> DNA

<213> *Aspergillus niger*

<400> 4069

ctctacttcc	tactctacct	taaactcttc	actacttcat	acatcaatca	tcattggcctg	60
gggctgggac	caatccgacg	acgctcaccg	tcaggtgtac	gagaacaagc	acgaggggtca	120
cttgtcccac	gagctcattg	ccggtgcccgc	ttccttcgcg	ggcatgaagg	cctgggagga	180
ccaccagcgc	aagcagggca	agaccgtcag	ccacgcttcc	gccaaaggagg	cccttgccgc	240
cgttgttggc	gctgaggtcg	acaagctcgc	cgagaccaag	ggcatggacg	aagttgacaa	300
gatcaaggcc	cgcgagcacg	ccaagaagaa	cgctcaccac	atgtacgagg	agcactacga	360
gcgccagcac	ggtgctcccgc	agttcgaccc	cgcccgcttc	cctccccctg	accgcttcga	420
ggcccgctcg	ggtggctggt	aagaagcctc	tttgtgtgtg	atgggaaacc	aactggattt	480
gggacctatc	gcggggggtt	gacacgaaga	tggatgtgtg	gaaatgaaac	gaatatgatc	540
atggattgag	agcgctgata	cacgggctct	cctgcatgca	ttcttatcta	ataaaccaag	600
atatccaaat	gaagtattta	tctcaaagca	aaaaaaaaaa	att		643

<210> 4070

<211> 630

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 4070

cacttgtggt	cccagcttaa	gcttccccctt	cccacacacc	ctcccataag	agttatcggtg	60
aaccgtcggt	ccgtttccaa	gaccgtcaac	ccacctacga	tcaggctctc	cagaaccagc	120
tcgatatcac	tgagcgcgag	tatcgctcgtc	gggtcaacaa	ccctacctac	gacgttctctg	180
cctcttcgta	cgaccgccgc	tctcaggctt	cggtagattc	cttctctggt	cctcgccagc	240
agtctaggga	cgtttcgtac	gaccgccaat	tcaagcagtc	cgagtttgac	gtctcgtacg	300
accgtgctta	ccagcctaag	cctgtcgact	cgtacccccg	cgacccttac	agccgcgcgtc	360
aacagaacgt	tgagccgggt	cccagagtctc	ccagcagctc	gaactctgta	aaagttctca	420
agaccaagac	tgctattgat	tccccctcct	ctcgcaagat	gggttactac	gacgacgacg	480
ttcgtttccg	tgaaagcgtc	cgcgaggatg	tccgtatcgt	tgaaccccg	gccgggtggga	540
agctcctcga	acgccgagac	cgtgccgatt	ccctgcaatt	catccgaatt	ggngacatcc	600
tgatcttcaa	gggcgtccct	ggcaagtggg				630

<210> 4071

<211> 546

<212> DNA

<213> *Aspergillus niger*

<400> 4071

gctgcccccg	ctgaggctgc	tgccgctgag	gagaagaagg	aagaagagaa	ggaggagtcc	60
gacgaggaca	tggtgttcgg	tcttttcgac	taagcgtctt	caaccgttcg	ggtttcctaa	120
tttttccctt	tctatctcgt	ttccttacta	cctccttttc	gccccctcgc	atttcttgta	180
cctgatacta	cgcgaccgca	cgaagaccaa	aaagggaaaa	ttaaaagaaa	gaatgaacgg	240
acaaggacat	ccggtgggac	tgggcgctct	gctcgcatga	taggctccgt	cgtgaaaaag	300
aaccagaagt	gtgtctctta	cgtagtactt	tctggggggg	gaaccgcgat	gccgttgggga	360
ttccgggttt	tccgtggggg	gcgaagagat	tcggcttcgg	ctcctcttgt	gtctctgatg	420
ttgtgtgtgc	ttgttgctac	tatgctatat	ggcgtgttct	ttcgagctta	ggtgccccag	480
ctctcatgca	atgtctgtca	tgcgaccatg	agcaaaacct	cgttcccact	gttccccaaaa	540
aaaaaa						546

<210> 4072
 <211> 833
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(833)
 <223> n = A,T,C or G

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<400> 4072
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ccaaacctaa atctaccaca ctacatacat acatacaaaa ccttccacac acacacacta      120
caatccaaca accacacaac acatactcaa aatgaaatac gctctctcta ccatcctcct      180
caccaccctc ctcgccactc cctccctctc caccgccggc cccgacgtcg tcagcgacgc      240
catcggagtc gcccaaacaa tcgtctctgg cgggtgaatcc gtggcaacca acatcgccaa      300
cgacgcgacc tccatcgctc cagacatcag aaccggcggc ggcgcagcct actcctccct      360
gacctccgac gccgggggacg tggcctcgaa cgccgaatcc tggggcacgt ccgtggcgctc      420
gaatgcgcgg tctgatgcgt cggccgcggc atcggatata agatctaagg cgtcggatgt      480
cgcctcagag attacctcga aatgggagag cgcgacgacc ttgacggggg cgaatggsca      540
gccgacgagt acggagacgg ttagtgggaa gacgacgctg actgctagca cggcgagtg      600
gacgggtacg agtgctagtg gatccagtgc tagtgcgacg agttcgacga gtgagggcg      660
gggctgtggc atggcgacgc ccggagttgg gttgggggct ggagttgcgg gtgtcgcggg      720
tgttttgggg gttatggctg ctttgtaagg ggagtgaatt ggtgatgatg gaagtggggg      780
agattgtttg atgggtaatg gatgggccat gattgatacc aatgnatatg atg          833
```

<210> 4073
 <211> 464
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

```
<400> 4073
gccacaccaa accaaatggc tcctcctcgc cctctccagc ggccgccttcg cagcccttaa      60
cggcctcttc gcaaagctaa caaccgacac tgccaccacc accttcgctg cacacctcat      120
ccacctcttc acctccgcca acaacatctc cgacgcagac cttatatcct ctcacctat      180
cctcatgctc ctaatccgcg gcctctgttt cggctcctca accttagca acatcatcat      240
gtgggcgttg ttcacgcgcg ccctgacggc ggggtcctcc accacgaagg tgtcgattac      300
caataccgcg gctaattttc tggttacggc tatgctaggc atgggggtct ttggggagag      360
ggtcggcggg tgggtgggtgg ttggggccgc gatgatggga agtaggttgt gttattgttg      420
ggaggaggga ttagttattt tctatgtgat agggangggg ttgg          464
```

<210> 4074
 <211> 214
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4074
cggcgctcag ggtttccccc gcttgatccc tccccagtcg acgctggttt tcgaggttga      60
gctgctcggc atcaactaaa ccagctatac tactatggta tagtatactg gcttagtggc      120
gggaaatatg aatgaataaa aacggcggct ctttgctgat ttgatatact aactagatca      180
atacaatcga tcagtcgaag taatcaatca gtag          214
```

<210> 4075
 <211> 607

<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

```
<400> 4075
acggaagcca ctcccaggca ctggactgct tacggaccca ttagtcgggt tggatacaga      60
ccaggaggct tggttgcggc agcatggcat cgatgcgaat cgccaagaca ttggagttat      120
cgtcatcacg caggaggatg aggagtactg ggagaacttt gtcgaggatg aagaggacga      180
ggaccggtgg gatagcgagg acgcagattc gaacgctgaa aataatcccg caaatgacta      240
tccagatgag gaattgtcgt gggacgatga agaggacgat ccaacggcta tctacaacaa      300
ataccggacc tacgctcggc ctgatgacga ggagttcgac tttgacgact cagccagtga      360
ggggcgccat cgtagtggat tcgggtttcg gtcgcacgtg gattcagacg gcgagagctg      420
gtgatcggag ggattacggg gacacacgca cacagaggga gacacgcaca agccatcaat      480
cggaagcaaa gtgagcangg aatgagggca tggctgaccg aacaatgagg cagcgagact      540
aactcgggtg gctgcgtctg cagaactcac gccttgtttg gggtgaggaa ttcctcgtat      600
gtatggg                                           607
```

<210> 4076
<211> 428
<212> DNA
<213> Aspergillus niger

```
<400> 4076
gaatccccct atctaaccct caccgtcaaa atggcattcg cttggaaagc tgctgggtctc      60
acctacaacc gctacttgac cgttgccgct cgcgcgggtc gcaggtctct caaggacggg      120
ccccgtgctg ctgctgagcg ccgcggaaac atggacttgc gtttcgcca gttgggagaac      180
ggcaagcagg gtgaagtcaa gtccctcgcc aaggccaacg atgaggctct tgctgctcag      240
gccgagtcga aataaatacc ccgtccccga agtggtgtgaa agaagtccgg aagatgtatt      300
ctggatgaag gatgtttgag gtctcgggtg gaagccatgg gcaggaatgg gatagatctc      360
tgtagcatat tggccccctt gatcaggctc aaatagaaaa gaactatttc ttcttgcaaa      420
aaaaaaaaa                                           428
```

<210> 4077
<211> 440
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```
<400> 4077
ggcgatactt gactagcgac aagcacggca tcttgtccgc caatgcatcg gctattttcgc      60
agcacgagat atatacgatt agtgagagtg gggcgggggg aggaggggtc tttgtctttg      120
ggaccgggac gggagcgtct tctgcttcgc aggggggtga tggcgtggat gataaggaga      180
agaaggaaaa gaagcagacg tatcttggtg cgcggactgt tgcgtcgaan acgactgctt      240
cggggacgaa ggttgaaatt cgtggggatg agactactct tgatgatggg gaggagggatg      300
ggggagggac gaatattcgt gtgcgcatgc aggcgcgctt caaaccgcgc atccaagcga      360
gtaaggagat caaggcgcgg gagaagatcg gnagaaagga nttgnagggt attgtgggga      420
gacngntgga tgatgatgaa                                           440
```

<210> 4078
<211> 401
<212> DNA
<213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

<400> 4078
 gctggacgtg accaactggc tcgatgagca ccctgggtgga gctaacgctc tcttcaactt 60
 catgggccgc gatgccacag aagagttcgc aatgctccac gacgacgagg tcatccccc 120
 gtacgctggc cacattgtga tcggccgtgt caagggccag acccctagcc tagagctgta 180
 aaaaccccggt gaaaatttag aatcggagac atatacgttg gagaagagaa agtaaccagg 240
 aagagatcac ataccattt tctttatcta ttacctgtt tgttttgtcg agcatgttca 300
 tgtccacgtc cttgggtgatg atgagtangc tcttttatcc ggagtcacta tgtgtctagt 360
 atgtaagata caatcctaag tcaattgttc ttaagacaaa a 401

<210> 4079
 <211> 350
 <212> DNA
 <213> *Aspergillus niger*

<400> 4079
 cctccgcgta ccgggactta tgaccgggtcg tcagcagttc cagggacgct caagtgcctt 60
 cagcgctgcg aggatcaacg cccttgcttg gcgcggcaac gggttcctcag gagaagggat 120
 cgagatgtat tcagcccacg gcgacgggac cattcgcaca tgggcctcac gggaaaccga 180
 gggtagccg gatgatgaag ccgccgaagc cgaacgagca gaccgcaagc gcaagcgca 240
 cattctcgac gaactctacc gaggttttat aggcctaagc tacgatcaag aaaatctacg 300
 aaggcaccaa atatagcaca atagtaaaaa tcgtttcatt catctataat 350

<210> 4080
 <211> 478
 <212> DNA
 <213> *Aspergillus niger*

<400> 4080
 gtcctccaca cttcactact acacttcagc aatcatgggt tggttcgaca gagacagcga 60
 cgagggtcgc gccacaagg agcttgagaa ctttgaggtc ggcaccgagg tcaccgagga 120
 gcacaaggcc aagttcagcc accaggtcat cgggtggtgcc gctgcctacg aggccatgaa 180
 ggcctacgag gagcaccagg ccaagaacgg caagcccgac aaccacgccc aggccaaagga 240
 gatcctcgcc ggtccttgctg gtgcctttat cgaccgcgag attgagtcca agggctttga 300
 cttcgtcgac cgtgagcagg ccaagtacca tgctcgcaag cagctcgagg aggcctccgc 360
 caggacttct aagcgattgg aatatgaacg aggcacacct atctgtttat gatgtacggg 420
 agtgtgtatg acatgaaata gaaatatacc acaatgaaca acacacaaaa aaaaaaaa 478

<210> 4081
 <211> 389
 <212> DNA
 <213> *Aspergillus niger*

<400> 4081
 aggggtgtcaa cgttctgcgc tattcggccc tcgttgccgg tctcgtctat ggtttctacc 60
 accagtcttc gatcaccgcc actgctaagc acgccgaggc cgaacgtgaa tatgcccgcc 120
 aggagcgccg gatcgagcag gccaaaggcag agtggaagaa gaagacggcg cccaaggaca 180
 cgcaaaacag cggagtcatt acggatcccc aggcagccg gtttgacctt gaggttttcc 240
 tgaagatgaa ggctggcgag aactagaatg gaatcgaagt atacggcacg cagatgaagt 300
 tgcagttatc tctctaagag cccgtacctc ttgaagagtc gtgtcattgc gagcgaaagg 360
 aatgattttc tttttccact aaaaaaaaaa 389

<210> 4082
 <211> 472
 <212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(472)

<223> n = A,T,C or G

<400> 4082

aagtcaaaaa	ttgggctccc	taaccaagaa	aagaagttgg	tccaaagggg	gcaaagggtc	60
aaagggacaa	agggcccaag	cacgccgtcg	tcctcgaaga	agcaggtcgc	tgagcgtctc	120
aacaaggatg	tccaagtcct	accgtctgat	cactgtcgcc	actctgggtc	gaccgtctca	180
agatcaacgg	gcagcttggc	ccgccagtgc	cttgctgacc	ttgaggagaa	gggacaagat	240
caagaagggtt	gttgggtcac	tccaagatga	acgtctacac	ccgcgccgtc	accgccgagt	300
aaacgtatga	cgctatgaat	atttttcctc	gcgcgtcgca	tttttctttg	tgcaacgata	360
tgatatcact	ccgaatgaaa	attcggaaag	tanggctggg	cgatttgatg	gacatgtcat	420
gttaagaata	tgactgactg	ggaattcaac	caaaatctgt	tccccaaaaa	aa	472

<210> 4083

<211> 593

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 4083

catccatcca	ccatgcacgc	cccctcgatt	agcgggatgc	gtaccgccat	gctgagcgga	60
cgcctcacct	ccaagacgct	gggccccttc	gcccacccca	gcagctgcac	caacccgttg	120
tatcaagcgc	tctctcagac	ccggaccgca	agcacctcct	ccatgcgagt	ccgcagcaca	180
cagaccctga	agcccaccac	agctctgcgt	ccctcgacga	cgacaacgca	gctcccagac	240
tctctgggtc	tccgcgcgcg	caactcctct	gccgccgcgc	ctgccaagag	cgaaaccgtc	300
cgtctcgact	gggactcggt	cttcaaaactc	cgcgctagcc	gccgcgggta	ctcgctcgcc	360
tcgtcgatcg	tgagctccct	gttcacacgg	tcattgggtg	gaagttctct	cgaccaagat	420
ctggagtcct	cggggcgag	tcattgggtc	tgatcggtgt	gtgtgggtat	gnaacggcgg	480
ctnctgctgg	cgggttgntg	tcgtccggtt	gtagggaatg	tgtttggggg	tggttanccg	540
ganataacct	gtgttagggg	aaaaaaagga	ttctcgnccn	attaaagtcc	gtg	593

<210> 4084

<211> 608

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 4084

ctcagtttgg	cgttcgaatc	actctcgact	gtgaggggcg	catgtacaat	ggctgaagtg	60
aaccaagaag	ttgcgccgaa	aaacgacgca	atatgcgacc	ggcagatcgc	cctagcttgt	120
gtgctgctga	ttgcgctgct	agcctggctc	accacctttt	ctatcagtgt	cctcagaactt	180
gtcgaacgag	ttgcttcatt	aagttgcagc	tctacagtat	acctatccct	cgcttcttca	240
tttctctatt	atagtccttc	tggggcattt	ttatttcccc	cctttcacca	cattaatacc	300
caagttgctt	ttccggtagt	tcttttcctt	ctnctttcct	ggctaccctt	ttcaacatct	360
tttcaatttc	ttcgcattcc	cccnggtact	tttacttggc	gctatatcct	tgcttcgtga	420
agcttgctta	attatggagt	ttggggcctt	tgnggtggtc	nggttggagt	ctnaaacatt	480
gggtcgggaa	ngggaaaatc	tgattctttt	ttttggatac	cgaccctggg	cntttccgag	540
aagaacattt	gtcctttgag	acttttggna	aanatccccg	gccgttttnt	cgttcgaaaa	600

aaaaaaaa

608

<210> 4085
<211> 255
<212> DNA
<213> *Aspergillus niger*

<400> 4085
ctccgtatcg aggaggagct cggtgacaac gccgtctacg cgggcgagaa gttccgcacc 60
gccgttaact tgtaaatagca gccatttccc gtataatgtc accagtgcaa ggccctagcg 120
gtcctcacta gcctttccga gcagctgcag aacagcatcg tttggatgaa actaggcggc 180
gaaaacatca gagatgatta agatttatga tgacgaattc aaaggccaaa taattgaatt 240
tagtggcaca taatg 255

<210> 4086
<211> 183
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 4086
caagcccgtc nnccacaaga aggccaagac accaagaaga tggtccttcg tcttgagtgc 60
aactggcctt caagaccaag aaagcaagct ttctctgana ggcgctgcaa agcacntcga 120
agcttggtgg gtgacaagga aggaccaang ggtgctggct ccttgnctt ccaanaattt 180
gcc 183

<210> 4087
<211> 358
<212> DNA
<213> *Aspergillus niger*

<400> 4087
caaggctggc cactacgaac gcaaggtgca ggctctcgaa gcgtctcgtg accagtggga 60
gagcaagtac gaggagatgg cgaagaaata cgccgagttg cagaaggatc tgcacgacct 120
cgaggtctcc atcagcaatg tttaaaaagg agatggcgcc gagggccgga agatgctgga 180
ttcagccttt tcccaaatat acttttacct tgctttcttt cctgcacatc acagtctgat 240
ctatatgtta tgtctgcagg gagacggatt ttagctgtat ctttttcgtc ttgtcatcta 300
gctggcttca tccgcatcat caaccggtct ctccgcttgt ccccgtagaa aaaaaaaaa 358

<210> 4088
<211> 585
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = A,T,C or G

<400> 4088
ggagtatcaa gcgacaagat ggcattccaag aaggacatgc ggaggttgga cctcgccatc 60
ccctacatcg accctcccaa gaacaaagat gagcccgaca tgtctagcgc catgtccagc 120
accatgccta tggctgcgat gttcaccagg aatagaatga tcggatgggt ctccttcggt 180
ttctcgcttc agtcctggct tggtagact ccagaccaga agagaacagc ttcgactccg 240
gcctacatgt ccgtcttgat gtccttgatg gctttgggtg ttacctactt ccccatcttc 300
ctgcctcccc agaatgcgcg cgctgccccg ggcgctactg catccactac tccttcccct 360

taagcgacaa	cggattctgt	gatacattgc	cgacgagttt	cgatacaata	tantaccacc	420
aagtcttcag	ttcgcataaa	aaagagatag	ggtttgaant	ggtttgacgt	ggcaaatgag	480
gagagacacg	atcagttagt	caaagccttt	ggcatcgtct	caatttttgt	caggcaaacy	540
tgagctgttg	acattatata	attgcatata	cattttacta	aaaag		585

<210> 4089

<211> 486

<212> DNA

<213> *Aspergillus niger*

<400> 4089

ctgccccgag	actgccactg	ccactgccga	cgtcaagccc	acctccgtcc	ctgtgggtcgg	60
tggcaacaag	cccaccagct	tcgtcggttg	tccctctgcc	tccggtctctg	ccagcctcat	120
ccgcagctct	gccactccct	ccggcactcc	tgetgccagc	agctcctccg	tctctcccgt	180
tttcaccggt	gctgctgacc	gcaacgccat	cagcctcggc	gccgtcgccg	tcggtgtcgc	240
tgccgtcctt	gctttctaaa	tggggcagcc	atccggcatt	cttaggaatt	tgtaaagtga	300
tggaggttg	acctagctga	gacagttgta	tgtacaagaa	cgcgcaagcg	cgagagagt	360
tggtgagatt	attcatgttt	gcagcgattc	gattcgattc	gtcgactctt	tacttatgac	420
aatatacccc	catagttaat	gagcaagggg	aataataaga	gcattgtatt	ataccaaaaa	480
aaaaaa						486

<210> 4090

<211> 620

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 4090

tcaacctcgg	gttctacaag	taccatgcaa	cacctaaaga	gtgcgactac	ggcaattatc	60
tcttctgggg	agtcctttgc	tcgagaacat	acaaccgcac	tagccttttg	tagtacggga	120
tttgccctcg	ctacggcacc	tattgctggc	cctgcaatat	taggtgctgc	cggttttggc	180
gctacagggc	ctgttgccgc	ttcatttgct	gcagtatggc	aatcttcaat	cggggcagtt	240
caagctggga	gtctgtttgc	cacattacaa	agtgtctgca	tgggaggtgc	tgctgcggga	300
gcattttacaa	cagcttcgaa	tattggtatc	gcgatgggtg	gatccgtggc	gatcggaaca	360
cagtgggaatt	attacaaggc	agttaccacg	atgggctatg	atgtcaaaaag	tactggtaaa	420
gctggatact	gtgatagcga	tcagccagat	gatggatttg	atcacagggc	aagtaaccca	480
cagtcttgtg	ataaaaattaa	ttgtttggaa	aagggaatggg	caaaaattgct	tcagatagac	540
ctatcttgat	tgaatatgcc	aaacgtcgta	caccanggtt	acttgcaaga	ngaaacccgt	600
tcaaatactt	atcatagccn					620

<210> 4091

<211> 378

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(378)

<223> n = A,T,C or G

<400> 4091

gatgccacca	ccaatctcac	cggcctggaa	aaggaaacacc	cactgtatcc	tgccgtgctg	60
gaccgggtgc	gcaaggtgca	gcaggggacg	aagtaaaggc	actgctgctg	tcgaaactg	120
tctttcttta	atgttcacga	ttacgattac	gaaaactgcg	aaagcattcc	gagtcgatca	180
cctgcatgta	caactggcca	cgccgcagga	cggtgacagg	ccatttggga	tacggcgaac	240
actggtcggc	gcggatatgg	agcatgggta	tggaaacgga	ttagcatagt	cataacatga	300

taattatgta catagttgca ggcaactagc acgaatacat gactggaaca tgaatctatt 360
ctgntcaaaa aaaaaaaaa 378

<210> 4092
<211> 612
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 4092
ctgcagggtgc tacttaatcg tcaccttgctc tgcaatcaca aagcttcatc ccgaccccat 60
ataatgccct atctgctatt ctttgcgctc cttccccgcc tcattactgc tggctcagta 120
tccaaggagc agttagaccc cgttcgctcg aatagttatc ccatcactcc agcgtggac 180
gagtcgctcc tggccatcca gatcggaggc attgtcgggtg catacgtgat cttcgttgcc 240
tacttctttc gctgcttctc ttcgtgggcc gccgtctgcg acgagctgtc ctctcctcca 300
actactccct tcacgtcgag atgatgaagc ccatgaagcc ccctcccagc atggacccca 360
gtcccgtcac cccgatctcc atcaacctgc ccagcccgcc ccctcgaagc ttcagccggt 420
cctggagcag cctcggcaag ggcctcgttc cagcctcag ggaccaccac cagcgtcgnc 480
acgatcgacg aatccgtcgt agcaactgac cggcagcgag cccaagagga tctggaaatg 540
ctttacgccg ccgtgatgga gcacgacgcc cagaaggaag ctgccgncgn agccggggtg 600
ccaacaagga ct 612

<210> 4093
<211> 439
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 4093
acgcgtcccc ccatcacggt ccgaatcatc cgcttcgctg agaacatcta cctcttccctt 60
ggactgtact ttgtcagcct attctcgctg gntccctaca ccgcggcaca gaactcccga 120
ttcaacgtta ctcggtcagg aaagaccccc gataccctgt ctcgctgggg cagtggaggc 180
ggaggtggag gcggatcatg ggggtccagga ggtgggtggtg ggccgggagg acctggtagg 240
agaatcggtc gggtagatga tatccgtggc ccggaatgta agagctgtgg ttaatgctgg 300
gaatgtgata ctgaagaggg acttggaata caatatatgg tggactgaat ggatgggagt 360
ttgatagggc gctttattga ttgtattagg gactgaacaa cggaaatggac ttgtgaatgg 420
ttttcttatg aaaaaaaaa 439

<210> 4094
<211> 191
<212> DNA
<213> *Aspergillus niger*

<400> 4094
gaagacatgg cggaacgata ggcaaagtcc acttatttgg actcgtcgaa gacgtagggtg 60
aggtggcaact ttccgcagta ctggcggtag cgcctagcaa tgcggtcgt gaatgtgtgg 120
tggatgaggt tgggacgtgt gcgctttgat cgtcccatag tgaccaagca atgagaaacg 180
aaaaaaattc g 191

<210> 4095
<211> 577
<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(577)

<223> n = A,T,C or G

<400> 4095

gatgatcagt	gcaccggtga	tggctcgggt	ggtagcagcg	gcgatggcga	tggcagtgc	60
agtggctaca	accaaggcga	tgctgggtacc	agctcatccg	gtacaaccaa	ggctagcgcc	120
gttggtatcg	gatgtgggtgc	tgtggccggt	gctgcagcat	atgggtgctgg	tatgttctgg	180
gttgcgcgtc	ggtaccggaa	gaagcgccag	ctgcaccagc	gctccccctc	gagcgtcgac	240
cagatgagcg	aaggccgcgg	ggccgggtcc	gtcctcggcg	cggttggccg	tctctctcgc	300
aacagtcaaa	acagccgggg	cactggccgc	actcagatga	tcagtgcacc	ggtgatggcc	360
gaaaattcgc	tcggtggaa	ctaagcccat	cagtatttca	cctataaaca	atggatcgtg	420
tactttgttc	aataactaga	cagggccaaa	atataagcca	gagccatgac	gcaacgctct	480
agagaagctt	gttgggggct	ttgagccctt	aatctgtgtg	gaatacatac	caaagcgttg	540
ntgatgttgn	catttggtcc	caactgtaaa	aaaaaaa			577

<210> 4096

<211> 597

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 4096

gatcgatata	gatcgccctc	catcgccctt	cgttggtagt	tgggtgtgtt	cctttcgctt	60
ggttttcatt	tcctaaggtt	gttgtcgcg	ttctctacac	ttggtcggag	cggctccatc	120
gctgatactc	caacttcgcc	tcctactacc	taccacctct	cgtccccctc	tctcattccg	180
cagccggtct	gttgcctccc	tcctcggcg	atcctaccat	tgcactgatt	cagggtattcc	240
caaaaagagg	gcattctcca	acggaactct	acacaacacc	ttgnttcgac	caagaacacc	300
ggaatagcac	ccgtgacttc	gnatttgact	gaagggagga	accaaagggg	aagaaaggaa	360
atttgcaagg	agatggcatc	cttcatacaa	ccatcaacgc	tcggaccccg	gcttccttca	420
agccngggcg	gaagccaagg	caccactagc	tataactgag	acagntcgcg	gaagcgacct	480
tgggaagtgg	aagcttacgg	aaggncgnga	agtttcanaa	ggcgaggatc	ttaatgagng	540
gcttgcaagt	aaagggggcc	gattttataa	ccagatcaac	ttgnttctat	gggcgan	597

<210> 4097

<211> 391

<212> DNA

<213> Aspergillus niger

<400> 4097

gcctcattca	aaatgtacgc	tgctaccgcc	ctccgcgcc	gaatggccac	ctccctcggt	60
gcccgtcgty	gcttttccac	caccgcgct	cagctcggt	gcccttacca	ctacgccgag	120
ggccctcgct	ccaacattcc	cttcaacccc	ctgaccaagt	acttcttctg	gagatactgg	180
gccttcattg	ttaccggttt	cggtgcccc	ttcgccattg	ctgtctggca	gacctacaag	240
accogctaaa	cgctctctcg	tgctgtatct	ccacatgcaa	tggcattgtt	gggcattggc	300
agttggtcga	aaatgtatcc	tacgttgga	gcgctcgga	attgtgtata	aagctagaga	360
attaattatg	ctctgattca	aaaaaaaaa	a			391

<210> 4098

<211> 432

<212> DNA

<213> Aspergillus niger

<400> 4098
tataaggactc tcaacttcat cactactatt acagacgcag tagttctata tcgtttggct 60
ttgcgcacac aaggcagaca gtcattggctc aaacacctca gcaaaggaag gccaacgaaa 120
ggttttgcgaa gcaggaatct gcaaagcggtg gtaaaggcaa gacagttgcc aagtcaaagc 180
agactccaag gtcgccagtg tccactgtgt ggggtggctat tctcgcgttc gttgtctgtg 240
gaggaatctt ccttgagatt ctggggatca taccgaagct ttgggtcaacg atggtcgcaa 300
gcataaccg ctaatgctct gaggtatgg agacttgtaa gactgttttc agttgctttc 360
aaaacagcgg cgggtgatacc attgatgtac ccaactgata tccaagtctc ttgtttgggt 420
ccgaaaaaaaa aa 432

<210> 4099
<211> 486
<212> DNA
<213> *Aspergillus niger*

<400> 4099
caagtttcta agcgaaagca aaaccaatct caaactacat tagtacatct ttcaccgggt 60
ccataccaac ttttgccaaa atgtctccct gctcctgcaa ctgctgctct ggcaactgct 120
ccagctgctc ctgctcctct tgcagccatt aaatgctgtc gatgctcact tcccggccat 180
gaccttaciaa ccgcccctca gccatctctg ccgataccac caatttcagg ctgctgctct 240
ggcttgaagg caacattcta aggatattgg gatggtgaat ttggaaattt ggggtgcgcaa 300
gtgggagtg tttggatgcc ttgatgatat ggattcatga ttttagttgt cttttctatc 360
atgtcaccta cacttaagcc tcagggtgtac caaatctaata ggaaaagact taattggagg 420
awamaattga tccgcagtaa atagggttaa catatataga gttattataa ccgcaaaaaa 480
aaaaaa 486

<210> 4100
<211> 610
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 4100
agaaagagac gctacggcct gcagctcagt ctctgaaccg gtccatgtcg gagcaaccac 60
cgactttggc taaagcagag gacgatgcag aagatgttta cgacgcagtg ggtgcaatgg 120
acgatgatga agacgagcag caagcggacg aggatccatt cagtgcgaca gcaactagca 180
gtccgaccgt ttctgtcctt gctcctgctc ctgctcctaa aacagccccg gtcccgtaag 240
atgatggcgg cgagccagac ttgctgggtt ggctggccgc ccagtgccaag acaaagaagc 300
cattgcaaaa ggggttgaat aaatccagtc ccacctctgt atctcgggcca tcgagccgca 360
gtagcacggt taagcccagg accgttgtcg caccagcgaa gaagatcgat acaacacct 420
aggacactga ggaggacgac gggtgggggtg atgcttgagg ttagcagtat aaattcttaa 480
taccgattc tttatgttca tcagggtaca tattcccttg cgctatattg tgattatatc 540
tctcatcttg cgacatatnc aaggcatgaa ggcaggggaa ttttggggcg catgcagtat 600
atagtctggt 610

<210> 4101
<211> 1157
<212> DNA
<213> *Aspergillus niger*

<400> 4101
gacgaaccag tctgtcagtg gaactgagct tctctttgcg cgtcgcccaa taaactacta 60
gctgccttac tatctcactt tcttcccatc tctatacact ttcagtcag tcaatcgcag 120
ccatgtttct cagtactgtg gcccgctccac tacagctggt cactcgggtc atgcagtggt 180
ccagtgcagt catcgtgatg ggtatcacct cctacttcat ccacaaggga cctcgcggcc 240
aacacaccat ctactgggaa gtcatttcga ccatgtctgt tgtcttcttc ctgcccgcct 300

ttatctcgcc	gttcatgccc	aatgccctga	gcaagtttgt	cttgatcatc	gatgtcatct	360
tctcgtaacct	ctggctcacg	gcttttcatct	ttgccgcgca	agattacaac	tggcacaact	420
gcggcgccaa	ctctccccc	ggcctatcct	gctccaagaa	gaaggcaatg	aagccttcat	480
cttcttgacc	ttcatcttca	ycttcttcgc	atcttctctg	aagtcggtgc	tctctgggcc	540
tacgtcgcgga	gagcaaccca	agtcggggag	aaagaacamc	ggtggcgccc	acggcggtcc	600
tgctgacgcg	cctgtggcca	cagcctagac	ttgaaactcg	actgccagat	aatccgtctc	660
gactaatggc	ggcgacgcac	gccaacgcac	tctcttggtc	gttcatgtac	cggctctgcat	720
gtacatcacg	cacaagcgat	agctgtcgtc	cgtctccagc	gagatgatga	ttcgataccc	780
ttttccgtct	ctctctacga	ccacgatacc	acagttgact	tggctttgat	tgaacatcta	840
ctaatactga	tgatgttaat	acgtttgata	tccctacata	ctaattgtcca	ttcggttaatg	900
tccgtacgac	ttgaacacgc	ttgaacgacc	tgaagaagga	gaagaggaat	aggtgggtggg	960
tgtgcataga	tggatcgggg	tggtagccgg	gatcggttgc	gttactaata	ccatctttac	1020
taattaccac	tataatcttg	tcttgtcatt	ctttacacaa	ctgatttgat	tctgttctat	1080
tggatctacc	ccgtgctgtg	ctgcgtctgg	gttatccaat	gtgtaataat	agtacaataa	1140
taatatatgg	tctgtct					1157

<210> 4102

<211> 363

<212> DNA

<213> *Aspergillus niger*

<400> 4102

tattcttcca	attactggat	tcagtcccgg	acgtggcaca	tatggcaata	tgggatctaa	60
gccaatcact	gacccttccg	cacgcctcag	gcactctggca	cagggatcgt	ggagagcttt	120
cgacgtgaaa	gttgagtatg	gcaaatcttg	ccggactctc	ctgggaatgt	gtcgcgattg	180
gtcaaaagtg	cctactgttg	ttgttcaatg	atttggagtg	tctttttgaa	atTTTTTTTc	240
accatcactt	ctcgttgaca	cattcatggc	gttcttgggg	ttggggggat	caggataact	300
agcgagtata	gtatcataaa	cggcatataa	gatacccaat	cagacattca	ccccaaaaaa	360
aaa						363

<210> 4103

<211> 529

<212> DNA

<213> *Aspergillus niger*

<400> 4103

cagacttcaa	gtgcagctgc	cgtcatectt	tgctggagca	attgtcgttg	ccggacgtgc	60
ttcttttagac	ccagtcaata	tggttttctc	tcagactctc	cgccgcgcgc	ccgcccagag	120
cgccggtgct	taccgctccc	ctttcgctcc	caagtaccac	accccccttc	acttccacgg	180
setcaccacc	ggcctggcta	ctaagtacgc	taccattgct	ggcaccttcg	gtgttgccgc	240
cggtagcttc	gcccctcttc	tcttcggcga	gatccccgt	gtccgcgcgc	acatcctcca	300
gaaggttcct	ttcctcgatg	agtacttcga	ccgcacgatc	gctcccgagg	acaacccctt	360
ctaaatctgt	gccgtatggg	atatgctttt	ccgacctct	ataagaaccc	acccagcatg	420
gatatgctac	ctagcggatg	gatggtgaag	aaaagagggt	gctgtacgtg	tagaatagcg	480
atgagtttct	gatagcacat	agacactggc	tgcttcattt	caaaaaaaa		529

<210> 4104

<211> 381

<212> DNA

<213> *Aspergillus niger*

<400> 4104

ccggaaatac	tctcatccac	caccatgtcg	gggtttcatc	cacaaggccg	aagatgctct	60
acatcttcac	cacaaggaca	agggcgagca	caagcacgac	gatagacatg	agcatcccc	120
tactatcggt	catgatggcc	acgagcacac	ccaccgctcc	cacccccctc	agaacaagca	180
tacgcaccac	cacccaacg	aggaccagat	cgctcgagac	gatttcaatg	ctgacagggg	240
atacgaccgt	gcgttgaaat	ctccgcacca	tggccctgga	cttggctttg	aggcgtagga	300
ggtgggatca	tcagtattgt	gatgtttagt	tttgatgttc	taatgatcat	aatgccatct	360
tattgagtct	taaaaaaaaa	a				381

<210> 4105
 <211> 611
 <212> DNA
 <213> *Aspergillus niger*

<400> 4105
 ctccctccaac gttaaggaac tattcacagc aatcgcggaag aaactccctc ttgatcaggc 60
 gggctcctcga aacctgcgca caactccccg tcctgggtgtt gacctgcggc cagaagcacc 120
 cggtagcccaa ggtgcgggtt cctgcaactg ctaggctttc caagtggcgt gtactaactg 180
 ttgtgtgtcg attcttcgat ctaatcccc tttcttcctt tctcctttc gcatgggtctg 240
 ttgttagatg caggagacgt gtgtcttcta gcttgaatgt gaaccggcac gctgggcaaa 300
 cagtgtgcaa cccgtcagcg acttogaaca agactgtttt atggctttct aatgggtgccg 360
 tgattactgc aactttggcc gatcggcgct gtatagggtgt ctcttgcttc ccaggggatt 420
 cggttatccc tacggatttg aacttgatga tcccgttcaa tcttaataca gtctttctca 480
 ctggacttga tctgacaaga cgaaactttt caaataccgt cattggatgt ggggagagag 540
 ctttatactg tactggcagc gttggatttg actgtctaga cattatgcga cagggatgaa 600
 cctatgattt c 611

<210> 4106
 <211> 614
 <212> DNA
 <213> *Aspergillus niger*

<400> 4106
 gcacatcaac acaacacaac cttatcacct acttacacct accatctaac ctccatcccc 60
 ctcaactcaa cccaaccaac atccaaaatg gtcttccgct tcgccaaaac cctcgaccgc 120
 ataaccctct tccactcccc gcagctagca tctagcaaat ccgccctcag catcctgcaa 180
 cgcgcatcca caacggcagc cagcacgaca tctactccgc gaggcgaatt ccaactcgaa 240
 gtgagcacgg ccccgccgac gagcgaccag ttgcggaata tacttgatta tgtgtcgggt 300
 agtgggtcgg gaggtgggtc gggggtcggg aagggtgtata aggttgaaga ggtgggtgagg 360
 ggggcgaggg atgcggagga tgcgattaaa cggttcaaag cggatccgga gggatctttt 420
 gtgaaggccg attacggycg attggacgaa aggacargct gttgttgggg ataatgagtc 480
 ggagattttg aasatkgtgc aggagtgtgaa ctgagcaatt tactawtctg ttcaartgta 540
 tactgcaaat tgatgtatgc agggatgttt ctacgatagc tgtatcatac acaactcctt 600
 ttcataaaaa aaaa 614

<210> 4107
 <211> 575
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1) ... (575)
 <223> n = A,T,C or G

<400> 4107
 gattatcacc cggacggacc ctctctctct ccaactcttc cttcttcctt ccacctctta 60
 cttgtccccc ctacgcctt cgagactcct ctccctcgt ctccctcaaac tcctccctct 120
 ttttcaagga tttctctaca ctcttgggt tcgagccctc ttgttttcgc ctgttccata 180
 ccccggtgta aggttttcta ggatcggatt gcccgctctc gtccctccga aaagtctctg 240
 tttcttctat attttccctc ggcttctccc cgtcgcccaa ctttcgcctt tcgatttttt 300
 tctctcttct agacacagat cacaatggtc aaggaaacta agttctacga catcctgggg 360
 gttccccgac ggctcttgag gccaaactcaa gactgcctac aagaaggggc cctgaatacc 420
 accctgacaa gacacaacac cccgaagccg tgagaagtn anggaatgnc tgccgttacn 480
 aaacctttcg atccanaag cgtaacctta cgacaagttc gtgaggaggt cttgacatgg 540
 cgnncttgcg gtngattggc cccaggacc ttttg 575

<210> 4108
 <211> 387

<212> DNA
 <213> *Aspergillus niger*

<400> 4108
 cacaacaacc acaaccacaa tgtccacaac caccaaaaca gccctcctcc tcaccctcct 60
 cacctccatc ggcggcataa ccgggtacct gcgcgcgcgc tccctcccct ccctgatcgc 120
 cggcctctcc gtctccttcc tctacctcct ctcgtagctc cgtctgcgcg cgaaccagcc 180
 ctacgggtgca gagatcggtc tcttggtctc ccttgctcctg ggcggtgcgt cgatccccag 240
 agccattaag acggggaagg gcgtgcccac ggggtctgggg gttttggcgg ttgtcggggc 300
 ggtggttttt gggaatgcgg ttgttaatca ttagatgata tatatggatg gtggtgatga 360
 tatatggagg aggttggggg aggtgga 387

<210> 4109
 <211> 859
 <212> DNA
 <213> *Aspergillus niger*

<400> 4109
 atcagccaca atagtgggaa ttcaggcgcc tgtctggggc tagaaacggt gaaccgtcaa 60
 atcacggttc atggtgcttc actccatacc ggggttggtt cattgcattc ccctatccca 120
 agaagcccc acgaaaatag cctacctact cttaccaggt tgtagacaat caatcaatga 180
 atgctcaagc cactggcaaa tgacctgagg ccaagtgtat gatattccatg ctcaggatct 240
 cttggtgact gcgaagagcc gactccactg aggcataacg aggtatataa accccccctt 300
 catccccctc tgccctccat caacaaaccc aaccacaacc acaaagcaat caatctcatt 360
 atacaaccac ttttctcca ttccctcata acctcttcca caactccatc acaatgagct 420
 tcttcggtac cgcctcagac atccgcgttg acgacggcca catcctgggtc gccaacgtcg 480
 ccaacgagga gggagagatg gtcgaatcta cctcgtatc taactcgtgc atcggaacg 540
 aagagggtcg cttcctgtgg ggcggcaacg acttcgccgg cagcgccgag gacatcagct 600
 tcgccattga gggagaggac aacgtccccg ttcttagagc cagactccaa aactccgagg 660
 gcgaactctt tgatgctgat gttaacctgg gcgagcacgt caccaacaac aatggtaccc 720
 tggagtacca ggaggagtcg ctgttgtaag ggcgggggtg attatcgagt gtatcatgac 780
 agacaagtaa ccatgtcttg ataagtttat gtggaactat atgaaatacc atttcgtttg 840
 aacaagtaaa aaaaaaaaa 859

<210> 4110
 <211> 558
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 4110
 atagatacac acataccctt tctactcacc ttctgccctg cttcatttaa gatgcctgca 60
 gccggcccca tggacgacca atgggtctct ttccacatcc gggaccacct ggagaagggc 120
 gagatcaccg tccgacacac cgtcatcgaa ggtggtgaat tccacgacct caacaaccgc 180
 agacagtccc tcaccgaaga cgagatcgat gaaatcacca tcccctcgta cggcatcggt 240
 gagatctgtg ctcggtggtc cgcgggcagc gagggccggc tggacctctt cacgacgagg 300
 aaaagatctg cgaattgcac tgggataatc gccagggcaa tncttgtaaa cattcgtcga 360
 gatgcttgac aagtatagca agtntcgtgt cgaacatggg ggatggagcc caaagggttg 420
 acctttgggc cactgntaca tcgacatttt ggagcagcag aagaagaaga atacaaataa 480
 cggcgttggg attttaaagg agttgtccgg cnagttccgg atgcancatt gttcaggaaa 540
 ggcgtagcat atttggaac 558

<210> 4111
 <211> 628
 <212> DNA
 <213> *Aspergillus niger*

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<400> 4111
cggctcttga ccctaccgcc attggactct actgtcctcc acctgcgact tttcagagtc      60
attcttttct ttttagcggtt tatctcctcc agtgggtcttc aagatgcccg ccacggcgctc      120
ccgtgccgtg cttcggcaat cgcagttcct gaccgcagg tctgcggtca ggtacgcttc      180
ttcgacctcc gaagccgctt ccaaggctgg tgagactgct tcctctgctg cctcgaaggc      240
atctgagggt ctttctcgcg tctcttcgac ggctgggtccc gccatcgcca acgccgcccc      300
gggtctcggt agcgccctca ggaaggctcg tgggaaggacc ggaaaagtca tcgcttttgt      360
cgattccatg atacccccta cgtctacta ctcgaagggtt ggaatcgagc ttgctaagct      420
ggctctccgt ggccagaaca tgactcctcc caacatggcc accttcaggc ttacttcagc      480
ctctgaccaa cgccttcogt aaccctgccg ccttcaagaa ctccagcttc gctccctcga      540
acatcatcgc ccgcgttcgt accggcaaca agaaggagat cgctcttgct ggtgtcaccg      600
ctgcggagat cgttgggttc ttcaccgc

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<210> 4112
<211> 482
<212> DNA
<213> Aspergillus niger

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<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

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<400> 4112
ccccaatgaa cgggtcaaac aaactcccca aaaacccttg actotccaca ttgctgcgct      60
tcgcccagcc cgactcgaca ttatagtctt tagtgtcttg aagcccagcg aaaaggccgc      120
gtcctgccgt gggatgatgc ttaggcggat tcttcacca cagatcggct ccaaagtcac      180
tctagagacc atgggtcttt ttgctggcac ggtgccatct ttgacgaagg acctggataa      240
gataggcact cgggtgggaa tggcacttgc catgatcagc ttcgggccct tgacgggacc      300
ttcgggtggc ggcgctttga ttgcgcagtc tgagcatgat agttatttac ccgcccact      360
ctgggtgga gctgctttga tgggtggggc gttggcttta gtgggggctc gaattgttat      420
cactggtccg catcttctaa ttaaggttta aattgctgtg atggaatcca aaanaaaaaa      480
aa

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<210> 4113
<211> 580
<212> DNA
<213> Aspergillus niger

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<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

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<400> 4113
ggagaggccg aggagtatgg tgggtgatgc catatgggag atgccgatcg gatcgtgcgc      60
gaacgaagct tgagcaatga ctcacatcgg ggcggaagc acgttggtgt cggggctggc      120
gagctgaacg gcgaaaccga gtctggtgga gatacgttga tgacggcggg cgaagccgag      180
gaaaagcatc gccagttcga gcagcatcgg aagaagcact atgagatgcg gaacatcaag      240
gatctccttg cccacctga ggatctcgag gacgaaatgg acgaagacga agatgagggg      300
gacagctcaa gtgcgcgggt gccgccccg atgcctaaga tcccggagcg atttctaaat      360
ggaggaaaagt gagggagcga aaggaatgga cggacgggac taagtattca ctctactcga      420
gaaggattag gacgagaaga ngtgatagga aaatangatg gagggangga ctagttgatt      480
cctgctgcat aaacggactc tgtatatcc ccaacgttgt ttagtcatga tgggacngac      540
ttgtatgaat cnatgggaaa ntactttgca aaaaaaaaaa      580

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<210> 4114
<211> 583
<212> DNA

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<213> Aspergillus niger

<400> 4114
ggagaacggt gttaagcctg gaaagcttgt cgtcccggag aacttcactc aaacggcgcc 60
cgtctacgat ccgcgcgtac ctctgacgac tgaagagatg ccaatggagt acaccaatcc 120
tcagaccacc gaattttgcg aattgattgg tattgaaaat aaattcgaca tgagtgcgc 180
cgagcgccag gctagaatgg ctcgggggcc cgtcctaata agcaacagag gcggcatgaa 240
ccgtcctcct cgtcgtggcg gctttggacg gggtcgcgga cgcggtggtc gtggacgcgg 300
caaccgttac tgattttacg tctcttcaca ttgcacgttg cttatcaaag gtaccgcgga 360
tgaggaagtg ctgggcactt gcctctagtc atctttcttt tatcaagtcg gccatgctac 420
gttgctatct atcgaatttg tcatcatttc atttctcgct gccagttacg cccttaatct 480
cttccatctg acatcctaata ggaaatggag tccagctcta cccatctcat taatgtctct 540
cacaaagaaa tggcaccatg gaaagtcggc ctctagtttt gtc 583

<210> 4115

<211> 484

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(484)

<223> n = A,T,C or G

<400> 4115
attcgttttc tcatcctcat cttcatcctc ttctcactc ctctcctacc tccaagggac 60
aagacaaaacc acaagaggtc aaacctacat accaacctcc ttcaattcca accaccgaaa 120
acacaatggc cgactcttcc tccccaggca accccacact cggcaaccgc cgcaacaacc 180
gcgcgcgaaga agaagccgcc agtgctgccg ctgctgtcct ccccaacgaa ggcatgaagg 240
cccccggcgt gacggccaac caggatgaga aatccaacct caagatcagc atccatttga 300
acttgcgctg caaggtgaag ttggatttgg atgcgagctt gtatgggtgat atcgttattg 360
ggttgtttgta accttattac ttgacgtgt atgttggtat gaggggtggg atgtatgtat 420
ggtacttgat ggcattgcat aagaattgat gaatggaatg aaatggatat atgaanaaaa 480
aaaa 484

<210> 4116

<211> 628

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 4116
ctaacttact gtctaccata tactaccata cgccccctca tcaccccaaca aggcagacag 60
aggcaacctt gggccttacg acttacctac ctctctaatt tcctctaggg gctttaaaac 120
cacacagcac actggctggt aatcctacct atctacatac gcactctcct ctctctcct 180
cttttagttc ctgcccattc tcccacgcaa gagagcacc aagcaggcaa ataaaccttc 240
actctcgttc caccggttct ttctccatcc cgcccatcca agccagccgg aaatcacaaa 300
aggtaaatca cccaaccccg ttacttggtt tgattttgca cttgccagat attccttctc 360
cgataaatggg acgtggctcc ttaccttcc aaagagacat aaggagaaca cggaaaccag 420
ccttatctga ctgggtgaga cgggctacta agctgactgg attggttggg tggggagtga 480
gatgaggcgc gccgcttgat ggttgatgct cggttgcctt ggagggttta tcggcggaga 540
aaaatgagac gcctgagata tatatatggn attaatatct atatgtggag taaggcgggt 600
atgggttggg tgggtganaa atgattan 628

<210> 4117

<211> 373

<212> DNA
<213> *Aspergillus niger*

<400> 4117
 tgcggatgcg cgggagaagt cgggcacggg caagttcccc gtgtttgtgg gcgaatgggc 60
 aatccaggcg acgtataata atacgttggc gttgaggaag aggaatgtgt tggcggggtt 120
 gaagacttgg agcagttttt cgcaggggag ttcgtattgg acggcgaagt ttacggggaa 180
 tacgagtgtc gctggacagg gggagcagaa ggattattgg tgttatgaga cgtttattga 240
 cgaggggtat ttcaattgag caactgcaac tctgcggttc agtttagttg cttgttttgt 300
 gtaggatttg cgatgtgtgt atatatgatg gatggaatga actcatgggt actattgatg 360
 actttttaaa aca 373

<210> 4118
 <211> 490
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(490)
 <223> n = A,T,C or G

<400> 4118
 ggataactcc tccttatcta cccgtctgac tccggcttaa gtcagctctt cccatcttcc 60
 aatcctccca ttgtccgaaa gagcacggaa aaaacaaaaca aacaaccccc aacaacaatc 120
 accgccaata tgttcgactg gttcaagtct tccaacaagg agtctgctac ccagcagccc 180
 acctggaatc ccaacacccat gaccatgcag cagccttccg ccccggaagc tcccgtcacc 240
 gagcaggctc tcaccggcca acccggccag caagagacga tgcagatgaa cctgcgtggg 300
 ggtggtgagg gtgaggatgt ttgctgtggc gtttgtgccc gtcttggtcg cttcgagtgc 360
 tgcaaatgct tgtgctagat ggaatcatca cccgatagac attttatntt tccacgaacc 420
 ntgacgtcat gtcnggtaat ataattngga tatctatcca agttttaagc cttggnatta 480
 accnttgaag 490

<210> 4119
 <211> 651
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(651)
 <223> n = A,T,C or G

<400> 4119
 agcaaagcaa agcaagctag cttctctctt cttctctcta catcatcgca ttccaaaacc 60
 tccacacaac tctcaagtct atatcccacg acttccctct tacaaccaat tacaacccaa 120
 taatccacat tcctcaaaac caccttcaaa atgactatcc cttatccctt gatcggccct 180
 gagtcctacg gccttggctc caagcaggcg cgccgcaacc gcagcacttg cagcaccctt 240
 cgcagcgttg acagcatcgt cgtcgtatgc gctttcgcca aggaaatcca gtccaccaac 300
 gcctcccagg agcatttggg ttcttgtgct agcagcaaca agtctgagaa gaagtggag 360
 gctcgattct cgaggaagtt cttccacttc ccttgagaaa ttaccacacc acacactaca 420
 ctacactaca ctacgaacaa aaacgacaaa cataatcgac aataataatg atcgctggac 480
 ggaatatagc aaagcaaagc aaagcaaagc aaagcaaagc atgggtgtta gatggattgc 540
 atagtcggga gcattggatt ttttttgcac catgtcatga ttgktatgga taatttagat 600
 aatacttaat taatacccg cgggatatgca cgcttctaaa aaaaaaaaaa n 651

<210> 4120
 <211> 599
 <212> DNA
 <213> *Aspergillus niger*

<400> 4120
aggagcgctg gtcgctgggg gagccggagc agctgctaca gcagctactt ctttcccggc 60
agtgccacgg gagcgctggg ctcttccgct accactgccg gctccaacga cgccagcacc 120
acgaagagtg gaagctcctc ttcgctcgacc ggctccaact ctaactccaa gtctggctcc 180
tccggaacta gcaccgcaac tggcgctcat gccagcagca ccgagaacgc cgctgctgtt 240
gcgcagctca agctgggctg ttcsgctgct ggtgtacttg gattcgtcct ggctgcttgg 300
gctctgtaaa tgagctaaat aataagcctt gatcgatgac tacagtacga atggagggaag 360
gggagaaaag tacctgtcta ctgcacactt aatccagcgc ttgtgttaat atgattgatt 420
gattgattga ttacgggaat ttagctaata tgggaacttg tcacaactac tattacctgt 480
ttatcttata ttactcatgg ggttaataac taacttgatt gctactattt gcatggcttt 540
cacttgatac tctggagatt agtataccga ccaactaaat tctattgatt gatcattcg 599

<210> 4121

<211> 575

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(575)

<223> n = A,T,C or G

<400> 4121
cttatcaagc caaatcaact aaactgaacc tcaaatcatc gctacaacat taccaaccat 60
gaatatctcg gcttctccct ctggctcaca gcccttcac aagagacctg ctctaagtcc 120
cgcgttcaag aagcctagta gatggtatct cccgctcatg ggcgtcatag ctctcggtt 180
cggagtcgcc aaccacctcg aaaaccaagc tcgccagccc cagttcgacc gcgaagaaga 240
ggagcgcctc cgaaagaacc gagccctgat ggacgcctac ggcgacaaag aaacagtcca 300
agatattgaa cgggcgctgg tcgtctatga ccttcagtga acatccttga tgggaagggga 360
ccattattgc agcacactta gcgtgggata tgattacggc tttcatgaat aatggtgcat 420
aaggagtttg ggattcattt taactctccg gaagagatga ggaatggttt cgggattatg 480
gaattaactg gggattttgc tggtttaggt ttcacggaat agcatcttga attgagaagc 540
aatctgggnt attgcactta tgctactaaa aaaaa 575

<210> 4122

<211> 636

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 4122
agcaaagcaa agcaagctag cttctctctt cttctctcta catcatcgca ttccaaaacc 60
tccacacaac tctcaagtct atatccacg acttccctct tacaaccaat tacaacccaa 120
taatccacat tctcaaaaac caccttcaaa atgactatcc cttatccctt gatcggccct 180
gagtcctacg gccttggctc caagcaggcg cgccgcaacc gcagcacttg cagcaccctt 240
cgcagcggtg acagcatcgt cgtcgatgcc gctttcgcca aggaaatcca gtccaccaac 300
gcctcccagg agcatttgga ttcttgtgct agcagcaaca agtctgagaa gaagtgggaag 360
gctcgattct cgaggaagtt cttccacttc ccttgagaaa ttaccacacc acacactaca 420
ctacactaca ctacgaacaa aaacgacaaa cataatcgac aataataatg atcgctggga 480
cggaatatag caaagcaaag caaagcaaag caaagcaaaa gcatgggggtg ttaagatggg 540
attgcatagt ccgggaagca ttggattttt tttgcatcat gtcattgatt ttatggntaa 600
atttagataa tacttaanta ataccgcng ggatag 636

<210> 4123

<211> 557

<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 4123
ccccaaactcc cacctcactt acttaccccc ttctcttttct ctctctccaac cttcataaga 60
gaaaattaag ttactacca aatgtccttc cacaacagct gccaaaacat ccacctcatt 120
cacgagcccc ggtgctacttt cctgcacgcc gaagtgcgtc gcgcgaatgg agagtacgtg 180
gctcgcaaga tccgtcttga tagacatata gggaaacacgg atggctggtt catctggggc 240
ggctccaact tcaccgaaac cgccaaggac attcagctcg agaacaccgg ccgcggtccc 300
aagttgacgg cgtacttgag gaagcgggat ggcgataca gagaattgca gggcctgtat 360
ctggcggata agattgctaa tgagaatgga gatttggtgt ttaagggacc ttagatatat 420
tcaacctagt tatctatcgg gtcgattgga gaagtactag aagagatacc taataggaaa 480
ggatggatgg atgggggtgn ttgkatgatt ggagatattg catagcgaat gataatcatt 540
ttttattaaa aaaaaaa 557

<210> 4124
<211> 472
<212> DNA
<213> *Aspergillus niger*

<400> 4124
ttgacgcct gtaacccccag gaggcgcgga tgcggacttg cttgtgctgg atgatgaaga 60
ggacccttc tcgggccccca ccttgactgt gagacaagtc tggaagcgcg gagtcaagat 120
ctacgatacc gacaaataag atgcggcggc tttttggcct gctcacgcac gctgtctgga 180
caagtcatgc gctgcagaaa ctgtctgggt ttcaatcatt catgcgttac gctcgaaatt 240
tctttctctc tctctctctc tctctatagc aggcttggga gttttggtt ggtttctgct 300
ttctgtttct tcttggctcg cgtcgggtta gagacttgaa tgggggtggg ctctcttggg 360
ttctgttctg tacctctttc tgtatttggg tcatttaaac caccgggata aagtagacct 420
cccacgtgaa tagtaaataag aaagtcaatg atagatacac gtcaaaaaaa aa 472

<210> 4125
<211> 422
<212> DNA
<213> *Aspergillus niger*

<400> 4125
ctaataatcct tataggaagt aacctgctat acatgccgct tcacgcagga tctacgcgac 60
cgtcctgata tcacaccaga tacaagacc cctccagggtg ttgtaccggg tcaactaccg 120
caagcgtact atggcggcgg tgcgcctttc tatccccgc agcaggcatc gggcccgct 180
ccacaggcgt ccgggggtgt ggtagcgcgg cagcagcagg cagagcagca gaacctatgtg 240
tataagtgat gtatcatttc gatgctttt cgctgatgat gtattatgat gggttgatgg 300
tctgtctctg tatttatcga atacctttg cttgtttgct gttcttgacg tctgggtggt 360
agcttactcg ctatcgtgca tgtattgtat cgaatcggag ttaattgctc taaaaaaaaa 420
aa 422

<210> 4126
<211> 499
<212> DNA
<213> *Aspergillus niger*

<400> 4126
tcttagactc agaaggcccc gggtaggaag aggatgatga gaccattgcg cgctttgggg 60
ttcgttctct ctggcgagcc cggaagggat ggggcttggg tggccattca ctggccgaca 120
ggctttgaac tttgaagtca tgctttggat ctctcgtcgc cctctttgtc cctgttggcc 180
ttttggtggc ctcgttcgat gccgccagtg gtctcggctc ggtctcttac gtcctccgat 240

tgctcgcgggg	cttcctttca	tatcttgatg	atttcgattt	ttgcctattg	tcgcaatttc	300
ccccaaagaa	tacctttccc	ttgtcatcca	cccgcacttc	caccctagtc	agtcaagtcc	360
caccaggacg	ttgactcttg	cttcccgaac	tctcttggtt	ttaccacact	tgtgccacgt	420
acggcgtttg	tttgtcgctt	tagctgagtt	tagatctaaa	gccccgcaat	ggctaaagaa	480
atttgaaatt	tatgaacaa					499

<210> 4127

<211> 1030

<212> DNA

<213> *Aspergillus niger*

<400> 4127

gggctttgct	gggtttttgt	tttcgttcta	ttttcatcct	tgagtagttc	gtttggtctg	60
tccaggcgac	tatctgtttt	caacttcttg	tttggcacgt	catcgagtaa	taatagtatc	120
atttacacgc	ctgccttctc	ggaaacactc	tggtgatcaa	agtgttcttc	cttgataatc	180
ttgtgctgct	gctccctgcg	cctgttctct	acttatttct	tccacccaaa	gaacaagaca	240
tctttttgca	ttcaatcatc	tttccaacct	atcagtgatc	gtcaatatga	tcgctcgcaa	300
cgcaaggccg	aagctttcac	tgtgcacatc	tgctgcgcaa	agtacttctc	gtcagccgtt	360
gtctctcaag	tctcctagcg	cgatcccgcg	cactccgatt	ttccctgcc	gcccagatgc	420
aaagcggttc	tcgtcttttc	aagtcccaag	ctatgcctac	agcaactcgt	gctcgtccaa	480
gagtattctc	aagaaacatt	cgggcgcttc	gagccatgca	gaaaagcgga	ttaagttcaa	540
aggcactccc	actgtccact	gtgtcacgcc	catcgagaat	cccaggaggt	actatggcac	600
ttacaccaag	ttgtcgcgcg	aggagcgacg	ttggatgggt	cgtgaatgaa	gacgaggctg	660
atgtcgctat	aaccaacact	acggcgaaag	gcagatcagt	ggggatgctg	ggccaraaat	720
ccgaagagcc	ttctgacgcg	ccacggtttc	tgccgcttcc	ccgttccgac	tcggttctga	780
tacagccgat	cgggtatctg	gagcgcaacg	acagctcagg	gtargetctga	cggcgcgaaa	840
catcgaatgt	cctggagtg	agccgaaaca	ctgggatgga	tgcactctgt	ggaatgagga	900
tagactcagc	gtgtatatga	tacctgttat	gttcatgatg	tgatgatacg	gtccggcggt	960
atgtacttag	tatarggcct	accttgggct	aaacccaacg	acgatcgtaa	tggctccaaa	1020
aaaaaaaaaa						1030

<210> 4128

<211> 358

<212> DNA

<213> *Aspergillus niger*

<400> 4128

ccctgggttg	cgagagtgga	gggcaggtct	ctccgataat	gcggctgtgg	agggagtgcg	60
tttccccga	cgtggaagcc	tgtaacgtat	gggtagaaat	tggtacgaaa	ttacttcgat	120
atgatggctg	gggtgaagga	taaggagaga	gtcatggcga	ggctacggaa	ggattcaact	180
aatctcaaaa	tgggccccctg	ggctttactg	tcattcgacc	acctgtatta	ccagagcaag	240
gggggcacgg	ctcaggaaca	cgtacgttca	aggctggatg	aagtgttcat	tgctcttat	300
cttctatctg	ttggagagtt	tcttttagac	ttgccaaaag	tttgtgttat	cgttatcc	358

<210> 4129

<211> 194

<212> DNA

<213> *Aspergillus niger*

<400> 4129

cgatggactg	aagaaggcct	tcgcccgtct	aacccctgac	gttgatgctc	tggaatcgcc	60
tgccaccaag	cttgccatcg	tctagatata	tttcatttag	ggtttggttg	aatttttatt	120
ttgcgcggtg	gtccataaat	atcagtcata	aagttagctg	ccaatgcttg	aatgagggct	180
gaatgatcgt	ttcc					194

<210> 4130

<211> 579

<212> DNA

<213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 4130
 ggccagaata acattcacaa tgaacacgat ccgatctaca tggataggct ggggcaccct 60
 ttgcgtcgct ggcggcggag cctactactt tgctaagaaa tccatcaacg ccgaccgtca 120
 gacccgattc gaagcggaag tgaagcgcaa ggcgcagctg gctgcgatgg aagccgagca 180
 ccgacgccag aacgccccga acaatgcccc gactcctagt ccgaccgaag atccgagcct 240
 gaagcgcgcc cagtttagtg gtgccgatga tgtggcctcg ccgagtgtcg aagctagcca 300
 tgaccccgca ccgactcgtc acgaaccgga gacagaagct gagcgggtgc tggagaagag 360
 taaatatgag gctacgcagc ctttccggcc tccgagggga aaccgcttgt angctgggag 420
 gtagtttgca cataagtatg tganctggag gcggtgatgg taaaacaaca agggaaagaa 480
 aaggctatgt tgtggcattt tcatgtatca tagtgtgtg ttccgaactg caagggcttc 540
 tacaagatta atataatatg acctgcnttg aataaaaaa 579

<210> 4131
 <211> 508
 <212> DNA
 <213> Aspergillus niger

<400> 4131
 cccatcttcc aatcctccca ttgtccgaaa gagcacggaa aaaacaaaca aacaaccccc 60
 aacaacaatc accgccaata tgttcgactg gttcaagtct tccaacaagg agtctgctac 120
 ccagcagccc acctggaatc ccaacaccat gaccatgcag cagccttccg ccccggaagc 180
 tcccgtcacc gagcaggctg tcaccggcca acccgggccag caagagacga tgcagatgaa 240
 cctgcgtggt ggtgggtgagg gtgaggatgt ttgctgtggc gtttgtgccg gtcttgctgc 300
 ttcgagtgtc gcgaatgctg ctgctagatg gaatcatcac ccggatagac catcttatat 360
 ataccacgaa ccttgacgtc catgtactgk taatattatt cgcacatgc ctataccatg 420
 tttttagcct tgagactgaa gcgatagaag gtccacgtcc tggctcttcat aaatcaatgt 480
 cacgataacc ttttttgcaa aaaaaaaaa 508

<210> 4132
 <211> 459
 <212> DNA
 <213> Aspergillus niger

<400> 4132
 ccgaggtgag cagcactgct tctgcaacga cctcgaccga gtccgcgacc acgactgccg 60
 cgaactatgg caactatgga aactacggca actatggcaa gtacgccagc tacggctcgt 120
 acaagaggga tggtagagcc caaccgacc aggacgtga gtcctcgacc acctctgctg 180
 cgagcacgac tactactgcc gcggcgggat atggaaacta cggtaactac ggtaactatg 240
 gccagtacgc ttcttacggc agttattaaa aagggagtgt agtgcgatgac gacacaaggg 300
 gacaagtgtt acctgagcag aagtggaggg taacgctgct gggattggga gatcagtcac 360
 gatgatgtct aagaatgtgc tttctgttgt atttattggc aattgactag ttactagata 420
 agtataatgc agcgttgctt gaatcctaaa aaaaaaaaa 459

<210> 4133
 <211> 202
 <212> DNA
 <213> Aspergillus niger

<400> 4133
 cggttgggat cactctccca ctccacggag tcatcgctct caatgcggaa cgtcgaccgc 60
 gacggtgact gacacctggc ggtagacaat caatccattt cgctatagtt aaaggatggg 120
 gatgagggca attgggtata tgatcatgta tgtagtgggt gtgcataata gtagtgaaat 180
 ggaagccaag tcatgtgatt gt 202

<210> 4134

<211> 640
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

<400> 4134
 tagacaacgg cataggagaa ggccccatca gtaccacgct caaaccccaa caccactcgg 60
 agcaagctct ccaacgtctc ttccgtctct tccttgctcg aagcaaccac ccctgtcaag 120
 cctaccgctg aagccgaagt cgaaccttcc gaggcagcta tcgaaatctg ggagagcgag 180
 agtgctgcgg aagaagccgc cgatgccaac tgaatctgcg gccaccctga ctatcgccca 240
 tcatccatac caacaagagt tatttcacac ggcggttcgga ttacctcagg gttgtacagc 300
 atcgtttttg ggatacccta cttatacagt ctttttgatt tcgtttggag cccgttttat 360
 accgaccaag atccgtcacg aagacgaatt ttcttgagtc tttttcctat tatcatgtcc 420
 aagaacctac accataccct cctaatacgac tttctacatt tatccgaacc tcaactacct 480
 cgacacgagt cactatcaat ggctgaagt ataatgggccc cctccgtcgc ctcactcctt 540
 tgcgcattent acgaatgccg cgtccaatta cctaactcct aatgactaag aatgtgttac 600
 gtcgcntaat gcctgtatga gatacatacc ctcagtttaa 640

<210> 4135
 <211> 449
 <212> DNA
 <213> *Aspergillus niger*

<400> 4135
 ggaaagcacc ggacatgaca ccgagcgcaa cgtccgcatt ggcgagagtg ccatgccctg 60
 ggagcaggcc gacgagagtg gcaaggtcta caagtaccaa taccaccccc acggtgacaa 120
 gagccagccc ctgcgcaacg cccccagcgc cttgaacact gtcattgtcc ccaacgttac 180
 cctgcccgtg gacctccacg agcgctacaa caagtacgga aaggaggagt gggactacta 240
 aatagtccac catctgcaat tgcagaacaa ggctgtgttg ttgagatcct aggaagaagt 300
 tgaggcagggt cggcgctgat cgctgtacac taaaacttgt gaagactaga gtatggggtg 360
 agaccgttct tacaagacca ctgtgcatag tttgttgttt tgacgagggt tatttggaag 420
 attgttttcg ttgcgcttac aaaaaaaaaa 449

<210> 4136
 <211> 568
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 4136
 taatagatga tcgattttat ttatcctggc ggtctggcac tgttccactc tcgccctcca 60
 ttcttccccg tctttttttt cgccaggcaa ctgcatagcg cgggaagggt gggggcgcg 120
 tcgagtaggc tgggtgtacat gtgggtttgc tttttattta atcacaggaa cggcattttg 180
 gttatctata ttttattaat gggctactgg gtggattgcc cggaaggggac cgatgggtgag 240
 agaagagaga ggaagagaga gacagcgagc tgccttgact tgacagtcca gaatcgccga 300
 cagcaggaac gcgcacacac cgctgggaat cattcaacag tggacgcagg ggggtgcaggc 360
 tggatctctt tctctttctc tcgcccggtc attcttctat tcttcttttc cctcttcctt 420
 tcttctcctt cctcgctttc gataccgtct ttgtctgggt cccacacctn cgtgtaccat 480
 tttctttgtc atgtcatgtg tgctctgtaa tatcgnrtggt cgatttccat acccattcgg 540
 ctaattgtac gattttattat cctcattc 568

<210> 4137

<211> 404
<212> DNA
<213> *Aspergillus niger*

<400> 4137
cgagtcacga attggctagg tgggcttgat agaatttctg tttgagcggg gtcacttgct 60
ttctgggttc atgccgctgc ttgggatggg gtcagggttat gactccgtct ctggcagagg 120
cgcattcgtg tcatggcggc atctacttcg ggggtgcagaa aatctactaa ttaggcacat 180
cttccttctt cgccaaggcc atttattctg gtcgttttagt gttctttaat tgggaagcat 240
tctgtgccct cttttctctc ctggacgccc gaatgctggg tcaaaaaggg gtttctcagg 300
aggaaaaaag aagaaaactg cagagtgtgg gggccagcgt ttagctagga gatatcaccg 360
tacgtaatgt ccaattcata ttattcacct ttggaaaaaa aaaa 404

<210> 4138
<211> 612
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 4138
ctgagaagaa tcattggccgc caattcaaca cttcccgttc tagcaaggcc gtcggtgact 60
catccaccgt tgacttcgct tacatgccat ctatggcaga gatcgatgca cctgctgctc 120
gtgccgatcc gcaaatcccc atcctttccg acatctatac ccactatgac ccgaccagat 180
cgcaagaggc ccccatgagg ccccagggtt ataccgtgtc cgggggtgct ggtgacatct 240
ccgcaagtcc catgaccgag gttgttgaca atcactccgt ggacatcgat cccttctccc 300
taaccgagac ggttggaag tcagattcgg cgaggagctg aagaagcaac agaacggtnc 360
ttccgaacca ggagtcgtcc ggaactttgg agtggttctt ggaagatctt tangttccaa 420
acagcagcaa gctcagaaac actaatgctg ccttatgttt gattatgtct tctgctcgtt 480
ctagcgatgt gtgatggta cttttcaaag ggcccttatt gccgcttttg ncaatgcttt 540
cgggattgaa acatagttat gatcctctgt agaaggacta tcaatcattt gggtttccca 600
aggaaaaaaa aa 612

<210> 4139
<211> 512
<212> DNA
<213> *Aspergillus niger*

<400> 4139
cttgactatc ggctgtgtgc tcggcatcag ctggtggcat cgtcaagcgc gcgaagaaga 60
agagttgcgc cagtgggaagg ccatggcggc ggagaatccg tggagcgagt acccgccgcc 120
ggagatgtac tcgcagccgc agcagatcac gcagtacggc tccgggtttc aagttgtgga 180
tactgatggc cgaactcacg aggtcgggta ctccaagaag gtgatgatga gtgtgtcgga 240
agataagggg aagagtcgt cgcaggagta tccgggggag ttgaagctgt aatgcagcat 300
cacaagcgac tgtgatggta gataagccc atgtcgttga ggaaagagaa agtgggaggg 360
aaatggtgga tatgaatcat gtctttgggt tcggttggtc tgctgtattg ggttggtttc 420
atgtgcataa tgaggcatat accccgcatt gctggtgcac atatatctca gtttaaaatg 480
aatgaaagat tagaataagt atgaaaaaaa aa 512

<210> 4140
<211> 712
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(712)

<223> n = A,T,C or G

<400> 4140
attgaaaccc agaagactgg atggaaattg aacactttcac cgtcaaccat tgaggacaag 60
gatatcctga agcttcacct gatcaacccc ccggtcaana anacgacct gcacttccc 120
ctagggctcg aagtcaccgc tcgcaatatg aagggcgtca cgataaagga tgcgctggac 180
gcaatctaca agcaattcaa gaagaaggcc gatgatgagc tggacaagcc ttacctcgct 240
ggtttcgagt gggacaagga cgagtgtggg acacgcctca ttgttcacca gaccaagacg 300
ggccccctc aacagcccag caagaagtcc aagaagaaga gcaaggctga agaggcatag 360
actgcaagtt cttcggatag gccatgtcca tcttacaacg gcttctcttt tatctctctt 420
taaattggcta ctttcacccat aattttgtga tactttgtcc tcttcgtgcc cttggcctct 480
ctggatcagc ccccgagaag gtcgaggcag gagctaggcg agaggatgat aatccctgta 540
atctgctttg atgtcttcca actccaactc tctactttcg tttccttccg aggatcgct 600
cgntattctc tagttgagtt gacttactga gcaccgaacg atcttgatc ctcgagcgcc 660
attccttcat tcagattcaa tgtggagaca gagggatact tagttgaaaa aa 712

<210> 4141

<211> 207

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(207)

<223> n = A,T,C or G

<400> 4141
ttacaagaac accccaacgt ccagtcata ccatgaacca acccgaaaaa gcaaccgctc 60
gcgtcactgc tgcggaagga caactgacgc gccgaccgng caggatggct aaaaagaaac 120
aagcaggaaa ataaaaaagg ngtttaacca ccgnaagatc ttgcgtgaca acatccaggg 180
tatcactaan cccgctatcc gtngtct 207

<210> 4142

<211> 495

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(495)

<223> n = A,T,C or G

<400> 4142
tgcgactttt gaacaatcac ggctccgaca gctctccaaa gagactcgta ccgaaggcca 60
tgccagcact agctccaatg tcaatattga cccagcgat gagctcaagc cattgccggg 120
ggacaaggcg agaatcgctc gctcgcggga agagcgcac ggtattaatc gacgcaatta 180
acttttgaag ggtttgccca acacgttggc ttttcctggc taccgattta tgccgagtat 240
tgccctgggc atcatcacca cttcccaaga gcaagagagc cccgattggc agtgaataat 300
ctgaaagtcc cacacacatc aagggtgtggg ttttcgcagg tcaatttttg ctacaagtgc 360
atgttctaca agcgataata ttacaacgac aggctgtgca taacatttnc aactctattc 420
cgacggcggtg ncttggttng aacctatctg ngatctacat ttttaatgna ccggtctttg 480
ttccaaaaaa aaaaa 495

<210> 4143

<211> 1425

<212> DNA

<213> *Aspergillus niger*

<400> 4143
ctctgattga acgctgtcca agtacttgac acatgctaata cgaacgacta tttataaaaa 60

taaaaatgagt	agtagtggtg	tacagggtgag	taaaagataa	tttggctacc	ttaaagtaag	120
ggaaaaatcc	cttataaaaag	aaaggaaaaat	aaaagggtccg	ctttaagatg	ttaatcttta	180
tctcggagag	tagtaggaaa	ggtaatgact	tttctagcta	atatccgtag	tcgtgactga	240
gaggtcgac	gaccacattg	ggtctgagaa	aaccccaatg	cgtattagta	cagcagtgag	300
gaatattggt	caatggccga	aaggctgaac	cagtaacttg	gaagaatgta	aatgtattca	360
agaaatacaa	taacgattaa	ctcgtataaa	attctaaata	ggataatgat	aatgacaatt	420
tcctatttat	aagtccttgac	caaattacgt	gccagcagtc	gcggtaatac	gtagaagact	480
agtgtttagtc	atctttatta	ggtttaaagg	gtacctagac	ggtaaattaa	actctaaatg	540
agtacttttt	tactagagtt	ttatgtgaga	aggaagaact	tctggagtag	ggataaaaata	600
cgcaaatacc	agaaggactg	ataacggcga	aggcgtcctt	ctatgtaaaa	actgacgttg	660
agggacgaag	gctcgggtag	cgataaggat	tagataccct	agtagtccaa	gcagacaatg	720
atgaatgtca	tagactagat	ttaatatatta	gtctataaat	gaaagtgtaa	gcattccacc	780
tcaagagtaa	tatggcaaca	tataaactga	aatcattaga	ccgtttctga	aaccagtagt	840
gaagtatggt	atttaattcg	ataacccgcg	aaaaacctta	ccacagtttg	aataacaatt	900
aaaaaattgt	tacaagcgt	gcacggctgt	ctttagttaa	tgctcgtgaga	tctggttaac	960
tcctttaatt	aacgaaaacc	ctcactttat	ttagtatat	aaagtgggtc	gccgctacat	1020
aggatataga	taatagggat	taagacaagt	catcatggcc	ttaatactgt	gggctataga	1080
cgtgccacat	acgccttaac	aaagggatgc	gatattgtga	aatggagcta	atcccaaaaa	1140
taggatataa	tatggattgt	agtctgtaac	tcgactacat	gaataaggaa	ttactagtaa	1200
tcgtgtatca	ccaacggcac	ggtgaattta	ttctcagcta	ggtactaacc	actcgtcagg	1260
cgctgaaaga	agtatgtgca	ataagtttga	tttgcttatg	tattaatata	tataatcagg	1320
tatataaata	tgtatgtctt	attttcgtat	gcattgacttt	gattggtggt	aaagtcgaaa	1380
taagggttcgt	gtaatggaaa	ttgcacggga	tggataaaaat	ttaac		1425

<210> 4144

<211> 458

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 4144

ttcgcacatctt	tgataaagat	atcaagaaac	cagaacaatc	attactactc	tctataagga	60
tatatatact	ttacatctca	cacatcatga	aatctactac	tactacttcc	tccgcccgtc	120
tccagaatga	ctttggagcc	gatctgtggg	tgaagaatcc	gcctaagcat	catcccacgg	180
caggacgcgg	ccttttcgct	gggcttcaag	acactaagaa	ctataatgtc	gagtcgggct	240
gggccaagcg	cagcaatgtg	gagagtcagg	ggtttttggg	gagtttggtg	agccgggtcat	300
tgggggatcg	tataagcctc	ctactgatta	gatgcattga	ctgacgggta	tgggggaagtg	360
gttgacggat	tatgatgnat	ctatggtttt	ggtttggtgt	tgggaatccg	tatagcgtag	420
atatagcatt	gngaacangg	gtcctttgaga	gaaaaaaa			458

<210> 4145

<211> 429

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(429)

<223> n = A,T,C or G

<400> 4145

ccgagaggaa	cttacggctt	tcccagtcag	gccaatattca	ccgagcgaaa	cctgcaccgc	60
gtccgggtgtc	ctccactaac	tgatcacata	gactatccat	ctcggcttgc	atagctgcag	120
tatcgccatt	acaaaattgg	ctttttctcaa	aatcaatcag	tcgcaccgtc	ccatcttgaa	180
caatgaagtt	gtatctgttg	acatccccat	ggaggatgcc	aatgtcatgt	aggcgctgga	240
gggcagcttg	acaagacgaa	agatcctgga	tttttgcttc	acgcccttgg	agctttttcta	300

gcataaagcc gattacacgg ccatgctcgt ggacatggcc aatgaatctt ggggcaagac	360
ctgtgtttcc aatttactat acatgagagt ctncagcaat aacgangtat ttccactcaa	420
aaaaaaaaa	429

<210> 4146
 <211> 304
 <212> DNA
 <213> Aspergillus niger

<400> 4146	
caacacgcct gtatatgcgt ctcccacagc aacctccacc gcaacagttg aaccccatto	60
gcaatccctt catcttatcg aattcgatac ccaatcatcc cggccccaa gcgcggtacc	120
tacatccata tcccccttcc catccggacc tcaggatgaa tgaccggaat catgactact	180
atcgtgtttc acaatcccc aaccaccgga taatgaataa gatcacgccg gtaatgtctc	240
acttacaacg agacaaccaa tgaatacgag ttataatcat ataataatac ttataccgac	300
cgag	304

<210> 4147
 <211> 116
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(116)
 <223> n = A,T,C or G

<400> 4147	
ggtagctacg atttgggtgt ctcttttatg atgacgtgga tcaaacaatt gacggatcat	60
ggtactctaa aaaaaaaaaa aaaaaaaaaa naanaaaan aaaaaaaaaa attcct	116

<210> 4148
 <211> 431
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 4148	
ttgaattggn acatagggag gagagtgttc tttccttttt ataaccatt aacttgtttt	60
gctacatttt atttcacgca acccaattca caagaaagga agaaatctct tgttccttcc	120
ctttcccccc acacgccaac catggccgga acgaaaaagc gcgcgaacgc cgacgacgac	180
ttcgtgctca cattgtcgga cgatgagaat gacacgttaa atcagctcga agaggagggc	240
gagggcgacg atggtgctgt agccacggga tcgaaaacga agaagcgcaa gagagatgat	300
gctgcggcgg cgcagcagga gaaggggaag aacaagaagg tgaagaagca ggaacaacag	360
caacaacaag gcataagaaa agcaataaga aaaagaaagg gaaaccagac ttcgaaagaa	420
cangaaaaca a	431

<210> 4149
 <211> 531
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 4149
 ccggagacca gcattcttga ccctcagatc ctcttctgtt acttcttctt cctggcttgc 60
 ttctctggcg tctgtactt cttctacacc gtctggatcg ctccctactt cccccagaag 120
 cgccgcgctg gaaagggccc cgagtacaag aagtccgctg gtgcctccaa gaaggaggcc 180
 cccgttgagg ctcccagcag ccctgctgtc tctgttcca ctacctacaa cgccgagtgg 240
 atccccgctc accacatcaa ccgtcctgag gccagggaagg tcaagggttag cgccaaggct 300
 aagaaccgtg cctaaatggc ccttgcatgt ctgagtcgat ggggtgatctg tgaggagata 360
 ttgggaaggc ttggagtcng anggaacctt ggtggtctct cancgactct ggagtaaggc 420
 tagcgactt gggaaaggtc acttgaaaat gtggccacaa gaagttatgn tgcttggatt 480
 tgcggggtcat tactttaatg atattataat cgagttacnc aaaaaaaaaa t 531

<210> 4150

<211> 379

<212> DNA

<213> *Aspergillus niger*

<400> 4150
 acgacaaggg ttactaccta gcagagaacg gtcctttctg ctgggggtgac attcagaagc 60
 aggtggccca gggtgcttat gagaagaagc ttatcccgct ccctgagggt gagcccttga 120
 ccgacgaaca gggtactgag accaaccaat ttggcctgta tgccctgggt agcagctctc 180
 gcggtacttc ctaccgtggg agaaagctgt tgggttgga cccccaccgt cccagctctga 240
 aggagcttat tcttgagatt gttgacattg aagccaaggc tttgggcttg ctgtgaggga 300
 gctcgaaaat ttatgtagcc aactacgacg cattgatatg atgaatgaca tgataatatt 360
 taagatgaaa aaaaaaaaaa 379

<210> 4151

<211> 338

<212> DNA

<213> *Aspergillus niger*

<400> 4151
 gtctcacact cccaatctc ccaagcaaag actcctgctt ctctctcgag acaacccttc 60
 tccaaacatc cacatcttac acaatgcgtg ccgctactct cctctctgct gccctctcgg 120
 ctgtggctct cgccctccct accaccaaca acgtcgagcg tgccgtgctg gacgccaacg 180
 tccgtcagat ggacgagctt accgttgctg ctatcagcaa gtaaatggct aagcgggata 240
 ttacaaggga tcaatgatac aacgcgaaga tttatgtatt tagttatgaa attcaagtca 300
 attaattaaa ctaagtatct tttgttgaaa aaaaaaaaaa 338

<210> 4152

<211> 463

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(463)

<223> n = A,T,C or G

<400> 4152
 atccccgataa aatgggnaag ggctcatctc cgcctccctg cttcgtcccg ggcaatggcn 60
 cgaagcctga gnccttccat ttatnccgga tacacttaca aaagcggttt caaacggcct 120
 tccaaggga aattgangga tacaagtcca caatccgant gtccttgatga acccagant 180
 agacgtcatt gaaggagtcn gaacagcggg cggggcttgc antggatggc ttttcagntg 240
 gcgcatttag gttctggtct cgnngcatcc ccttgatgat cagtttcatc caagcatcta 300
 gcgcatttga catttcgcct cagttgggta cgacctanca ttgttcattt cntattacct 360
 tcttgatttt gcatccgntg tgcnaagac gacgattgcc tanctaccga ctgtatctaa 420
 ccgggggatac attatgaagt gngatatcat ancatnttat tag 463

<210> 4153

<211> 385
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 4153
 ctnaagaact acttctcttc gtcagaacaa gaatttcgcc aacatgcctc accaatacat 60
 cgtcagcctc aacaaggagt ctccccctga ggagcttgag aaggccaaga agactgccac 120
 cgacaacgga ggcaagatcg tgaaggaatt tgcgctggtc aagggattcg ttgtccaata 180
 cgatgatgag caagtctcta ccctcgagtc ctccgaccac atccacgtcg agaaaagacag 240
 cgaagtctca atccagtaaa cagtgaacca aaggtatcag agtggactgg tccggccata 300
 tgaatctttg cgggagctta gataacttct atcttaattt ttatattcca tgtatgaatt 360
 atgatatgac ttgcataaaa naaaa 385

<210> 4154
 <211> 408
 <212> DNA
 <213> Aspergillus niger

<400> 4154
 gtaacttcag ctgcagcgcc ttcaagacct tgcgtgagaa caacgtcatc cgtgggtacct 60
 acacctgcaa ggccagcact tccgacccca ccaccagcga tggatcctct ggcaccacca 120
 cctcgaccgg cagcagcagc agctcttctt ccaccagcag cgacagcgcc tccgtcatga 180
 acgtgggctaa catgcccgtc cttgggtctg ctgccgtcct cgggtgggtctg atccagtacg 240
 ctctgtaaaag gacaacttga taccaaacat ttgtgtgtac gctttttttg aaacccttat 300
 catggctcgtg taaagtgtgc taataagcaa ttgggtttcct ttaattccaa gtactgtgct 360
 gttcttatga taataattga atatcggttt gcttgagcca aaaaaaaaa 408

<210> 4155
 <211> 359
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

<400> 4155
 gatgtccac gccaaagtca tcgaagcctc ggccgtctac tccaaggaca aggagaccct 60
 gtcttggttc gtcatgcaga gcgtccacga caagcaggac ttctgcatcg tcgagcgcta 120
 cctcaacgag ggctcccaga agtaccacct cgagaacccc tactggaaga ccttcgaccc 180
 ctacgtcatc cctctcttgg agaagcccat ggacctcaga cgctttgagg agatggagga 240
 gaagaaggag taaatgtgca tactataaaa cttgaaatgg catgtatata gattgaatga 300
 tattttccga tgccgtgcgt tggagtttat tcatggcaaa aaaaaaaaaa naaaaaaaaa 359

<210> 4156
 <211> 240
 <212> DNA
 <213> Aspergillus niger

<400> 4156
 ccgcttcgtc cctgtattcc tgagcctctc acaaccaggc aataacaggc ctggcttttg 60
 catagctcat tatatccaaa tcaggcggtta cttgtcccgc ttcaaatcat tattatggtc 120
 catgcttatt gcgttacgtc aaagttcttt cttccagctg atcgaacccg gggcagagtg 180
 atgcggcatg aaagcttttag aaatatatgt ataaagctat tagaattgat tgaatgagac 240

<210> 4157
 <211> 449
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 4157
 caatgatcac cgacgacgaa ctccaccgtt tggccgtctt cctcggctcc tgcgccatga 60
 tgatgatcgt tctctaccac ttcctcgaag tcaatgcgaa ggatgatgat gaagaagtcg 120
 acgtcaaaaa caacaacagc aagcaatcta cgggcgcctc gtcggctggg tcgactaccg 180
 catgatttga taggatttgg tttggacttg agcttgcttg ggagggtggt gataattcga 240
 taatgttata atcgtgttgg gcgatggatt tgggttggtt ttgggcttgc ggtactacta 300
 catgtatggg ctattgtttc tgagcgaca aaggtgacaa gggggatggg tgcaaaagcg 360
 tgggtggaaca gaacagaaaa gtggcgatga atanataccc ggtggtctct cagaataaac 420
 tacttattcc tctcctcaaa aaaaaaaaaa 449

<210> 4158
 <211> 147
 <212> DNA
 <213> *Aspergillus niger*

<400> 4158
 tcctgctgta agcacgaagc ggaagtgtgg ggcccccttt ttttcttggc ccgtgaagac 60
 tgggtggattt gttagccgta cataattgaa tccgttctac tttgtgatta ttccaagtag 120
 catttaatgc acatattttg tatcact 147

<210> 4159
 <211> 562
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(562)
 <223> n = A,T,C or G

<400> 4159
 aaagagcacc tgctctgact cggagattgt ccagatgata cgcgatggag ctatcggaac 60
 ttccgccagt ggtggtgatg gcctcgcttc tctcctggac ctggccgggc ggactgggtg 120
 tgcagcctac taccgtgccg ccagactgta caactctggc ataaactccc ttaagtccac 180
 caccaacctg gaccttgccg ccggcgccac ttcttgctac gcctctgata tcgccaaccg 240
 tctcactggc tggacgacgg ctacctccag ttgctctagc tggtaagctt cttcattccc 300
 acgcagtagt gggattgaga ggtatgcttt cccagcgctg gcataagcat gccttgagca 360
 cttggatatg gcgatttttt cctttcattt cttcttcttc tttgacattg atgcgataga 420
 ggtagcacaa cgtgttcagg cagcatgttg tccctcctac gcaagtttcc ctgactttct 480
 tggctcctgtg atatcattct gnttttgnat ttcaatgggt tttatcttca attagaagca 540
 ttgctcgctc tgaaaaaaaa aa 562

<210> 4160
 <211> 462
 <212> DNA
 <213> *Aspergillus niger*

<400> 4160
 cttccgggtac accccagagc gcccaaaata caccaagccc atctgatttc tctccaccgt 60

ctgctaaggg	acttttcta	t	tcgtctttcg	ttggaaacct	acgaatcacg	gtttcacaat	120
gtgcacttcg	ttttacata	c	agtatacctg	tgggtgcaga	aaagagatgg	agttcgtcca	180
gtgcgcggag	cgtcaagga	a	cgaatgtgaa	atgcaagcct	gtaaggaagg	agccaggcaa	240
ggattctacg	aactattgca	a	gaggtcatct	tgtgaatcct	gatgccccaa	agaaatattt	300
ttccgacgag	gagttgcagg	a	attgaatagc	gaaaagaaaa	tgagtactcg	tcaagctcaa	360
atatacttag	tctaggaatc	a	tcaacttgat	agtcaatgtg	tcgtcttcgg	acaagtgtat	420
atacgtgcga	aacgcgctca	a	ctagaatagg	t	taaaaaaaaa	gg	462

<210> 4161
 <211> 613
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 4161	
gtcttttgtt	acttttctct
atcctccctc	gtgctcgccc
tcaaatacct	ttactctaca
ctgttgccgt	cgccagaccg
gacggaacga	cggcatgtgc
tcctctcgtc	tgcggaagtg
tgttgacaac	gaggattaac
ggtgtgatgt	cggatacgcg
tgnaacttgk	gaatacgact
styaaaaatc	ggtgatgggg
aactytgatn	aac
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	613

<210> 4162
 <211> 207
 <212> DNA
 <213> Aspergillus niger

<400> 4162	
gctcctttta	cttagcacag
attccccctc	cgagcatttg
ctctgtctct	gctgtggatt
tgtattttaat	caaaaaaatg
	acttgag
	60
	120
	180
	207

<210> 4163
 <211> 361
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 4163	
ctttcaccac	gatttgcaag
tcccaaaggg	gttggtgggn
gcgcanatgg	gaatattggt
cgatggatgc	gcaatantga
ggcgagggga	aggganagcc
gggtcataag	ctctcggtac
a	
	60
	120
	180
	240
	300
	360
	361

<210> 4164
 <211> 471
 <212> DNA
 <213> *Aspergillus niger*

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<400> 4164
ttttttatag taaaatgccc aattcttttg atattttccg cccgaacctg atattgaaag      60
aaattggaat agtcgtagtg aacagagtgt agtaacataa aattgaacag ctggaaatgg      120
tattcttctt tttttctttt tcatctcggc tcaaagttat cgactgcaag aagggggtgt      180
gaaacggcca gaattgctgg aggaagacag ttcagttttg agggagatca agtatgaaat      240
aacaaccggt ttttcctttc cttttttaac ctccggcatta aaaaaaccgc aatcctaagc      300
aaacatgagg ctccaatcga gttacatata cttcatgagc tgtttcctcc tgcgaccccc      360
ctttcctttc gcaagtgcg gttgtggagt tcgaccagtt gcttgcaaaa gattgaaagg      420
gggtttctagc cgccgccttc gcaggactcc ttcacaataa ctaccgaacc c              471
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<210> 4165
 <211> 435
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

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<400> 4165
cctgcttctc cttgataatt tggacaaaga ttgcgacagg ctgagaaaga cccttcacag      60
ccttgagagaa gccactgacc tcaagagcac gaaggggtgat acattcttgt aagtgaccca      120
gtgcattgag aatgtgtttt agtaccgcag tttcgtttat gatctctcat cttccgatgt      180
tcttttcctt aatcnttttt tcntttttct ttctttctgca ttatctttgc attttaattt      240
cgatgtcatg tttgcatttt tcttcttttc tgcattgaaca tgaaccagaa ccagaaccaa      300
gaccacagtc ttttgtttgt ttcatttctt ttgtcttttc tctgtttctc ctgtcttttt      360
ctatagactg atcatgatga tgactatgat gacatgttga taacgctata aatgtacgtg      420
ctctgataaa caaaa              435
```

<210> 4166
 <211> 398
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

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<400> 4166
gccgtgatga ggatctcgtc gcanggagac acggacaggc atcanggtgg tggagggtcat      60
tcnggaggat cgaggagggg agaggaattg agacgtgggg ggaaagaaag gtcaggaggg      120
atgcgtgcac ggcatgtcag ggccagtcgg gggcaattcg gaggattgaa gttggcanga      180
ggtttttttg gcgaagctga agcactcgag aatcgagct gcaggctctg atgtgttccg      240
gattgggagg agttgaaagt tgtatcttta cggataccgc agcaagtatg tctcagtacc      300
tgacaggaca agtgttaccg ccaggatgta tgatacctgt cacaacgata cctcactggg      360
actagcttaa catacatata tacatcatat atcttcac              398
```

<210> 4167
 <211> 552
 <212> DNA
 <213> *Aspergillus niger*

<400> 4167
 actagacata cctccactat accaccgtca ccgcgatcgc tgcagatcct gatcccaacc 60
 ccaagatctc atattccatt acctgtcacc agtgatttct cacaccgcca ttatgaacgt 120
 cacgctcaaa atctgctctg tcctcgctct agccgtctcc gcaactggcgt tgcccacgac 180
 cgacacgcga gttatccaac tccgtctttg gggcgaaacc ggttgtgccg aggagaacaa 240
 cggcgaaactc ggccctgtacc aatccggcct taatgaatgt ggcaccttcg cagggtcccga 300
 agccatccac tctatcacca cctactacgt tgtatccggg tatgctgctc aattcttcac 360
 cgactcgaat tgtcaggaag gccttcagaa tgtaacaaca ccaggatgtc tcaacggtga 420
 cactgcgttc gccagctata agctggttct gacctagtag tggattggaa gcagatgagc 480
 agtgcagaga tggatagatg atattgaact atagtgtga atgttaagag aatagtgcac 540
 taataaaaaa aa 552

<210> 4168
 <211> 489
 <212> DNA
 <213> *Aspergillus niger*

<400> 4168
 gtgcctcact gattaatgcg tcttattttt attcccctcc tgtgtcccat ttctctacat 60
 tgtcactctc taatcattgc ttgaacacg atatacataat gtgttaggca aacgacatgc 120
 cctgttcgcc gtggcgaaact ctgatgaacg atactgtctt ttatttcctt gcccttttcc 180
 tgtccatatt ggagctttac tctttcgctc acatcttctt tttcttcatt tcccttttgg 240
 attgcggtct gtctttgcac ctcttggatg tatcactctt tccagcggta tttctttttc 300
 acgcttgatt cccctctac atttcttctt ttatctatcc actagtgtgt gggccttttt 360
 ctatttttact cagtatcctc aggaagagag ttccacttta tggcctgtga atgagattac 420
 tcgacttttc aaatcgcta cgttggtgat agaaacaatt tcaacgaatt catcaaataa 480
 aaaaaaaaaa 489

<210> 4169
 <211> 323
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(323)
 <223> n = A,T,C or G

<400> 4169
 ctatcacctc ccccgccctc cctatctacc tgctccatca aacttaccgc accaccgcag 60
 catacagtgc atatacctcg ccgatctcat cccgattacc gaataatcct ctaaatcagc 120
 ttcatcttgt ctctcttctt ccttcccat catgtatgta ggtgcggagt gaatgtccac 180
 catatgcac ttcttactca gtatttacgc gctgctaagt cctggctctg ttctgtccct 240
 cccaggagtg actagattgg gttacagtgc attagaagtt caaccagatn accaatcaac 300
 ccaatgaaac atacaaaana taa 323

<210> 4170
 <211> 462
 <212> DNA
 <213> *Aspergillus niger*

<400> 4170
 aaaagatcca tocatcagtt tgaatttgat cttaagttat ataaagtttt gcaggccctt 60
 tatccttttg gcgaaacatc tgtttggaac agctacaatt gaagtcaaac cagagccgag 120
 agaagcctac agacaagcgg ggcattggtca agattgttca caaagagttc aatccctggc 180
 ccgatgacct aatccaggaa tcccatcact ctggaccaag ctggaaagtg attgagtaga 240
 caggcctatc gatgaagcct gtaaaaagtc aggaatggtg agagattgta cgtgcgggag 300
 aatagacttg gctgtggctt tcaactgtcg gtaacaccga tttcaatatc tttgaccagg 360
 ttgatgccgt gaatgatatg atgaatatta gtccaaggaa gtgattagtt aggaaggact 420
 aacaccagta gcggtctcta tacggaacgc ccaaaaaaaa aa 462

<210> 4171
 <211> 435
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 4171
 cggaacttcc gccagtgggtg gtgatggcct cgcttctctc ctggacctgg ccggtcggac 60
 tgggtgttgca gcctactacc gtgccgccag actgtacaac tctggcataa actcccttaa 120
 gtccaccacc aacctggacc ttgcctccgg cgccacttct tgctacgcct ctgatatcgc 180
 caaccgtctc actggctgga cgacgggttg cgatatcaga ggcatgattt attgtaggtg 240
 gcagggttct tcaactccct tctcctctcg caacatgacc caagaagaan atgcactgag 300
 ctggagctcc ttanggttat tcatcgagga tcacctgatg agggatatag tctttactga 360
 cagtcgctac atctatcgct atttctatat aanggaattg aaggacaaag aatgcactga 420
 taatanaacn acggc 435

<210> 4172
 <211> 390
 <212> DNA
 <213> *Aspergillus niger*

<400> 4172
 ggtcattctg ttcgagcttc catcttccaa tttagccggt tttcattcaa ccttggtccc 60
 ctttgcacgc ccgatttccc ccccaagggt tgtaacagct ggggggtattt cccgacttca 120
 ctccaagatc tttctttccc cctctccatc tttcatcaac ccccttctgt cccggtttgg 180
 ttctctact gggtattgtt tactggaagg gtcaatcagt acgggtgatt gtatgaggta 240
 gattgattaa cactgggttg acggagtgtt gtacgcgggg ttctttgttg actttcgggt 300
 tctgggtggag gatttgcgct tgcggcctcc tgttgttgct caagtctgac caagatagct 360
 agcaagcatt ctacaagttc cgaaaaaaaa 390

<210> 4173
 <211> 269
 <212> DNA
 <213> *Aspergillus niger*

<400> 4173
 ccactttttc ttccatctt cgagaaaaag aagacttttg tcctttgaca cccaaatcca 60
 gaagactctt ctacttcttt aaaaccagtc atcatgggta acgaccacgg ttgcagctgc 120
 ggcgcctctt gccagtgcc cgccggccag tgccagtgcc ccaaataaac ttatcgcttt 180
 aaagggccat atgaatagaa tcggaggacg acctgcttgt acctatctga tctagatctc 240
 atggagtagt aatagaagat gctacgctg 269

<210> 4174
 <211> 295
 <212> DNA
 <213> *Aspergillus niger*

<400> 4174
 tgattgtggg ccttggtgat taggttcac ttctggcttc cgtcgcagat gctctgtcga 60
 aggagccgga ctctactttt actttccatc tatctattct tgatgatgtt ttgatattgt 120
 tcgtgtgatg atataccaat catagagtca agccctgaaa cccctactac ggtatggggg 180
 tgttgacgat aaacgattgt ttttctatct gatgaacaaa cacatactca ttattgatat 240
 cctcattaca acgttattat aacctgaaga aatatgaatg caactatctc ccaag 295

<210> 4175

<211> 299
 <212> DNA
 <213> *Aspergillus niger*

<400> 4175
 ctcgcctgat aagtctagaa ctctagcgag gggctgtagc aaccgcattc gggacatggg 60
 gcgtttggat gttttcaata tccatcactc aacgcttcgc aaacatcctc cgaccagta 120
 gcgctccact ccaaatttaa tttccgcacc ggcactatcg cgtggatcat ctaagcggcg 180
 atcggcattt tcgtaaagca tgtctcttct gtacctgctt gtgactgcgt ccgatgcgtt 240
 gacctccaag tacttttagcc ctccaaatca atttatcgct tacacctacg aaaaaaaaaa 299

<210> 4176
 <211> 606
 <212> DNA
 <213> *Aspergillus niger*

<400> 4176
 ctgctcagtc cgatcgtctt ttcggaaatt gaaacottga atgaagattt gccgcccact 60
 tctcgtcaaa actcgccctt tgatgaaacg aatagtataa tgagagaagc acgagaatta 120
 ccgtattttg actttctaga ctccgacccct gtttcccttc aagtttgtca aacgggacgt 180
 togttttagga tccatcgaac gctgcttcac tcaaagtcct caccattgat tgcagccttg 240
 gacagtaatc tcaaggaagg ccagagcggc gtgtatgtat ttgaagacgt ggcagagggg 300
 acaattgcgc gatttattga atgggcatac cgaggcgatt atcccgccac aatcagcggg 360
 accaacattg gacagactcc aattttgctg gaaggcacgg agacggatat tgacgagaag 420
 cctgaaaaca caactcctga aaccgactcg acgtcagaga accaccccct tcttgccata 480
 tccgtctata catattctct gagacttacc ttggtcccga tcttcaacag ctggcttatg 540
 aaaagttgac tgcttgctta acggacttgg acaaaccgac agtctcgaca cttcaacttc 600
 gcagta 606

<210> 4177
 <211> 533
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(533)
 <223> n = A,T,C or G

<400> 4177
 ctgatgtgac tccatcactc cggaacgaat ggaacatgct ccgtacggac tttccttttg 60
 gcaagaccac tgttaccaag tggacacccat cacctactgt tatggctgct gcgtgaacag 120
 catcattgat tgcttgacac catgtcaggc aaatactatg ccaccaacac caccgacacc 180
 ttcagcacta ccatgatcat tgtcatgatc aatgganget cgaagcccga nccatctgcg 240
 catcggagca ntctgaagaa gtatnccgga atctaaaggg accgttctcg gactggcagg 300
 aacactccac cgttgagcgg aatcccgcga acaagcatgg ctggctgagt ggagctatcc 360
 gagcgatgtc ngcaaaccgg ccaactangc gcagggaaca cgcaaaaggc ggggtggattc 420
 cgggagagaa gaaaccactg cgagcacaaa atattcngaa gttgatgctc accgcaaacg 480
 gtnatcntc ccgancgatc tgangaatgn tgacataagg tgaacngaatt tgc 533

<210> 4178
 <211> 284
 <212> DNA
 <213> *Aspergillus niger*

<400> 4178
 attctcgtga cgctgcgaag ctcgagatga ttttttccaa gttcttcctt gcttcccccc 60
 atcttttatt ttatcattat tatttatctc ccctgacagc ttgatgtctt ttgtgtattc 120
 cgtgtttcat gtcaaatttt ccaagggcgc tgtaatggga aaaaggggat atgtttcggg 180
 agtgggaaag ttattattat ttccatgatt ttttttctt tcattttacc ccttttgggt 240

ctgtactctt gtgtcttctc ttaatatata cgggtctgta cgag

284

<210> 4179

<211> 639

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(639)

<223> n = A,T,C or G

<400> 4179

tttcccctaa attgggttcc gatattctcca tccaaatcca actgggaact aagctttggt	60
ataaaagaaa caaagggcgg gnatacgtcg ctgatcttcg tcccttcaca atcctctaaa	120
tccaacctaa tctttcaaga tcagcacttc tctacgaagc aggaaatcca caaaaagaaa	180
gaaagaaaaga aacaaaaatg tcccacagcc acaacaacta ccaccagtc gcctcaagca	240
agacaaagtc cctaccatac acacaatcca agcccatgaa acgctcgact tcctactctc	300
ccaccaaga gaggtagcaa gaggacaagc aacacgtcaa gaaagacagc gcgagcaagc	360
acagtagcct gtggcaacga ccataaagtg aaagccgcgc tgacggagct tctcaacgac	420
gacggagtg aatgcaatgc gcgcggnagc aagtcggtgc agaacttgct gatggatacn	480
gagaaagngc tgaaggaagc agcgcaagga gtcgctttcn ggacgggctt cgattttggt	540
ggcgaagtga agtgatttcn gtgttgatgt gagatntaat cnaatttgac tgggtgacga	600
catgatgaag ttgnaatggg gggtttgctt tgattgtcg	639

<210> 4180

<211> 545

<212> DNA

<213> *Aspergillus niger*

<400> 4180

ttgtctcgc ctggaggag aaggagacag agagcttaca ttgggttgca attgatcgac	60
aactagcccc ggctggccga ctatatata atcgtcacct aggtggattt acctttttct	120
gttgacgggc atttccttcg ccgttcttgc gcactggctg cgatatcatc ctttcgacgg	180
tacaccaaaa gactaatcgc gggtttgctg gctgcataat ccctgcaggc gacaggttct	240
ggacggtttt actttttctt ccaacgaatc gtgacgtgac tggactatat taccgcggga	300
tctgcgttta gatcattctc tgcgacatat ttctttttcc tttccctccc cactgtgatg	360
gctgtcgggt ttggcgcaac ttttacctca acatcgactg gtgtcgcaac ggtggtttca	420
aaggggtgtc ggtcgacgga aatggaggtc actacagagc agggaggaaa gttaactgaa	480
cataacacta cgatcccat gcaaatagat aatcaaatac aagaagcccc gggcaaaaaa	540
aaaaa	545

<210> 4181

<211> 611

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(611)

<223> n = A,T,C or G

<400> 4181

cactgatcgt ttaagattgc cttgtttctg tcgagttgct ttctctcgtc atatattggt	60
cttttccctt tgaaagttat actgattaat tcagctttga cgccgttgct tcccgcaccc	120
aagcctgcgg gcatatttct ctttcaaggc ccttttccct ctttgctctt ttgectccct	180
aagtcttgct cgcttttggt gtatatacta tctaattgct tgattgcccc aaagctgttg	240
aagtgcgtca aggtgttct caacgactac gtgaaatcat atcctttgag ctcggtcgca	300
agcgcgaatt agatggatcg cgggtgtctt gatattgctt gacatactgg caaggccgc	360
agagctttat aactcacatc atcttactgc agactagttg gcttagtctc tgtattcacc	420

agactttaca	ccttgtttgt	atgcagtgat	tcgaacactg	gccgtgcagc	actcaagacg	480
cttcttcaat	ctactgagtt	cgagcaaagc	cctcgataga	tactggggtt	tcgatctcta	540
agcatttgag	acgagtgagg	ntataccgtc	ataactgtca	tctgcaattt	gccaaccggt	600
ccgaatggtg	c					611

<210> 4182

<211> 464

<212> DNA

<213> *Aspergillus niger*

<400> 4182

cgtgcagtgg	ggggccggtc	tgcttgccgg	agaatgtacc	tgtgaacggt	cggcaactga	60
gaaccacccg	gtgacgggag	cagcctgccc	atgtggcaag	aggtcttcca	cttcttgca	120
ctgtgagaag	gccagcgcta	ttgacgctgc	tgttggtctt	gagactgact	tcaccactcg	180
ggcttaaaat	ccactcctgc	acctttgtgt	ggaaattgat	gatcaaattg	ttcttgccg	240
ttactggatt	gcatgttcca	tggagtgatc	ggtgttcatt	acggagtgtt	cgggaggctg	300
agattgaccg	gcttcatggt	tgctggggtg	tttgattctg	ggttattgtg	cattgccatg	360
ggctatcctc	aagggaagc	gagagattac	gtagtattag	tgacgaagag	tcgaattgta	420
tcttagaatt	atacctaata	cgacgactgt	ctgaaaaaaa	aaaa		464

<210> 4183

<211> 330

<212> DNA

<213> *Aspergillus niger*

<400> 4183

aacaaaacgc	ttttttcctg	gtgataaggg	atgggtgtttg	ttgtttcttt	tcagcgggtga	60
gggtttgcga	acaaaacttg	acatatccca	tttcccattt	cgttttttcc	ttttaacatc	120
tgtattacct	acctatatct	ggacgggtctt	cttgcttgct	gagaggttct	ctgggtattt	180
ttgggtgtgc	cacagtctct	tctctcttct	tctcagggca	tttgctttct	ttgacatatg	240
agcgacattc	tgctactatg	aatgaattga	acaaatgggtg	gtgggagagg	gacttgtatc	300
tagcggagat	agtctaattg	actcgtggct				330

<210> 4184

<211> 474

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(474)

<223> n = A,T,C or G

<400> 4184

ccgtgatctc	aaccatgacg	agaaccgagc	gtgtccgact	ccccgatgga	tccacccaaa	60
agaagacagt	ctggacaaaag	agattctcag	atggctcgtga	agagagcaac	gagacgacgg	120
aagtactgaa	ccctccgcat	ggacagaaca	gtacaggaga	ctcttcatct	gccaatcaaa	180
aggaatccgg	ctggttctgg	agagattaga	ctggtgttca	gtctttgatt	tgctatcggt	240
tcactctctt	ttctttttct	atttttcaca	ctataacctat	gtgatctcaa	ggatctactt	300
atcggtgtcg	tcaattagcg	ctgattatca	ctgctggcgt	tgcttttcaa	aagcattcat	360
gttccttgcc	acactcacat	tctgctttac	gatttcctat	catatgncta	tatcttaatg	420
atgctgatnc	aatctactat	ggcttnccatc	tttccttttc	gatgagaaaa	aaaa	474

<210> 4185

<211> 497

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(497)

<223> n = A,T,C or G

<400> 4185

ggtgcttagg	gctggccctt	cagagggaca	cgctcggag	aagaaacatc	tcagcccccg	60
tccaccggac	gaagatttcc	tagcagcatg	gaagacattt	tgccctccag	aaaccgatgc	120
gcggatctcc	actgatgccg	gacgttatct	ctgcgagttc	atcctgtaca	ccagcttggc	180
actggcatac	caggcgggtg	aggatcgcaa	tgtcaccttc	ttccatgttc	ccgcgtcatg	240
cttgatgag	gatatagaga	cgggcaagga	ggttgccgcg	cgctaataca	ggctcttggtg	300
actagctgga	gtgagcagca	gcacagcgtt	ccctagttct	gaatgacttt	ttcaatcttc	360
tcggagttgt	gacattgcat	gtccaacaag	ttttggttat	cggtggncct	atctgagtac	420
tatatTTTTT	tngcaatatt	ttgcattagt	gaatacatat	gggcgcctga	tgggtattga	480
anccatcana	aaaaaaa					497

<210> 4186

<211> 396

<212> DNA

<213> *Aspergillus niger*

<400> 4186

gccggaacac	cggagctgaa	tccagcttgg	tgataatgtc	tggatgctcc	cgtgcttctg	60
gtcctggaat	tgcaagacga	cgcacggggt	gacggcctgg	aagaccgctt	tgggttcgga	120
attcactgct	tcatgtccac	cattcgtctc	ttgttatgta	cttttgcccta	cgctatacct	180
tgttcccgct	cgatttccct	ttccccgttg	tggcctggta	ctcctacttt	tattcgtctt	240
cggtacactt	attatTTTTT	tttgccctct	ttacaccatt	ttagtgagat	caccaccccc	300
tgaccatctt	tttattttct	ggacgttttt	cttggttctc	tgctgtttct	gtgcgctagt	360
tgcaatctga	agtgttattg	aagagcgaaa	aaaaaa			396

<210> 4187

<211> 633

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 4187

gtcaagacat	agactcttcc	catgaacaaa	gactcagaag	gtcgtcaaat	tcataccgat	60
aaccagaagt	tcgagccctc	catccccatc	tcatagtcca	tttcacgggc	cttccccaat	120
cttcaagaac	tccatagcag	agctcaaggt	atcatcaaga	tcgcgacaat	tgcgttcctc	180
catgtctttc	tcaacacgtc	tcatgaactc	cttgaaactc	tccgcaatac	tctgaaattg	240
tggtgactta	ggaccgaatg	tagtgtatgc	gttgccgaga	ttcgtcatca	tctaaactgc	300
gttagagggg	cagacacgtt	atggctgtat	gtgcgtgact	tgaagactta	cctggatgta	360
gatttcttta	tagtcggtac	gagggctctg	cattttggag	atatgggtat	ggaagggtgct	420
actggagcaa	aatcaagaga	ttttatgggt	gtgggtgcgc	cccttttgat	tccccgcggt	480
tgtcggatct	gataagcaga	ggagaaagtt	gggcacaaag	tttaggcgtc	agtcgtcaac	540
gtcacacaaa	aagcgggtct	tcgatgtgtg	acatggggcan	atttgcntat	agtttgaatg	600
tcntgaatat	gcntgtcctt	gantggggaa	aaa			633

<210> 4188

<211> 286

<212> DNA

<213> *Aspergillus niger*

<400> 4188

gataaattca	acatgatacc	actttttcat	ataccttggg	agggttgttt	cggcgttttc	60
gggagcgaaa	gtcttcaaca	ctacctctc	cgggcttagg	accgatagga	acttcgagtc	120
ttatctgcgg	gggatgcgtg	ccatccggcg	tgggtgtgcg	tgccctgac	gcactggggg	180

tcgaatgatg gctccgatag gagtgatata gatggcttga gagtgacatc tcgccataact	240
gctaatactaa acattagcac atagattaat gaatgcatat gcatgg	286

<210> 4189
 <211> 355
 <212> DNA
 <213> *Aspergillus niger*

<400> 4189	
ggcgaacgtc attgggaaag agaccccaat tggggctaca atacggatcg gcgtgacatc	60
aataatggtg actcggccta ccaacctgtg agaagagact attcgcgaga aaacctgtca	120
agacgaagga gccgtagtcc cggctccagg gaagggtgtc gtgatgcagc taggaaattc	180
catcgcatg gagttggatt cgcctgtgct accacgaccc tgcaatcgct actaatgctg	240
cgatattttg tcattgactg gtgcgagaac aagcacaccg caggtcattg aaatagagac	300
atgtgggctt agaattagta gcacacataa taatcaacta tttggcatca aatct	355

<210> 4190
 <211> 922
 <212> DNA
 <213> *Aspergillus niger*

<400> 4190	
gaaacgggtca ccgtgcctga ccagggccaa tcgcaaccag tcaacgaggt ccccccatc	60
gtgagcaact ctgacacatc ccggcgcaac tatcattcga ccgacgggtc acggaacagg	120
gactcaggat caacaaacaa caacacgggtc tcacgggagc ccggtcagca gaactcccag	180
tgtgattcgg aagaaccgcg cggctcgtgg tatagccggc tggcggagaa atatggaagt	240
ttggaattag agaataaagg cagcgtggcc cgggaccatc ttgctttgga acgaaccttt	300
ctggcatggc tgcggacatc gctagccttt gcgtcgattg gcattgcggg aaccaatta	360
ttccgtctga atagtgtgtg gtccaacgca aacagcgcca acatgtcggc tcatatgtct	420
ccccctttgt catccgctgc gtatgatccc actatagggg taacatctgc ctcacacgg	480
cttcggagca tcgtaagcc gttagggact actttcawtg gagttgcaat tttgatccta	540
ctggttggat ttcacgccta ctttgagagt cagtattgga taatccgggg caagtttcca	600
gctagtcgtg gtagtgttgc tttgacagca tttgtggctg ctgctttgat tgttactgct	660
tttgttgtga tccttgctat ttcgcccggc gcggtcgaag tgtaagggat gggttcggga	720
gaagcaaggg gttccacgtg ttctataccg tttttcttga tggttttgta tgtattgaag	780
cgagcgaaac aaggtgtttg gagatgttgt gttgcttata ggtacatagc agtaattagg	840
tgatgacat gaatgggtcaa gatgaacaaa agagctactc cactatagca atccaaatac	900
cttaccatgg tcaaaaaaaaa aa	922

<210> 4191
 <211> 626
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 4191	
aagagcgcca ttgagaaggc cgctaaggag tccaaggctc atcatcgctt cattctggcc	60
gtggttctgc aggaatccaa gggctgtgtc cgggtcccga ctaccgcaa cgggtgtggc	120
aacctggcc tcatgcagag tcaccagggt accggtactt gcgctggaaa gagcacctgc	180
tctgactcgg agattgtcca gatgatccgc gatggagcta tcggaacttc cgcagtgtg	240
gtgatggcct cgcttctctc ctggacctgg ccggctcgac tgggtgttga gcctactacc	300
gtgccgncag actgtacaac tctggcataa actcccttaa gtccacacca acctggacct	360
tgcttcggc gccacttctt gctacgctct gatatcgcca accgnnttac tggctggacg	420
acggttactc aagtgnctta actggnaagc ttttcattcc acgcatatgg gattgaaagg	480
atgctttcca ncgtggcata agcatgcttg acacttggaa tngnattttt nccttnattc	540
ttctttctct tgaattgatg cataaagnag ccaacgntnt aggcagatgt tgccccta	600

nnaagtttcc tgcttntgn tctgga

626

<210> 4192

<211> 200

<212> DNA

<213> *Aspergillus niger*

<400> 4192

cttttttttt	tttttttgaa	catctgattc	atccatcaat	tcagagctaa	ttttctggaa	60
aatgctaact	ccgatccatc	cagccctttt	aacttaacaa	cacaacgtaa	ctattcgctt	120
ttgtgtgtat	gatttcttta	cttgccgata	gcacgctggt	agaaagccag	ctcctcacc	180
tccaggatgt	atccgtccac					200

<210> 4193

<211> 386

<212> DNA

<213> *Aspergillus niger*

<400> 4193

gccgaagatg	tcgttgagaa	gctaggacag	agcggcatgc	tgagcctgga	agaaggcatt	60
gttgacgcga	ccacagagga	aggaaggaag	aagttggaag	aaattgaggc	agagaataag	120
agggaaagag	aggaacagga	agtaggtgaa	cggggagggtg	atatcaccga	gcttgattga	180
ggatatgaaaa	ctagtaatgc	atgttttgga	tggtggaaat	attgtgttcg	tcaacagcga	240
ctgttttaaat	ggttgatttg	gatgaattca	gattgtccat	attgcatcta	agccccgacc	300
tccgagtagg	agggttacaa	tgtgtgaata	catgctccaa	gtaaaatgta	cttttagcga	360
ataccaactc	ttctgatggt	ttgcat				386

<210> 4194

<211> 449

<212> DNA

<213> *Aspergillus niger*

<400> 4194

caacgttgac	gatatggca	tcgcgatctg	cgcatatag	gaaggtagca	tgtgatgaga	60
agcgttttat	gatttgagcc	ggcgaaggc	gtgcggatta	ccatgtcaat	tggcatggac	120
cacgaatgat	tactgtacat	taagccgagg	aggacttgct	atttctagt	cttgacatgt	180
tgtgtgtttc	tttcttcttc	ttttttcccc	cttttcaactg	gtcgggtattc	ttctggcgcg	240
gcgttggtatg	gagcgagcga	taaaaaaaga	gggtttat	gctgagtcgc	cctgggagca	300
aggctctctc	gggggtgatt	tgaagagtga	gaactgccac	ggcctgaaga	agaatagggc	360
tgagggtaac	tggatgtatc	ccatgactgg	tctgaagcac	catctagtct	agctttaata	420
caccaatatt	catctgtaaa	aaaaaaaaa				449

<210> 4195

<211> 431

<212> DNA

<213> *Aspergillus niger*

<400> 4195

aagaagacga	ggaggccgcc	ggcgttaccg	aaacgtcgta	cgaactctat	agccgacgcg	60
attaagcgtc	gccctttgta	ctatgctttg	cgtgcctttt	cagccttact	agcgctctga	120
cacgttccac	ccggccggtg	ttcgctcgtg	ccgtggaata	gccgctcagt	tgtgttttat	180
ctcatccogt	cagggagttg	tatttgattt	ctgggggtgca	tgtacggagt	ttcgggtatg	240
gattaacagc	agtgcctcac	ttgaagcaca	tgacggcttg	tacatgtttt	tggcaagatt	300
ctttgatctg	tgcgaggcaa	cctgctaggg	agcgcgctcg	ccttgatctt	gtctttcttg	360
gatgtccgga	tttaccttcc	tcttttcttt	ctttgacctt	ctcttcttga	accacagtt	420
gttactttcg	c					431

<210> 4196

<211> 552

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(552)

<223> n = A,T,C or G

<400> 4196

gaaaatggtg	tcagttccac	tcgacgcata	tctaccgggg	ccctcgatct	gcaggaagga	60
gaagtccgac	aggttcagtt	cgttgaggat	gatacagtcg	tagtcttggtg	gtcgaacaat	120
aaaggaacct	tttaccttct	cagccttcct	ttccagcctg	caacgacaat	gagacctggc	180
acgcttaccg	agtccatggc	gctttgtccc	gtggaatatc	atgatagcct	gcaggagcct	240
acatcgcccc	accagttac	aaccgcaaca	acggcgcgtg	atcttatgtc	tccagattca	300
tcatttgccg	gtcttatcaa	gcatactttc	attggaacca	aagtgaaagn	caaagccaat	360
nagagttgnt	gtcaatggca	gacgcggtcg	ccggcaatct	gcgtactgta	tggcgatgct	420
atgcgatatg	gagtgttaga	cttagatgcg	gaactggagg	atgaggatga	agaggaagac	480
gaggaagaca	tggaggaact	ggaggaatga	taatacaaga	acaagagacg	ttcatcagct	540
ctaaaaaaaa	aa					552

<210> 4197

<211> 355

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(355)

<223> n = A,T,C or G

<400> 4197

atggagggag	gaagttgccc	atcgacgtgg	gggaggaaac	ggggctcgcc	gtgggtttctg	60
tcccggagaa	tcttgaccct	catgaacaag	aagcagcatt	aatggagccg	ctatcgagc	120
tcttaccaac	tccacaggtg	caattcccgg	aaaataatct	tttgaactag	gaaggcaact	180
acgacgatga	cgttgctagc	attaatccgc	gtttgttacg	actttgctta	tgttatgata	240
ccatttatcc	ggagactatg	tggcaatgta	tacggcatga	angtgaactg	tatgtaataa	300
agcatgtata	taggtgatga	gactatctta	tatgattacc	gacgtgaaa	aaaca	355

<210> 4198

<211> 287

<212> DNA

<213> *Aspergillus niger*

<400> 4198

atcgccatca	tcgttatcat	cgttaccatc	atcctgtaaa	gacagtatta	gctccttgcc	60
gtcctcgccg	ccagtccctg	cattcctgtg	tcttcatagg	actctccgat	cgcacttggt	120
gagttcggat	tgggcacgta	ctcgtgacca	ggccgcaaga	gctcttacca	ctttactctc	180
atcgaccttt	ttatcattat	tcactcacgt	ttaatgcgag	tcagggctgc	tcaacgtcgc	240
tccaaagccc	gggtgggagg	gcaactcgat	tcttcatcga	gggttct		287

<210> 4199

<211> 399

<212> DNA

<213> *Aspergillus niger*

<400> 4199

aggaagtcca	agagcaaagg	tctcatggat	gctagcgctg	acgctggaat	tgatgagggc	60
gaagacgata	ttctgggaag	tactgacact	cggattaagt	tcaccttcag	aggcctagaa	120
gatgaaattg	ggctgattgt	tgacattgtc	ggcggcgag	tcaagagtga	tgaggagggc	180
aacctcgggg	ccggcgctag	aaagtgggag	gaatggatcg	gtcaatgcct	ctgaaccgaa	240
tatttatgta	tgacttgggc	cattgacagt	gctactggcc	ccagagatgg	gatgaaacga	300

tacaagacat ttgttaaaaa tacaactca tacatacaat ccagacagtc catacaagcc	360
ctatgcgccg gcacgatcat cacgagcaaa aaaaaaaaaa	399

<210> 4200
 <211> 623
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 4200		
gtcgggaggg ccctcatctg tgactacgga agcttctgca tctctgcata ctaattggca	60	
ggcggatgtg cgcgtctgtt gagaaatgtc atcatgactc ggttggtgag tgggggagac	120	
ttcccgatgg cacattgagt ggatagtccc cctggagcat ctcccagggt tgacgctgcg	180	
actcaaggct tcagcaccag tgactcgacc atgctgctgg aattcctcct ttttcctgca	240	
cttccccccc acccgagat aagggtgacg gttgtaacgt ttagccccct tgtcagcgcc	300	
gcctcggtctg tcacctcac tagtaggact tgccgcagga ctccccacca aactgggatg	360	
ctacttcaaa cagtgtgac tgagagtttc atgtcctctc actcactgga agatcgcgat	420	
aggataccgc aggtccatct tctttttccc ttgctgcgaa tgttgagac accagatcat	480	
tcgtcccaaa ggagcatgtg ggccttactt ttaacgaatc caatgatcgt caagttttta	540	
gcccccttag cgcagctgcc gaacagaaca acagaaaagt tgnctgctta ttggtagaca	600	
cggntcgtgg cctcactccc ggg	623	

<210> 4201
 <211> 510
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> n = A,T,C or G

<400> 4201		
gtttcacgaa cctcaacaac ttctgcttca cctcttcaact tcatcaaaga cactcgctag	60	
tctaccgatc acctccgcac gatccacttc ttcaatctac aaccgagcac tccgatctcg	120	
attatcactc gctagcaaga tgcgttcttc catcctcttc gtcgctttct cggctctggc	180	
cgctgctcag tctccggtg ctgtgccccca gggtcagccc tccgctgctg tcacctcttc	240	
ccctgtgatc cccactcagg gctctctgct gctggtgctt cagcgtcttc attggatcta	300	
gcggtgttcc ctcttcttcg cgaagtcggc cagcgctctt gcttcaactc accaagaact	360	
caccaagacc tcagcttcga cttttcacct caccagtgc ttttcgtcca aaacgggttc	420	
agttccagtt cagactnttt ggcgctgggg cctntggtac cgtggccgct gnccttccgcg	480	
ggntggtgtg cctngccggt tntgnaatga	510	

<210> 4202
 <211> 289
 <212> DNA
 <213> *Aspergillus niger*

<400> 4202		
gtatagtaaa ggccacacaa aaatctcatt gggatgattt gggatcgggg catttagggc	60	
gaaatactga gtgatctcga tttgggtttt tattcttttt ttttaacttt tttttctgt	120	
ccattttatg tcaattcatg ggcgctgcta ctgcacgtgg aactgcaagt ttgggggtgct	180	
cggatgggat gaagcgtaac tacttttatt actgctatac ttagtatctt ctacttctac	240	
ttctcatctt gcatgaaatg tgattggaga tactatttat tgatctgct	289	

<210> 4203

<211> 468
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 4203
 gcatgcacct cgatcgtgta cgaccgtccg acgtacatga attttcattc atcgggtcaa 60
 cataacagaa atactctgtg ccgtttccta gctcccttac ctcccctatc cttgcagatt 120
 gcttcttcag aaacatggaa ttaagtaggt tgcttataag actcacggag tagcttagct 180
 gtcactgaac cttggggcgc aagaagagga agaacacctt cggagaaaac cggcacggag 240
 attatgcaaa tcccttgctg cgcggaacct cgagcatatc agctactaca gacaacctg 300
 ccattgttga accataatct ccttattcgc cacctnatnt acatcaagtn ttcagaccac 360
 atgagagatt aattgcagcc cataccaagc tganacaggg aagggttga naaatctaata 420
 gctcggaaac gttgggggcaa gccacttggg acttatccag gcgtgtcg 468

<210> 4204
 <211> 328
 <212> DNA
 <213> Aspergillus niger

<400> 4204
 gccggcatca ccagcagcca gggacaacaa agcagagtcg gcgttaatca tattgatatt 60
 tgtgtgtcgc gatggtgctt cttgatgagg tgacgcgacg aggaatgagc ttcaatattt 120
 tcaatggggt ttgtaagata aaccgtctcc gactaataat gtggtggcct actctcattt 180
 tttctcttcc tttctccaac cgccattatt atatttactc ctttcctaata ttccgggagg 240
 tttctgaatg accttattat ttgaatctct ctctttggtt gatgtcctaa acctaaccgc 300
 aatttaccct tgagaagggt tcgggatg 328

<210> 4205
 <211> 620
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 4205
 atagccttct gcttgatatt tcatcacctt catagtctag cattgaaatc acgatggcag 60
 ttatctacgg attgcccacg gtggcttcca cagtagcagc agcgtgtgcg ataattgcta 120
 tcattcttgg agcgtgtgcc tgggtctcgt cagcttcaact ttaccttccc cttcctgaat 180
 gggttccagc catcgccacc atcttccctc ctcttacagc actggctctg taccttgcca 240
 gtcgactcgc ccagcctgca gatgaccgcc agtcgtctag cccttggcga agactccttc 300
 ccgtcatgaa ccacctccaa tctatcataa ccacaatcat tgccaccgtg gccctcgcct 360
 acttgtatccc agagagcatc acaacctgtc gactggaaca ggaatggcag tcatacttcc 420
 gcgcgaaaga cgtcacaact attcgcgcta ttcaggacga atttcgctgt tgtggattcc 480
 ggagtatcca tgaccgagcg tggccgttca aggacaaaac caccggagat gatgcatgtg 540
 aggtgcaagt ttaattacng gacaagctgt ctggtcccgt ggagacagca gcagcagagt 600
 gttcatgga tggtttttgn 620

<210> 4206
 <211> 357
 <212> DNA
 <213> Aspergillus niger

<400> 4206
 cggaaaatga tgagtggcag acacacacga cccacgaact tgaatgcgca catgccgac 60
 aatgacgata acccatgctt gggtacgaac ccccttgcat tgatgatcac gaattatgca 120
 tatagacggc agatgaacca cagcataccc tatcctaact ctagacattg ctagatagct 180
 attattgatt tgggaagatt ctttcttttc ttttttctgg tcgggaagct gtactttgaa 240
 tgtcaggacg ttcattgccat ttacattcac cgaccagtca tttttattac acttctgcct 300
 actttctcta taaatatctt ttatatcttc ttccaataat atatacttat gcatact 357

<210> 4207

<211> 607

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(607)

<223> n = A,T,C or G

<400> 4207
 aaatagtcag cctctcgatc caaagttcga cccagagtta atcaagttac aatccctgga 60
 tacacttgga tcccttggtc ttccggtcca agcatcccat gggctcaaat ctgttcccat 120
 cgtgatgcta cattacttcc tcgtgggagg cttgcacgcc atctcgcaat tacgtcctat 180
 ggacttcaag tggagctttg tactagaggc atgctgtgtc gggctgtggc acctgagcct 240
 ggggtggggg cgcattgtga cggcatttct gcggacgatt gagcttgtct tgcaagctac 300
 caaaccggac ccaaccctgg tgccgccaaag gtgaccgctg tgttgccggt ccttaaaaag 360
 caatctttgg acagcaaccc gatggtactt cttttgtccg ccgactatgt ggtgcatcat 420
 gtcccggttg ctgctgcagg acaatnccgg gccgcanttt cgggccgaag gctagaacag 480
 tgatccgttg atggacaatt cgccatnagc tatgggcggg gaggacggat tntgccgttc 540
 tgaatattna acgtttccga tcancgtana ctgaccgatt tgnaagtttt gaattcagaa 600
 caactgg 607

<210> 4208

<211> 300

<212> DNA

<213> *Aspergillus niger*

<400> 4208
 ggacatctct caggccaaga ttagctatgt acattagcgt caccatttct catctttaac 60
 tgttaccatt tgatgcaagg agtcagtcaa gctctccaat atgatcgaa ttagtatggg 120
 gtttccattg aatgtcgagt cattctatgt tgcccgatag ggttggtcgc gaatagttgt 180
 ggcttagaag tacgttgga gcataggctc atctctggaa agacacaaag agttggtgca 240
 gaactgttaa gctacttaat ccaaaatatg tatctccgaa gaaaaaaaaa aaataaaaaa 300

<210> 4209

<211> 638

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(638)

<223> n = A,T,C or G

<400> 4209
 cccggcggga caacgaggat ggcggacaag aacgaagccc caggcgggtga ttctggcgaa 60
 aatgatatac aaaatccgga gtcgcctggc gtcgctccgg aagaagctgg cgctgctgtc 120
 gaatcggtac acgccccgt ccagtggacc gggcaaatg ccgccgtcga atctggtgcc 180
 agtctccccct gcagtgggaa gccacgccgc cgaaataaga acgttgaccg ttagaagcat 240
 gcaggaccat gctcattttg cccccctcct tttctccatt tttatttcat cctattcttc 300
 ttctatttca tgtcccagct cgtgtgggca ttgctagtgc angcaactgc attccaagct 360

cgtaacctga	cacgcgtg	gggccagctt	cttcacatc	ttcttcttct	tccattctcc	420
atgccagttc	tctctgggg	ttgatatatg	cattgatgca	cgagtgtttt	aagtgtttcc	480
ttatatgggt	ttattataag	ggttgccgtg	atttgctctg	tgtttaaatg	ttcccttggt	540
cctttccatt	ttcctacang	atacgcatgc	tttacaggcc	tggtgggcgg	gtgtttgcaa	600
ttggcggtca	agctggggac	ccgggtacac	aaattgcn			638

<210> 4210

<211> 382

<212> DNA

<213> *Aspergillus niger*

<400> 4210

cgctgccaag	ttcttccgtc	agaagcacg	aaactaaatt	ttctttaatc	attacatttt	60
ttaataaccc	atgattggg	gcgacattct	caacctgtcg	tctcggggaa	gcggaactta	120
gcagttccct	tcccaagttt	ttttgatgag	tttacgatga	tgataccaaa	agttcaacat	180
atggggttag	gtttcattag	atggggtcac	cggagttttc	aacatatgat	aacgatttca	240
acatcggcgt	tcgcataata	catcgacgcc	aagttttctc	ttgcattttg	cgagttatgg	300
gggcgggaat	cggaacgctc	ggtgacgtct	gcaacgccga	gatcaataat	atttcaacaa	360
tgattgtgta	tatcaaaaaa	aa				382

<210> 4211

<211> 313

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(313)

<223> n = A,T,C or G

<400> 4211

acaagccaaa	atctccctgg	tgccctggata	cttcgtctctg	ggacaagcca	agattcngga	60
ggggctcaaa	gggctaagca	ctcttcaactg	catcctactt	tcccctgaac	ttcagtcctc	120
gaggtaatcg	tgcatcgaga	ggacttgcaa	ataggaacgc	aagacgtccg	acattcagaa	180
aacaaccgat	cgcttgggga	acttgaagcc	ggaccaacta	tatgaaatgt	tcccttttgt	240
tatcctcaag	gactctctgat	ctatatatct	tgaatttcat	gtcttctctg	cctctcgaaa	300
aaaaaanaaa	gaa					313

<210> 4212

<211> 437

<212> DNA

<213> *Aspergillus niger*

<400> 4212

atcattttctt	aagtgaagaa	ctacttcaaa	gctatcgata	tggatctcgt	tcagaagtat	60
ggccacctca	agcacgatcg	acgccggagc	tctctgcagc	agcaactcgc	ggaagaggaa	120
cgccaccgga	atcagatggc	tatcaactca	ctgttaggga	gctttggcgg	ttcagcaaac	180
gaccatccag	accgacgatc	cagtgggtgcg	gggaatatgg	cgagcatgat	tgaggagttc	240
aataagcgga	aatcagtgtc	cccggatacc	aatgtcgaac	aaaaagagtg	atggaaccat	300
ctatttttgtt	gggtgatgga	gcagggcggc	tatggttaat	ggagtaatga	ggcttacgac	360
tgtcatttgt	tgaaaacaac	acattatatg	gagttggata	aatccaagaa	ttctatgact	420
actactaaaa	aaaaaaa					437

<210> 4213

<211> 444

<212> DNA

<213> *Aspergillus niger*

<400> 4213

gcgcacccag	agcaagcagg	gtgctaagg	ctctgcccc	aaggctcgctg	ccaagtcgcg	60
------------	------------	-----------	-----------	-------------	------------	----

ttaaaacgga	ttagaggcgg	tactggctgt	tgggactggg	atgaaagtaa	aaggataaga	120
aatgacaaca	ctatgggggg	aatatgttat	ggacataggg	aatttgggag	gttattctaa	180
taaaaaagaa	acccccgagg	agcgtttttc	ttttgcctca	tcaaagattt	ctattctcca	240
aaaacatcaa	acgaatctcc	tttttttgcg	gcgtatgagc	gttgggtaag	gggataagat	300
atcctttttg	ctccttcctc	ggatatgaat	gagtttctta	ttcgttatta	cgccgtttct	360
ttccccctc	ctgcttctcc	cccaagtggg	atgtcttact	tattactacc	caggaattgg	420
aatggatgt	gatatgatta	cttc				444

<210> 4214

<211> 511

<212> DNA

<213> *Aspergillus niger*

<400> 4214

ctcgggactg	cgtccgagcc	attcaagatg	gcacgcacatca	tatcctcgac	gcccttgacg	60
gcgccaggaa	gaagatgac	gggggtgcgcg	gcgatcgacg	gcacacagag	ctgaagtcac	120
agattcgact	ggttggaccg	gtcagtccat	ataacaacaa	ttacagacag	accgatccct	180
ggatttagaa	cgaagggctc	actgtctctc	tccaactttc	atttctcggt	tcgtctcggt	240
tcctttctat	gttcatgata	tcccattcgc	ttcatgggtcc	atgttatcca	attagcctgt	300
ctctattccc	ggtcactctc	tacgtcctat	aactctcgtc	ttgtcctgca	gctctagtca	360
ttaccgtgat	atcccgttgg	catttttcagg	gtctctgctt	ggcggtgggg	atacacctat	420
agatgcttat	ctatagctac	ttcacttttt	gatccattac	attgaggata	ctagcttata	480
atgacccaat	atcaaactct	accatctaca	a			511

<210> 4215

<211> 313

<212> DNA

<213> *Aspergillus niger*

<400> 4215

ggcaagcact	ggatagagt	gacgaagaac	cggacaaaact	cgcgttttta	gaactctgca	60
tccaacccaa	tgatgtaact	gacgacctca	ggcggtccgg	tagaatgatg	gccgatcggg	120
gcgcggaagc	gtcaagagaa	tctcagagtc	ccgacaccga	agaggtggat	gagtagagca	180
taggcattgga	tattgtgatg	gcagatctgg	gaggctttga	ctaggttgct	atgatctgct	240
tggatgcca	tgagctcttt	acatgtctat	cgtataaatg	tattggagat	agaataaaga	300
tgttgtttgc	tac					313

<210> 4216

<211> 341

<212> DNA

<213> *Aspergillus niger*

<400> 4216

tcgccttcaa	gtatgtcttt	gcttcgaagt	cgctgacaac	ctctggggca	ctggcgcggc	60
taagtagtcc	cggattgacg	gccgcgggtgc	cggtgctggg	gatgggtggg	ttcggactgt	120
ttatgatgtg	atgtgatgat	atattttgat	gttgttttgc	tccatgatca	tttggcacat	180
acctaccata	cataccetta	cactctcctt	atacccatgt	tccgtttggc	tgtgatccaa	240
cgatgatctg	ttttgcaatg	aagttgcatg	tttaatgtcc	attgggtgta	tggtaatattg	300
gaactcatta	cataactata	tatcaaatca	atttcccaaa	t		341

<210> 4217

<211> 614

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(614)

<223> n = A,T,C or G

```

<400> 4217
cacactcaat gctcaaccga aaccttgaca ggttgtgaga aacagtcgtc atcagatgtc      60
tcaaggggatg ctgaaagctt ggactcgagc cacacgagac aacatgctag cgaagaggac      120
cttgaccacg agttgaccga tagctttgtg actcagatct acaattatct gtccctgggc      180
tatccctctg ttgctcgcta ctatgatcat gaactcagta tcatttctgg aatctctgta      240
gcagatctga gacgtgatga cttaaagaca gatgcgaagg gttacgtcag tgttatggat      300
gggggtccga cggatcggaa ggtagagaaa ggcctatgta tgcggtggat cgcactgcgc      360
ttatatatac aagagtgggc taggaaacgg cccaaggtgg ctgacgacgg tattcatgga      420
acatggggag tctgtgaacg aaagggcagc tgggccatct gatacagcta tattatgaat      480
gaaacggagt gtcctaaatc atggcatata gccagttgt gtatgaaatc aagatgcaag      540
atctgtgcat gggaagttac tgnngtccta gactagatct ggctcaaatc tgctggccac      600
attgnaaaaa aaaa

```

```

<210> 4218
<211> 382
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

```

```

<400> 4218
ggaacgtccg ctacgagctc ctcgagaagg cgactagcaa tggctctccc ggtgcgaacc      60
agatccagac tgagctcacc agccacaaga ctttcatgga taccctagga cgcacggcgc      120
tgactttgac cgtggaggag ttgactgatg aggcccgatg ctgcgagata gtggtcactt      180
acgactactc tctgtgggat ggattgcgca agcccgtagc catcacggcg gggctgttca      240
ccgtgtttgt tgccgcgtgg gcgattggaa atattgacgt gagtattaag aagcggtaga      300
tggagggttgn atcatattgg ttcagttatc cagccagaca gacagacaga attcaatagt      360
agctgtttgta gaaaaaaaaa aa

```

```

<210> 4219
<211> 345
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

```

```

<400> 4219
cgaagcaaga caaagagnca agctccgctc aagtacggat actaagatac ctnagtttgc      60
gcggctgggt tgcttttgtt ttgtgatggg gatgggggatg ggatcgcgaa acggttctct      120
gcgaagaaaa tggacagcaa gccgatcgac ctttctctca ctgtccctac cttttcatga      180
ataaccacaa ttcttacggt gtgacgcaca tggaggctgg agagatcgat tctttctaaa      240
aaaaaaatac aggagtcact tgggatgaaa ggggtgttcaa aatagctgac ccgttatattc      300
gcgccgtggc ggtttaatcc aagaatttct tttcaaaaaa aaaaa

```

```

<210> 4220
<211> 352
<212> DNA
<213> Aspergillus niger

```

```

<400> 4220
atcgagacgt tgcttcttag cttcatagcg gttcaattaa cttcacttct ctagacgaga      60
caaacacaca tcccaaatct atcaaaatgg ccggtgctca ccaagcttgc ccctcctgcg      120
gcgctgccat ccctggcgag actaagactt gtggatcttg cggaaagacc tgccctgttt      180
aaactcgctt cgcttcgatt cggagatgat atctggcgtt tgggggttgt gtgcgcgagg      240

```

atgtgataag taggcgaagg gaggggatgt gattatataa cgtggtgatg agtgatgacs	300
acsatgatga tgaatataaa tgaaatgatc gaatgagagt gtaaaaaaaaa aa	352

<210> 4221

<211> 357

<212> DNA

<213> *Aspergillus niger*

<400> 4221

caacgggttc ttttgaccac caagtgcccg ggctgtgcaa acgtcacagg ggggtggtgca	60
attgccttcg taatgtcttg ccacgtcatc actgctgac caagggggccg tgcgttcaaa	120
gtatccatag tccatgtctg ctgacgcgtc gtctatgcgc gtccatttgc tgtaaagtgc	180
gtttcactta gagtggattc cgacgatcgt ccggccggtg agcaactttg agtaatccag	240
tggggccgat caaccagcac acaatagcca gctgagcgtg ttcgttgtac cggccagtac	300
caagcagtgc accttaatcg cacatcccg aacgacgcgtg gtttttataa aaaaaaa	357

<210> 4222

<211> 301

<212> DNA

<213> *Aspergillus niger*

<400> 4222

gacggttctc cttctctata aaccgactgc tttctttctg ttttatcttt acgaattccc	60
ttgcgactac cgtgaatgac tgaaatttcg acttctgctt cgttcggccg gccgggtttt	120
ggatgaagaa ttattgactc gcttttccta cattttcttc tcattgctat tatcgagatc	180
gctttgcttg ttacacatac ccggcgcgga tgaaattctt macctgatac caacgctgta	240
ttccagtcta catagctctt cagtgggttac gttacgaaga attcatacag actttggctt	300
c	301

<210> 4223

<211> 409

<212> DNA

<213> *Aspergillus niger*

<400> 4223

ctacgttaag accgatatac tagcttataa tgacatgtaa tgccaaacag tcgaattcac	60
acttactttt accctcatat ctggatgtcc tctactattc ctacatctac accctcaagt	120
tttgatttct ataccatctt gcactgatat catgtggagt tcgtcgggta tattttcaag	180
tgtgattgca ggtcagtcac cgggatcata tcatgttggt tggtcgccctc ctgtctctac	240
ttcgtctagt gttatcgccg ttccttctcc ccaccttctc ttattcacc ccatcacgct	300
aaaatccttt gaggtcagca ccaatatatg ttgttggtga atgactgttt catattaagg	360
tcttttagatt atatagtaga agcctatatt ctcgggcttt catgcaagc	409

<210> 4224

<211> 296

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 4224

tcccgataaa atttgctttt ggttcacaac ttcggncaaa taactcctct ctactgtata	60
tctcactcct cggacagacg gttacacgag actttgcctg cgggatggga gcaatggaat	120
caggagatga tgcaattctt agaggactgt gcgcaggcca gtccggcggt ggcgaaggat	180
ttggagttgt tgcgggttact ctaattgtaa taagtatgtg tgtggatggt cttcatgtat	240
gtatgtatgt gtggatgaat gaattcagca aacaacattc gagtcaatat gccatg	296

<210> 4225
 <211> 396
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 4225
 cgcgatcac tctatagtct ttctttacat gtacctcaca tctacgtacc tccaatcagc 60
 tcttttctag aaatgactgc cccacacccc aagtcggcgc tcgcatgat gccgacgccc 120
 aatatccctg cgctccgaggc tgcggccac tgccagagtg tcgcaataat cgatgctcca 180
 ctgcaagagg tctgggatac tttaatggac acctctacct ggccatcatg gaacagattc 240
 gtccctgccg tgactatccg agagcagccc ggatccgatg ggggcgatct ctcccgtcc 300
 tncaggctgg gacgaagatg acttatcacg tgaacatgaa gcgacagctc gtccagccac 360
 agcgcgcaca ggcaacaat gatactcatt ggtcgt 396

<210> 4226
 <211> 360
 <212> DNA
 <213> *Aspergillus niger*

<400> 4226
 ttttactttc gctgcagaga gttgtctgct gacaccgaac cttgcagaac ccatgcaata 60
 attaacataa cattgcatac atacaagact ctatttcgcc gtgctataga tctgggctga 120
 cgcgctgcgc aggtatgtca tctggcagca gaagcttggt tgcattgct tttggactgt 180
 gatgctgtga ttggatattg tgcgtatggg tgcagaggac acggctctta cagactttgc 240
 tgggaggagg ggtctattca atccattcaa ctgtagaact ctcagggcat atgtcgcaat 300
 gcaaagcctt attctgacag catccatgaa tatcacatgc gttcgttcaa aaaaaaaaaa 360

<210> 4227
 <211> 136
 <212> DNA
 <213> *Aspergillus niger*

<400> 4227
 gtgacggagt gacttggtct tctctcttct caatactagg cagcgacttg ttgtcactct 60
 ttttctcctt tcacatcccc gtataaaata aaactcacta atttttttta gaatcaaaat 120
 taattattag caattc 136

<210> 4228
 <211> 433
 <212> DNA
 <213> *Aspergillus niger*

<400> 4228
 tgctccctcg acacagcgaa ttgcgagcac tacacgtggt tctatgactg ggtgttgaat 60
 acagggttgt cggatgattt gagggtccat gtgatggagt atacatggca tattattttt 120
 ggaaaggatc cgggtctactg ccccgacgcc tatcagtgtc accaggatgt ctacggcaat 180
 ccttattttc ggtgatcccg tctgtaaaga ataccctct tgcggctttt attttatttt 240
 ctacattgta atctttttat ttcgatttcg atttggctcc ggatctgacg actcacgtgc 300
 gtaactttgg ttgcttctgc tatgctatgc tttttttgga tctogagggt ttagcctgta 360
 catgattggg aatttttggt gaaaaagtcg tcacgttgag caatatacat tawgtggaat 420
 tatcattctc ttt 433

<210> 4229
 <211> 573
 <212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(573)

<223> n = A,T,C or G

<400> 4229

```
cttcaactgg ttcaagtctt ccaaggagga atcctccgct acccagcagc cctcctggga      60
cgccaacacc atgaccatgc agcagccttc tagccccgag gctccttcca ctgagcgcgt      120
tgttacgcag cagcctaact cccaggaaga aatgaagatg ggcctgcgtg gtgggtgggtgc      180
cggtgatgtg tgctgcggag tttgcgccgg tctcctttgc ttcgagtgcg gccaagagtg      240
ctgctaaaca ccttcccttc cctctcatac atacgttcga ctactgtctc cgtatcttga      300
cgaacaacaa agataaaaga agaataccct cttaaagaaa acggacatgt gccatctacg      360
agacgagcta tgaaatgtgg acccgatga agtggattag atttttgggt cgatgattcc      420
atggatggaa tgatggatgg tgtttcagtt gattttggat ttgccttgcg agatcgctta      480
taccgggtgt atttatccca tctacgattt ctctaatttc gcttgggtgct ttgaatgaat      540
tgagttaaga tgaatgcnta aaaaaaaaaa aaa                               573
```

<210> 4230

<211> 458

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 4230

```
nnagtactgg tcnattctct canctttgtc tctatatattg cggtttgaga ttcccgccttg      60
atatgttggt gttcttcctt gatgactttt gtgtttcttt acccctaacg agtttcctgt      120
taccttacga ttaattcaac ccctgacgac gcacgtcccg accctaatat cgagacattc      180
tcctgttggt gaaggaattg gaatcctaca cgagcgggtga aaaatgttcg cgatccaagg      240
agacatagcc gggtaaagg ggaacttact ctattgtcga actgattaat gtattactat      300
accacctgcg aggaggatgg ggacagagag aaggggagag aaggagagag agagtatcta      360
taattgatgc attccttgag ttcgtctcgt gctcgtgggt tgaatccgtg tgttttggga      420
taagagtang tacttaatgg acttgtaatg anctgtgc                               458
```

<210> 4231

<211> 404

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(404)

<223> n = A,T,C or G

<400> 4231

```
gaacgaatac aacgggttct tttgaccacc aagtgcccg gtaacaccat tcattgagtt      60
gactacagag aactatctaa ccatgggtcc tccccccct ctttatacct ttcagttctg      120
actatctaag gctgtgcaaa cgtcacaggg ggtgggtgcaa ttgccttcgt aatgtcttgc      180
cagctcatca ctgctgatcc aaggggccgt gcgttcaaag tatccatagt ccatgtctgc      240
tgacgcgtcg tctatgcgag tccatttgct gtaaattgtcg tttcacttag agtggattcc      300
gacgatcgtn cggccgttga gcaactttga gtaatccagt gggcccgatc aaccagcaca      360
caatagccag ctgagcgtgt cgaaaaaaaa annttatttt tctt                               404
```

<210> 4232

<211> 624

<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

```
<400> 4232
tgagagtctc tcagagttgt ctgagcgatt ctcatttacc tatcaaccca gcatttactg      60
aaagcgccat tggcgtccat atgacaggaa gggagtgttg agccattgca ggacgtgcca      120
cttgttcata gtagtcaccc atgcctctaa agtcataagg gaccgaacag tgcaaccacct      180
gogaatttcc actgtacagt tagttctttt gaagcgttgc tctacggagt attcagcggg      240
catcacggcg aattcggagt tggatgattt cgggggttgc ttttctttcg tctttctatt      300
atctttgggt tgatctacta cagcgtgatc atcccccaa aagccctcat gcaggttttc      360
actactgcag ttgcggttac agtctcggga acccatatgc taccagagca gtggggatat      420
ttctggacat ggcgttttgt ttttctgttt tcttgactgc ttctacctan ctacctancc      480
actaacgact tacgaccggc tgggataatg tgacnttttg accttgcgcc cgttccataa      540
tgtacactgg gtttggttaat aataatccta agcagcaaac tgttattaat cctgaaangg      600
atgacctaat ttgattcggg cgcc                                         624
```

<210> 4233
<211> 644
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

```
<400> 4233
gcctgtttatc tcccgaactaa tctcgatcgt cttccgcgtc gcgcaaattg tttgcgggtgc      60
ggtcgtcgcc ggtatcattg gtcactacct tgcccaatac ancggtgacg catggcctga      120
agcccgctgg atntacaccg aagtctgcgc cgggttatca atcctccttg gnetgatatg      180
gntcanacca ntttctctcg gattttttctc ctggccantt gacgtcatca nctcccttgc      240
atggnttgcc gcaatcggtg tccttggtcaa cgccaatcac aagttgaact gcggnantat      300
ctggcactgg ggtggtctcc aacgcaacaa tacttgcaat cnctgggaag gccctgaaag      360
cgttcaacct caactccggt aatgtcctgg cnttgctccg gcgccttggtg ggtccttttg      420
gtcactttcc gtgttaagga aggaaagaac tggcccctaa ctaatggtcg cctcgcttct      480
tcggtcgctc cgccgtgtaa acattgaaaa caattcncaa gtttaataac tgggtcaattg      540
cacatggaca acgaaatgct tcattaaact gagtctcgga natacaacca aggtattctg      600
cgacaaggaa actttgcnat ccnaacgcnc tttaacgtga aacg                                         644
```

<210> 4234
<211> 381
<212> DNA
<213> *Aspergillus niger*

```
<400> 4234
cggtcagtgt gtaggacgtt acttctcttc atgccaacat gaaaccagtt tattgtagtt      60
cagcagggat ggccgtgtca aagcgggtgt catgtggtat tccccacatt gtcgaaacgt      120
accgccattg tgcaacaact ccttgagat atgagagctg gacttttacc gtttctctga      180
acttgatgtc ttgtgtacta agcattttat gtttggaag aaacagcttt taaggtcaga      240
gagcaggtga tgatgggggt ggaccatctc gggtaaatta ggtggtatcg gcatatagta      300
atcctcctaa tacctctccc ctctgtcag gcagcatggc ctcggccgag cactagctgc      360
gttggcaccc cgtgcaaatt t                                         381
```

<210> 4235
<211> 462

<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 4235
ctcaccaggt ccagacaaaa taaggattga cagattgaga gctcttttctt gatcttttgg 60
atggtggtgc atggccgttc ttagttggtg gaggatattg tctgcttaat tgcgataacg 120
aacgagacct cggcccttaa atagcccgtt cgcatttgc gggccgctgg cttcttaggg 180
ggactatcgg ctcaagccga tggaaagtgcg cggcaataac aggtctgtga tgccttaga 240
tggtctgggc cgcacgcgcg ctacactgac agggccagcg agtacatcac cttggccgag 300
aggtctgggt aatcttgtta aacctgtcgc tgctggggat agagcattgc aattattgct 360
cttcaacgag gaatgcctag tangcacgag tcatcagctc gtgccgatta cgtccctgcc 420
ctttgtacac accttatgat ttgtttttcc taataaaaaa aa 462

<210> 4236
<211> 544
<212> DNA
<213> Aspergillus niger

<400> 4236
cttctcccag ttttcccatc ttttttcgtg gtgtatcaca cagccgctca acatggattc 60
tccatcatca gttagtctca acatccagga tgccgtacat catccatcct ctccaaacaa 120
cttcaaatac cgcttttcga aacacctgga gctatggaaa gctggcctag ctgcaaagga 180
gcactgggat gatgaataca actttcagcc tggacgttat gctggacagg gccgctagat 240
ccctatgggt tctgacctca tccacgctac cgtatgctag gcatatggat acatagcgaa 300
catcctccca ccacacacga tctccctcta catcacgtct ctccagaagc caccgaaatt 360
tccacaacca caccgagggg tgttcacgat accacacgag tttctttcat gtcacaagcg 420
ccttgtctta tatccatcga tttccttctt agaatagaat ataccacctt cgcgctctaa 480
taccattctt tacctgtgaa ataatctcgc aatggaatct actttctctt actaaaaaaa 540
aaaa 544

<210> 4237
<211> 221
<212> DNA
<213> Aspergillus niger

<400> 4237
gcttcaacgt cctccgtgtc ctgccccgta ccggcaaggc cgtcaaggct ttctccaagt 60
tctaagcgtc tcgatgagga aggggtgtgt gtgcgcgagga cgaacctagg gcagcggcgt 120
gactggatat aaacggatta gtttctaggg ttgggattgt ttcacgattt catgtcccag 180
gtacccttgt ggaaggaata tccaatgaaa aaattacttt g 221

<210> 4238
<211> 187
<212> DNA
<213> Aspergillus niger

<400> 4238
ggatggcctt ggagtaggta gccatacaca cccaccgcga ttatcctgta ccctttttgg 60
cctcttgtct cttatcttag tctagctcag ctagtcactt ccgtgtagca ttgacctcat 120
taaatTTTTCC tatctttggt tgtgtattca aatataacga aatcaatagt actgcctaac 180
attacac 187

<210> 4239
<211> 521
<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(521)

<223> n = A,T,C or G

<400> 4239

gcgatagctt	gctcagcgtg	gaaactgcgg	aaagacgaaa	aatggcaacg	tcagcatgtc	60
atgcatgata	aacagcgttc	cctgcggatc	gggcaaaaaa	gactctcagc	gtaagccggg	120
ctggccgagg	cagagtatgc	ccggcgctgc	gtggcagcag	cattgcgaag	ggcagcgacg	180
gtgttacggc	ggacggcctg	catggttggt	tgagggaagg	gaagaaaccc	ggtaagggga	240
gatcggaaaa	gaggggagag	gtgtgaaagt	gaagcactac	gaaggtgcaa	gagggttcgt	300
ggttgaagat	agagaagaga	gaagagagta	gccgtttcaa	acgcgccgga	cagattcgct	360
ttggggaatt	tccggacaaa	gctttaagcg	gattccgagt	tgtcacgggc	ggtcggttgc	420
ctccctcggc	ctcgctgctc	tttttttcct	gttgccgttg	tgctgttccg	ccgcatctnc	480
cccacattaa	cttagctcta	cgcttctttt	ttcggtaaaa	a		521

<210> 4240

<211> 457

<212> DNA

<213> Aspergillus niger

<400> 4240

cggcagtccg	aggggggacgc	ttcccagtcg	agcaccagct	gtacctgatg	gtgatccgca	60
ggcgtgcctc	ctggaatgtg	gcgaggagtg	tgccaggggt	ggccagtgtt	gccccaaagca	120
atcgccgtga	ggtgattcga	taccaattct	acctccccta	tgattctttt	attctttacac	180
cctccttaca	acctcaccat	attaattttc	cttttctgtt	caacataccc	cctttttcata	240
ttactggtac	ctatgtgact	ggactggccg	ttgttgatgt	tgcgtccgag	acaaaacttg	300
tgcattgttg	gtgaacttct	ccgatggctg	catgtgatga	gacttgtcac	tggcaagtgt	360
aattacattc	tttaaaacaa	gacgttctta	ttcttcttat	gtattcttag	caatatcatt	420
gcatgtgatc	tgggctctat	cttctgcaaa	aaaaaaa			457

<210> 4241

<211> 423

<212> DNA

<213> Aspergillus niger

<400> 4241

ctggaaccgg	cacatcatgt	ggactactta	ctgacttgca	tggcaaataa	gaactgaatt	60
ccggttgagg	tattttactg	acgctagggg	ctatacttga	cagactgatt	gacatctctg	120
aagtgattga	tttgatcggg	gttgctccg	gcaagaagta	tgtggtatgt	gtgtatgtat	180
gtctgtagcg	acttcttggt	ggtagtagcc	ttgctgctac	agatttcttt	tcaatatctt	240
tagatagaga	tattcgttca	ttcggagtaa	catggtatat	aatctaccct	gcagaagcca	300
aggaaatcag	atatcttggt	acaaagtata	aagtcccgt	tacggagatg	ggcggggccg	360
tatgtcaaag	gcttaaaatg	atcaaagtac	ttactcacag	tcagatgtat	atactaatta	420
att						423

<210> 4242

<211> 595

<212> DNA

<213> Aspergillus niger

<400> 4242

gcactacca	ttaatatgtg	gtcttttact	actcgcgtgc	cctgggggtcg	ctcagtagcg	60
ccaaataaag	ctcatcgga	cccaatgcca	gaggtctggg	taaagtcgag	ttttgagtta	120
aaaccggggg	agaaaagcca	acaccccgca	acctcgacac	cgcaagggca	cctggtggct	180
aattcagtac	ttcatttgaa	tgtcctgtgc	tggcaaagca	ctggcgtcaa	cgatggcgga	240
cagacaacca	cctttccttg	gatcggagag	gggttggtgc	aattttaaca	gacctcgtct	300
cgccagttca	cggggaagct	gctgcctatt	cgaggtaagc	agtatatcat	ctgcatcatc	360

tgccacotac	ttgccgatga	cttttcttct	accatgtttc	gtgacctttc	cgtggacgtt	420
gtcctctcct	ccctattggt	gtctgactcg	tgtcttttct	tcaattttta	gcccgcacga	480
acattgaaag	ctgaagaatc	gaaatgaaaa	aacggtccgg	aaacgcaa	gagcatcgta	540
ctttcgcgac	tatccggtat	caaaaattga	aagttgacga	ctcgaaaaaa	aaaaa	595

<210> 4243

<211> 364

<212> DNA

<213> *Aspergillus niger*

<400> 4243

cctacttaaa	cccaatgaaa	caccaccacc	aaccctgcat	cgtccatgaa	ccagacagag	60
caagggagcc	agaaacccga	ctcggagtat	aagtcgatgag	gctacacaga	tacttacttc	120
tacctaccac	ctacctcctg	cttctgcctc	acacatcccc	accccccta	caccgcactt	180
cattatccga	acctatcgta	acctcccaac	atgcaagaca	ggtttgaaat	aacctaggca	240
atcgggcata	tttcgtggtc	ctgcaatcac	aaacatacat	gcagcagtag	ttagactacc	300
tacataacta	cttgctgcct	tgagagtaaa	tactatagtc	ttacttaatt	aatgcagctc	360
gctt						364

<210> 4244

<211> 339

<212> DNA

<213> *Aspergillus niger*

<400> 4244

cttggcgacc	acacttattt	gacctggaac	aatgagcagg	agagctcggc	tgtggcaacc	60
gggcgggatg	gcagatttgg	ctctcatgct	acttaagaag	cataccttta	ctttcccttg	120
ctcttcttag	tctacggaca	taatttacac	agtggattga	tacgagcgct	ttgtagggtg	180
cgttcctgaa	gaggatctga	taccactgg	ttttccagct	gggcctatgt	tttcgtgata	240
gtttcggcat	ttctatccat	ctaggaaaat	tttgatggca	cctgctagtc	gatgtgcct	300
tctgatgga	gcgatctcaa	agtgtcaaat	ttctcggcg			339

<210> 4245

<211> 937

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(937)

<223> n = A,T,C or G

<400> 4245

ttgttgcct	aagaagcgct	ctcttagaag	aacatggaca	tctctaatat	caatattatc	60
aggcagattg	cgtgctctga	ttcgtctgca	atattcgagg	cagagctgga	tgacaaaaag	120
tatgcattga	agcttttcca	cgacaacggn	gacctgggtt	ataccgaaaa	tggtcgtgat	180
ttgaacagat	ttcgtgcgca	gttaaattgct	tacaagaagc	ttctggcttc	tggtgcctgt	240
gcacgcgggt	tcgtgccaaa	attctacggc	tacatcaatc	ggatggatcc	cgcagcattt	300
cagcctgctt	tacaatcttt	cgcccagagc	aagctatggc	cgagagcaat	attgctagaa	360
tatttcccaa	atgcagagag	tttgaactgc	gtgaactact	cggacgcgct	ctatccccag	420
gcaattgagg	gcattgcatga	gatacacagg	cgggtgttca	mcatcgagac	atctacccca	480
aaaaycttct	ccttgctcgt	ggaaaccccg	acaggctggg	ctggattgac	tttgatgttg	540
caacgacctt	caccgatttt	gaacctgaac	agctggcccg	ctgcgaccac	gaaattgcgc	600
ttgtgaaggg	atttgcgga	gctctgagag	atgaccaggc	tgagggactc	ccgccgaata	660
caaaattcta	ttaaggggtc	cataggtggg	tatatatygt	gacaatgttt	ggtrgcattt	720
acgcttgctt	tcttgtaaca	gatatcagtc	ggggcgagg	ttcaagcaag	ggccgttttr	780
gtttatttta	ctcctttgta	caacctgaa	tcatcatcta	tattttccaag	agccgttctc	840
gaagccaatt	ggatcctacc	ttagctagac	catttgcgct	gcaatcctcg	tctaaaaata	900
tttccgccaa	aacgcggggc	atgtcaaaaa	aaaaaaa			937

gttgagccgg	ttcattgggg	gatcgtataa	gcctcctact	gattagatgc	attgactgac	360
ggttatgggg	agtgtttgac	ggatttatga	tgtatctatg	gtttttgttt	ggtgtttggg	420
attcgttata	gcgttagatt	atagtcattg	tgaaacagtg	ttcttttgaa	aaaaaaaaaa	480

<210> 4250

<211> 427

<212> DNA

<213> *Aspergillus niger*

<400> 4250

aaaaataatt	gggaaggacc	tctatctgaa	caaaacctgc	tcattccgaat	catttcgacc	60
atgagtgacc	aaaaggctcg	cgagagcttc	gcgtccatcc	tcagctacta	ccgccacaat	120
cgcgagtcgt	tggaaagggt	cccaaactgg	ggtgatgacc	ctgacagtca	gagtatcgtc	180
attggctttc	ttagggacac	accgaccgac	gaacaagtcg	aacaggctaa	ggaggaaacta	240
aaagctttta	tggccataga	ggaaattaag	gaaacgctgt	ctgaaacgga	gaaggatttg	300
ttgacggcgg	cttctctttc	tagccgtgca	aaacgactgc	agaacaagaa	ggacaaataa	360
ggcgataccc	ttgattttaga	tttacatatc	aacgtacatg	ttctgattat	aamaamaaaa	420
aaaaaaa						427

<210> 4251

<211> 139

<212> DNA

<213> *Aspergillus niger*

<400> 4251

agaccttggg	cttcctgtca	gccagtgagc	cgccgctcac	tttactagtg	taatggtcgg	60
atgtgtgcac	agctgacata	ttctgttttg	aattattgac	gtagccgatt	atatgtattc	120
atcttttttt	ttcttctttt					139

<210> 4252

<211> 133

<212> DNA

<213> *Aspergillus niger*

<400> 4252

atgggacaag	tcatacttac	aggaccttga	agatggtggt	tgtactatct	aagaaaggct	60
ttttttgaga	gtactcttaa	cacaagagga	ggagggagga	gggggaagta	gtagataaat	120
aataaacacg	acc					133

<210> 4253

<211> 103

<212> DNA

<213> *Aspergillus niger*

<400> 4253

gcctcacaat	cgaggctcgt	ttgtaggtca	ggccatgcct	cgctgattgg	acgggaaccg	60
taacggtaga	aatagcagca	tgccatcatg	gacggacact	ttc		103

<210> 4254

<211> 549

<212> DNA

<213> *Aspergillus niger*

<400> 4254

caaccagcga	gcaatatgag	ttcatcagtc	gtcagettcc	tttttcgcga	tggctcagtt	60
gattctgttt	ctgtccgcta	caagggacaa	gttatcgata	cgccaagaaa	gttcattggtg	120
gacggctgga	ttgtgatgca	aaatcaaaact	ttcctcgatg	ccacaataga	gcagaggcaa	180
atcgagcata	atgatgccgt	taagcagttt	ctccgggtgg	acgaaggcac	atatcttccg	240
ggccggtttc	gaaagcgcga	aatgaataaa	agcaacagcc	tcttcgtgcc	atccagcggt	300
ttgcccgatc	ttaaactcat	caacgtgttt	cacctcggtg	gtcaaagcaa	ttctacttgg	360

atattcgaat atttcactcc aaacgaacac ttacggaaaa gcgttttgct aagcggaacc	420
gatatcatct gtgttgcggg atggatgaag gactggagaa taccttacat tcaaggacag	480
gccggaattt tggcccgaga tagtatattt gcaacaacga ccgtttgatt gactagggaa	540
aaaaaaaa	549

<210> 4255
 <211> 106
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(106)
 <223> n = A,T,C or G

<400> 4255	
ncanatctcn agctagggtn ctcatgcgat gcnatcttca ctcaagcct gtncattata	60
catcgctga tggatgaaca gactgcatg acngcattgt aatctc	106

<210> 4256
 <211> 567
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 4256	
cttcactact tcctgtcaag tcttccatcg actttcatca caaaaaccct cgtgcaatgt	60
aattccacct gcgtcgccc ctccccgggg tctcgtctca atacttcatt acacacgatg	120
gaagtcatgc aatgcctttg gctggactct ctcaatgatc aggtatctca ggtaaatctt	180
gggctgggac cgggtgtcgt tctatccgt tggttgtgca gcattgctag cattgctgcc	240
tgcacggct ctgggttcgt tctgagatta tacgggttaa ctngatctgg ataataccag	300
cgaaaggatc atgccttccc tcgtttcccc ccacttgatg gaatggctac aattccagtc	360
cacctacca cacttaaa caacatgctt ctccgctgct atctttganc ccaccnggt	420
cccactggca taaagtnac gtgtgtcccn gagggcgttc cgtacttgct tggtncaaac	480
ccagtgtttg acacttngtt ggcaagtga caacttcaan ttcnttccat cctganagta	540
nggttcggt nttgacaaac cttcttc	567

<210> 4257
 <211> 359
 <212> DNA
 <213> Aspergillus niger

<400> 4257	
gtaagcgcaa gggctctcaag gagcaggttc ctggctacga gaactactac gacaagctgt	60
aaaaaccttc catacaagcc gactaaaatt cgaccttggt atggatggaa tcctctgttt	120
atgagattga cgaatgcaat accctgtcta tattgagggg gaggatataa aagaaaaaac	180
agcttaatgt cgtatgtgga ttttcgaccg cttagagaag tagaatcgag ctgtgcacga	240
gcatatgcga tggctttatt tttacgttaa cgaccgcgag ggattttcca tagctccttt	300
cctattccct cgattggaca tgaaaaaat atgatgggtt tcaagttcaa aaaaaaaaa	359

<210> 4258
 <211> 343
 <212> DNA
 <213> Aspergillus niger

<400> 4258

tcggctcgtg	cttctgttcc	tttccttctg	gtttggacag	gagcgcggtc	gttctgagat	60
tatactgtca	aaacttgatc	tagataatac	tagcgaaagg	acatgcgtgg	cactgattgt	120
cccctactat	ttgacctaca	gaagacgaga	gggatctcgc	atccctctct	gttgctgaca	180
gtttccagac	ctttgcaatt	accctcgacc	tgagtgtatt	tgtgccaaaa	tgtctactga	240
caagatcacc	ttctgaccaa	ctgggatgga	ttgggatctc	tattttgatt	tttagaaaca	300
ggtcacagaa	tatatgctaa	atcatgcgtt	caaaaaaaaa	aaa		343

<210> 4259

<211> 118

<212> DNA

<213> *Aspergillus niger*

<400> 4259

tgagatgat	tgattgattg	attgattgat	tgatatctgc	tttgagatat	ggacaaggat	60
gtgaatgtgt	cttgatgccg	ccactagtac	tatgaacaca	gtgacctgta	tatcattt	118

<210> 4260

<211> 150

<212> DNA

<213> *Aspergillus niger*

<400> 4260

agtactgata	gtacttctgc	tgttgaggat	ggaggaggta	ctactactac	taccactgga	60
aatggaagtg	gaggatcatc	gtggtttaag	tggtggtagc	tatctactac	tagtagtagt	120
gagaggaact	ttttgatgtg	tttacgactc				150

<210> 4261

<211> 416

<212> DNA

<213> *Aspergillus niger*

<400> 4261

aactcgcagt	aattgatgct	ttacggctct	cctttcccag	gctcccgcaa	catgataaat	60
tgttagactg	gttggctcag	tacgctgcat	attgtttaga	aaagctccgg	gtacaaggcc	120
catttcatga	tctccttaaa	gagttcccga	ccttgagctc	ccgcatgata	ctgtctctgg	180
gaccagcatc	gactccacca	tggcggacta	cacaacccaa	ataccattt	attcagtact	240
ctgctaaatg	gtcggaggac	aaacatggtc	actagcataa	gcataacagc	tctgctagat	300
tatggatctt	tccatcgctc	tctatttaga	atatgacctt	ctacgatgac	atctcaattt	360
acttgatgtc	gattgggttag	gagaagtgat	cacgctattc	aactcagttt	tacggc	416

<210> 4262

<211> 267

<212> DNA

<213> *Aspergillus niger*

<400> 4262

gggctccaac	catactatcc	gaattaccag	accgctctga	aagctcgcgc	actacgcgat	60
ggtatccagt	cggatgggtg	agtctgttct	agtacacaga	gctgtttatc	ggataggatc	120
atcaaataat	agcgcgggtg	tcacggggaa	tagaagacct	atttgaggtt	tcggagtgcc	180
gacgaatacc	gaagggccgg	gcattgtaaa	ttgctactat	tattccaaat	gtatataaga	240
acttaagcat	ttgcgtctat	tgcgagt				267

<210> 4263

<211> 198

<212> DNA

<213> *Aspergillus niger*

<400> 4263

cggtaatgtc	ctgcggcagt	gattccccga	ccgtcaggac	cagactgaca	tgcagcttga	60
gccattctca	tttcccgccg	tcttgagtgt	tctgttctgc	tatgatactg	cattacctgt	120

ttatcttttt ctgtttgttt tcgatgacta tgcagagtta gstatggcgat taagggaatg	180
gcaaagattt gtacagag	198

<210> 4264

<211> 191

<212> DNA

<213> *Aspergillus niger*

<400> 4264

tttactccga cttttcaatt cgggaagggc taggaagcat gatgtcatga gagctggtcg	60
ggatgaccag aatagcgccg tgctggccaa gggcggtaac atctatgtaa tttagcaata	120
ctgctaccag gcgggcattg ttctccggcc aggccattca gaatggaaac caaaaaaatc	180
ttgggaaatt c	191

<210> 4265

<211> 321

<212> DNA

<213> *Aspergillus niger*

<400> 4265

gttcattctg agccggggcca cttcccggta aagaaatgtg tgcattctacc tggccgtgat	60
gaaagaaagc aagtaccctt gtatctatct ccttttcgac gtctcctttc gcgtgtcata	120
tatctgtaac cccaagagcg ttctggttct gtgactagtt tccattatgc attggtcaat	180
ctccttccct acatgtgggt gtggcccagt cctaattgag cctgttttat tctgtttcgg	240
ataccgttga gttcgtgaga gcgtaagggt acatacaaat agcatgttct gctcccattc	300
gggaagcgta ttagaccacc c	321

<210> 4266

<211> 185

<212> DNA

<213> *Aspergillus niger*

<400> 4266

ctaacttcac cctgtcggat acccttggcg ttctgctttc ggatcaatct cctacacact	60
ctctcaatga atggctagag gaaagccttc acgagatatc cactagcagt tacttgttct	120
ggtggagttg ttattttatac tagctatatg ggctaaagaa acaaattaat gagaatttgc	180
agttt	185

<210> 4267

<211> 299

<212> DNA

<213> *Aspergillus niger*

<400> 4267

ctttggggtc tttcttgtcg gtggctaatt atagagatct gcctgacctt ttttgacagt	60
caagatcgcg caaaaatgcc ttctatcaat cctaacgcac aaatctaaat catgactcat	120
atgttatgca catgatacaa agttgccttt gatgccttcg caccacacag gaatcttcaa	180
gggatcgag tttcgtctgc gaatggccgc gtggagaaag cgaccacacg agattgggag	240
gatactccgg aaccatcaca aaatccagac aaagtagtcg gcgactacgg tttttctat	299

<210> 4268

<211> 483

<212> DNA

<213> *Aspergillus niger*

<400> 4268

ctgggggtgag gagatcgat tgagggatat tttgttgttc cacctccttg atgtgctgaa	60
acaaaaaccg tacagcgact tcatcatgtg tcatgtatct gagacaagct cttgatattt	120
gaaaatgacc agctccaacg acggactgag agagatgcgg gtcacacata atactgctga	180
ggaattttatt gagcagaaaag tcagccactg actggtgtat aaattgagct tcccgatcag	240

cgaaatatca	cgtgaatgat	cgctgatact	tattctttgc	tatctgcttt	tctagtcgta	60
atatgattat	agcacaagca	tataattagg	attcttgtgg	tttgt		105

<210> 4274
 <211> 271
 <212> DNA
 <213> *Aspergillus niger*

<400> 4274						
ccaagatgaa	gaagggcggt	tacgcttggc	agttctcggt	ggtggctctg	tctcgatcag	60
gttaacccgg	gcgatgctga	catgtccccg	cctctcacca	tccattaggg	acaatttgaa	120
ccatccgatt	ggaattgtgt	ttgtgtgtgt	ctactgaatg	atgtgatcca	caactacatg	180
gctgataggt	gataagagtt	ggctgggaca	tgggatgaag	tgtcttcaag	atatctgtag	240
tggttataat	agatcgtgtc	tagtttatgt	g			271

<210> 4275
 <211> 621
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 4275						
gcgcacaaag	cagcattggg	ggaacatgga	aagtcgatag	cgccaccatg	gattgtgcag	60
gatgttagaa	ccaagttgaa	caatctgcat	tcagactcgg	gaaattgcaa	cgcagagcag	120
ccgaatgaca	cggaggggac	cacttcactc	tccatgcccc	cggagcatga	tattcctaata	180
ttgctatctg	gcattggaag	atttggcagc	gtagcttctg	ggcttgggtg	atattcggac	240
atatttgaac	aggccgctcat	ggatgttgac	gcgatcagat	caggttggcc	cacgatgaac	300
ttctaccgga	tgtggtagag	gaatagagga	tatgcttctg	gtcattgcga	gtctctgtac	360
agctgccact	ccattgtcgg	tcgagtgaga	ttatatgcgc	taaccaactg	acgagcaatg	420
gccacaggcc	agacatcgca	caactcgtcc	atactcaatt	cgaaggctaa	cccccgtttc	480
tattcatcga	tcaatattgg	acacgacgat	tttctcgtcg	ctttctaaac	agtcgatagt	540
caagaccatg	gtcggcgctt	tttatcctnc	tggctaggtt	tangtttttg	cgatccagag	600
gcccgagtag	aaagcanatt	g				621

<210> 4276
 <211> 587
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 4276						
gcgcacaaag	attgcaaaaag	gcgttgaatg	gcactttgca	caacgtgaga	agacattcac	60
cagcgacttc	ctggttgtgg	atatgaagaa	ttataacatc	atcctgggaa	gaaaggatat	120
caagagattg	agaatcctca	aatccggacc	tggccttgaa	cggcgtagca	tgatccggtc	180
gtcgtcctgt	gcattgaatc	gaacaatttc	atgtttgcac	atcacgatac	tctaaccat	240
tgtctatgaa	caccaagccc	atcccgccat	tgggagggaa	cacgcatttc	ttataacctat	300
tttatgattg	atggtgatac	cagtaaggac	agctgcggat	attgcatcac	accggtactt	360
ttgggcaagt	gctggctgcc	aactttgcac	ngacncagca	aaaggtttgg	accagttaat	420
gactcgnatt	ttaancgacc	ggatgtattt	gattatgatt	aactacgatg	acatgtccca	480
ttgaggcncn	tggaaagtgt	tgatgatttg	ctttttgaac	ctattacett	ggcggcggtt	540
gtggaaaggg	gttttatctt	gctgggttga	aggcttggaa	caaggca		587

<210> 4277
 <211> 468
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 4277
 ctagggtgtag cgcgtgccat attgtagggc atatacgtac tagatgtcct aatcgagcag 60
 tatcttgaga tagagcgctt ttaagcgttg aattaggtgt tcaaaaagca tcattttgta 120
 tgtaaatcag aatgatgata tactactagc ggaggtggcc gactcgctta cgtggccgac 180
 tcgcttgccg cttacgttac cttgcctgag tcaacctggg caaccgcctc ggaagctaag 240
 acctatttcc tgaatagtgc aggtgtatcg ctgaatgggg gaataacatg ctctcttcat 300
 ttttttgttt gggatttctt ttcttatttt cttttctgcc cttccttaat gttttgcaga 360
 tgtgatatag aggaagtttt gagttacaac ggtatgccag catgaagtan ggcaagtccg 420
 taagttagct acttaaagta ctacttattg ntatcgaaaa aaaaaaaa 468

<210> 4278
 <211> 129
 <212> DNA
 <213> *Aspergillus niger*

<400> 4278
 gacggccttc ggagtggtag attgagtaga tggacaggat ggaacggaac tttttttttt 60
 acccttcttg tcaactcgttg attgactgat ttagatatga tgattttgat ttcttggtta 120
 taccttagc 129

<210> 4279
 <211> 442
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 4279
 ttctcaggag tgaaatccaa cggcttgtag gctagactgg cagtgaattt aagctctgcg 60
 catctttatt agttctttct cgatccatgt acaatctgct cgatatgcga catccatctc 120
 atctgattcc atttcacccat gaagggacct accgtgattc tggcttttca attaatacta 180
 taccactgca ttcagcaccg gcgttctgag gtccatgtac gcctttattc tgtcttttta 240
 cttcgggctt gtggctgaca cgggaattct gtctgattcg aaattatgca ttcagtggac 300
 atctatatct cagaatcatg ttgaaaacgg cgttgatttc ttcactgcga ggtgaaatag 360
 aaccagatta tctatcccat actactcatg cctcagtctc cgaatctcat ccaaatgnca 420
 tagcacagtc aaaaaaaaaa aa 442

<210> 4280
 <211> 312
 <212> DNA
 <213> *Aspergillus niger*

<400> 4280
 cagccctcca gtcgcaagga cagtggtaac tcggctacca tctctggcaa gcaggagggt 60
 ctctctaaca ctaacacgga caaccctgac gtgaacgagc ctggaaagag tgcaaagggt 120
 gagggagaaa ccgagagcgc caaggtgaag gggaccgttt ccccgagcgc ccccaggct 180
 tgattgagat gactgtggat cgtacatgtg aaaagtccac ttgtgtcttt gacgaaggct 240

<211> 206
 <212> DNA
 <213> Aspergillus niger

<400> 4286
 ctgccgagca gggctcttgta ctcgtatagc atactgtttt gagaaattgg gacccttacg 60
 gctcgagcta ctgaagcttc tactcatgct ttgttgatct ttcttctttg tgttgatatt 120
 ccagtcctgt tcttgctctt gagacttgct ccaaaactgt tgcaatgagt tttagatgaa 180
 tcatgtaata tttaccatct cgcccc 206

<210> 4287
 <211> 102
 <212> DNA
 <213> Aspergillus niger

<400> 4287
 cttgtttttt cctcttttct ttccattgac gatgctttac tgccctggcc cactctggca 60
 aaccttgagg aatgaaataa ataatcagtt atgtcaacag at 102

<210> 4288
 <211> 607
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(607)
 <223> n = A,T,C or G

<400> 4288
 ccgactactc ttgtatccag gaggagaaga tcaagtcgaa acaattaaaa gacaaaaaga 60
 agaaaaagta cccgagaagg tcgtgagaac gcatagatta gatggctcaa aacagagaag 120
 agaaaacaaa gacagggttt tcaacttttg gtacttccgg tctcgatgac agcgactgac 180
 tgcagcctgg agcccagcag ttccataatc ttacgacaaa tttccccacc cggatacaga 240
 ctttctgaga tatcacgggt acgttccctt taatgacatg actaagttgg aatcgtctta 300
 ctaagtgtac ttttcttttt ctttttttct tttctttttt tttttttttt attattttac 360
 aatacttcat aggcgtttta ttgtgtgtgt gactgggccc cacaatcact gatgtgcagc 420
 ctatcctcgt ttcttggtgc tttgggtcaaa ggcgtgcctg gtttgtgaca ctgggtctgtt 480
 caattatcct cctcagctt ccggaatgga acgaaaatag atgtttgaga cttttgtcgc 540
 catctgtctg taatttctaa tatgtcntgc attaattgta ttcaatgtga cccaaggggc 600
 tggattc 607

<210> 4289
 <211> 138
 <212> DNA
 <213> Aspergillus niger

<400> 4289
 ccttgggttg tcattttctt atgtattgag catgatacca gctcacctg tcaactgggct 60
 ttgcttttgt cattatctct tagttggcag tgatcagatt tatgattgat gacaatgtca 120
 aaccaattaa tcaaccgc 138

<210> 4290
 <211> 123
 <212> DNA
 <213> Aspergillus niger

<400> 4290
 caaagatcgt cacctctgac agggcgacta agatgaccgc catgctacta taagtacaac 60
 tgggaaatgt tccgctaata taactcgaaa tcaacaccac gcaatcgctc atgctttcaa 120

ctc

123

<210> 4291

<211> 475

<212> DNA

<213> *Aspergillus niger*

<400> 4291

caggaacat	tggcagaagg	atgaggttct	ttatctaagt	cgaggtctta	tccggttggg	60
tcatcggtgt	tgctagatgg	acgaattctc	gggcagcctt	ggacatgcag	ctttcaggct	120
ctttcatgag	tatgaatatc	aaaatcagtc	gggcgaaggc	aaattcagct	cggccgtgca	180
atgctcgatt	tgtttatatc	tcagcaatca	accgtcggta	tgactcgcgg	tgagatctac	240
ttcggattcc	tgacactgcg	attccttgtc	gcgagcgact	atagtacagc	cgatactata	300
tagcttcttg	tcgatatagc	ttgatagtgc	acagcaagga	ataacggcct	tggctgctgg	360
ttggcaatgt	cgatcagatt	acctagcttc	ggacatgatt	agacagacag	cagaggatcc	420
ttggtccaag	ggaaccagga	ccaaaagaaa	agaaagttga	cttaaaaaaa	aaaaa	475

<210> 4292

<211> 437

<212> DNA

<213> *Aspergillus niger*

<400> 4292

cgatccgcat	cgcaacgcag	cctttctcgt	tctagattcc	ctttctattc	ttgctaatat	60
tttgectcga	atcgaagatc	agaccttccc	ccaggtctcg	atctcggctc	gtcttggtgg	120
aagaatgacc	acccgaaaag	aaaattcaaa	agaagaacac	gggacgaagt	gtctgcttcg	180
gataccccc	atgacacgag	ctcgaagcct	cttataacca	aaaaaagatg	atgatgacgg	240
ggatagacca	gcatgggaga	gggttgggaa	gtccggacct	ggcgcaattg	gcgtttcagag	300
ttttgcttct	gcatgactag	gttgtgtttt	atcatcatca	tcattcttct	ttcttcttcc	360
accctcatat	atcattttct	ccttgattat	cctctcacca	tattctctct	acgtgaaaag	420
ataacgcaat	ttcaccg					437

<210> 4293

<211> 423

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(423)

<223> n = A,T,C or G

<400> 4293

cccactacca	gacaagccca	gtggaacagg	acttttccct	tgccaacggt	tatacgcacg	60
ccagcaggcc	atggcattca	aaagattccg	ttctctgcgc	cattgtatat	cactaagcga	120
ttttctcaga	gctcacctta	cgatttgggt	atztatctgc	ggcttttgcc	tttcttttga	180
ctgtttcacc	ccaggagatc	gacgtacttt	ttatggaaat	atatcgctcg	acgaaggtag	240
aagggatatg	gtcaaggagc	gcaagtatga	ctctggcggc	tcgcccacac	ggagtataac	300
cttatgtcaa	tttttgctgg	gtacaactgt	cgtaccgaga	agtccaggcc	attgtcaaaa	360
tagtatgaat	ctgncttttag	tggagctata	ttcatgttgg	atcattgatc	attaaaaaaa	420
aaa						423

<210> 4294

<211> 514

<212> DNA

<213> *Aspergillus niger*

<400> 4294

gtcctcctct	tctgtctcct	gatagagacc	agaggacgca	ctttagaaga	gatcctggct	60
ctcttgcagg	cctcgcttgt	caatcggtgc	gcctaccgta	tccgggtcta	caccccgctac	120

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atcttcacaaa gaatatttct gaggcagcgc gtgaagctcg aaacttttga ggagtctgaa 180
tacggctactc gagcaattcg cctaggatcc atcgatacgg cgccacacctt tcgcagctac 240
agctttgttt gatcctgttg tggaagtcta catgaagcca ctctgcatgc ggaccgtgat 300
tattattatt agtagcgcaa gagttgagtg ccatacggga gcagggctgt ttttaaaaat 360
actaaggcta acggtaaaca tactgtcgtt actgttgacg cctttaatca ccagaccaa 420
cctcggctta actgactaga gcaatggtca gaccttgat attcttcatt taggcgacat 480
actgcatgga agttttgtct gaggcataaaa aaaa 514

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<210> 4295

<211> 415

<212> DNA

<213> *Aspergillus niger*

<400> 4295

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ccgccaccct tcatatccaa gaacaagatc gagaaatctc ttcaagatgt gcatgaaagt 60
caactgctca aactgcaaca aagccacctg gtggggctgc ggcgcgcata tccctccgt 120
tttgactca gttccggaga gtgagcgtcg cacttgctgc cccaagggtg tgcgcgacgg 180
aaaggagtac ccgcctaagg cggagaaatg actctctgcg ggaatcgaat ggtagtatgc 240
catatatggt atatatattgg ttagctgttc tggagtgtgg ccgtggtggt gggtctgatg 300
atgtgatgag atatatattgc gatgtacctg tgttcaaagt atgacatata gctcgtcgtt 360
aatgcgtgct gatattagtc cattgatagt ggtagccagc accaaaaaaaa aaaaa 415

```

<210> 4296

<211> 388

<212> DNA

<213> *Aspergillus niger*

<400> 4296

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gtgccttttag tagtttccaa cgaatctcaa cccatcaggc gcgacgggga ttgcgggcat 60
cgagctgctc gtgcctaaag ataagctgca atcctatgtg gccacttata cgtgcatagt 120
gggagcatcc ccgcgcttgt ccactaccga agcggagttc gagctcagag cgccgggttc 180
cctagatttc tccgggggttc ttgcattcgc ggctgcaact tcggagaatg atgatcaata 240
tctgcgggag aaagggattg gcatttcacg tctgataatc cgatcgaaag ctatcgggga 300
ttttctcttt cctgtatcag attatctgca ttgaggcgct cgtgctaata cgtgtatgta 360
ccaatgcaac ttggaacttg aatcttcg 388

```

<210> 4297

<211> 303

<212> DNA

<213> *Aspergillus niger*

<400> 4297

```

ggagatactc tacctacact ggacggtgat gagaatgatt tgggaaagtt ttggcgcaat 60
tatggaatta tgtttcttct ttctgaatct tccgtttccg attctctctg cttgtcgcgt 120
cttggtcgcg gtcactaccg ggatttgcgt tgcaaaaggc caattgcttt tattgtcaca 180
gctcccacgc acgggggaagt gaccttgggg ggtttttttt caaaggagac gaactgctac 240
aagcgaagcg aaacaaaaaa agaggaagaa aacaaaatac aataaaaagg ctgtactggt 300
agt 303

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<210> 4298

<211> 549

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(549)

<223> n = A,T,C or G

<400> 4298

ctcgcgcgta	agaggatatc	atagggttat	tataacgata	cctttccatt	tctcttttta	60
acattttattt	catttggtgca	aaaatttcttt	tcttctttca	atttccctcg	ccacgcaaca	120
aaaagcatgt	ccccttgata	tctttcnatt	tcttggatat	atgatatgtt	tccaatccat	180
atccgttcct	gtgccaacca	aggagaactc	gtgtgtgggt	tgaagcctgg	ttccgcatct	240
ggcatggcag	gcacacatc	caaccaatac	gcaccctatc	aatgatcacc	tgtctttctc	300
aagaaagaaa	ctgcgcataa	tattgggacg	gatangatca	tacgaagaac	gaaccaacga	360
agcccaaat	ggaaaggagg	aaaagaataa	gatgaaagaa	tgaaagaaaa	gagcaacgaa	420
cggcgtatgg	gagtccgtct	gtctggcttg	aaatggaaaa	taaaaatggg	aaaagagagc	480
agaagaggtg	ctttaacata	cacgcgatna	gcctagaacc	agaagcttgc	anttccgtta	540
aaaaaaaaa						549

<210> 4299

<211> 211

<212> DNA

<213> *Aspergillus niger*

<400> 4299

gaaaaatgga	attagtttag	gggccttaac	tggtgcttct	tattattttt	ctttatgttg	60
tctgaaaaaa	aaccagaact	tctttactac	tttatgcgga	attcttaa	ggaaatgaac	120
gggtttcagt	ttcggggttg	aaatgaatat	gcgcggagtc	gtgtgtgaaa	gatgaaattc	180
tataccaatt	tttaaaacga	acaaaaaaaa	c			211

<210> 4300

<211> 269

<212> DNA

<213> *Aspergillus niger*

<400> 4300

ggccacggca	acggcacctt	ccctttcccc	agcggcgctg	cccggccac	tggtttccag	60
accagcagca	aggttgcttt	cccctctcac	ttccgcccgcg	tctactaaag	ccatgactga	120
attgaatttg	actgcttcg	gtcacgagct	tgacgccacg	cctgtactga	gattcccaat	180
cgtggcgtaa	aaagcacacg	ctggcactgt	acctacgaga	ggatttactg	ttttgcttct	240
ggtacaaact	tacttcaatt	ttttttgac				269

<210> 4301

<211> 165

<212> DNA

<213> *Aspergillus niger*

<400> 4301

cccgaatcat	agacagtc	cagtaacata	tattgcaaca	aagagggcag	gaaaacttga	60
tgtatcactc	tcgggaatag	tactagattc	tttctttcgt	ccgttcttag	tctcacgggt	120
tggcgccttc	tggtcccaa	aagtcttacc	tttattccat	catgt		165

<210> 4302

<211> 113

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(113)

<223> n = A,T,C or G

<400> 4302

naacaatg	canatttg	ggaatatn	gatccctg	nanatcact	g accaagcat	60
gntctgc	gagcatta	acgnggg	gtctagnt	cggtgana	gggtgcg	113

<210> 4303

<211> 397

<212> DNA
<213> Aspergillus niger

<400> 4303
ctccacatca atctcgtctc ctgttataga gtcagaagtt gcgggaatgc cgtctgccgc 60
agttctatgt attatcaaca aggttaaaca ataggcgacg attaatcct tagctgcttc 120
gactctgagc attcctattg ctagttatca gacacaatcc aaaattaaagt atactgcaat 180
ggagttaccc atgtcagagg ctagagaggg cgaacttcag cgattatgtc atatcggcgg 240
aagggttatg tattagcctc ttgttatgga tgcatttttg catgggtata cgcgttctcc 300
taccgtgttg gtaaaggaag ctttatagtc aaggctaagt ggtttagcgt gggaaatggc 360
acttataaaa tcctgtacac ggagaataga aagtact 397

<210> 4304
<211> 412
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 4304
ctcctacctc ctccataacc cccattgtcg ctttcgcgca ccgccaaaat gttccgcacc 60
gctcctcgta tggctggatt cgtgtcccg tggaaacgtg tcccttacta ccagecgtctt 120
ttccagcagc acgacggcaa gcgccagtg tggaaagactg agcgcagtg ttacctcatg 180
tggccctacc tgatctccgt ctacggaatg ggcacgcgta ccacctacgc tatgggtcgt 240
atgggtctttg gccacaagac ctggttcggc aaggcgtaaa tggggtcctc gccaaactttg 300
acacagtgtg cctctatttc tatgataggc agctagaaaag aaagataact gacgttgtat 360
ataactttct ccaaagcgtc aaagcgtaa tatttgaaaa aaaaaaatnc gc 412

<210> 4305
<211> 358
<212> DNA
<213> Aspergillus niger

<400> 4305
tttttttttt tggggatatt ggagacgacc atttcttgcc ttatcatacg catccaattg 60
tagatggacg cgttcgacca cttgggggtga actggaatag aaatgggttg tagagccacg 120
tgggtgcgct ggggcccgttc tactccagat gactgaaaca agctgacggc tgacggtgtg 180
acctacaagt cgactccgtg tcagcgagtc tactatttga ctgctgacgt gctcgatggt 240
ttggtggcta catgccagta gaattctaga cgaccgccga tgctgagctg tgagcagtg 300
cttcggagag tatcagtcgt aaaaatatac ttctatatgt ctgcacagaa aaaaaaaa 358

<210> 4306
<211> 299
<212> DNA
<213> Aspergillus niger

<400> 4306
gaagggtgct accgcaacaa acaaattgtca atgatttctg cggtgatata ctgataacctg 60
aaatcccaca cagccaagtc ctacaggttc ttcagctata gggctgcgta ggtggaggga 120
aagcttgagg tgacaaatag cttggactac ctttggttcg aacatcttcc taaatgacta 180
cagcaggttg agggggatca gatgggtgga gacttctgta gcgttcaggc agctgggcaa 240
accacaacac gaatatgttt ctcccacgct tctgacgagg gttaagcctc ttaaggagg 299

<210> 4307
<211> 340
<212> DNA
<213> Aspergillus niger

<400> 4307
 ggggggggttg ttggcaaggt gtcaccaacg cagtcgatgc tatctacctc ctctccctgt 60
 tgaccctcgg atccattaat tgacgacaag ccacttcgcg cccttccggc gccgcgttcc 120
 acccgatcgc ccacgcctag cacatcttat acctcgataa tcttttcacg gcagctcttc 180
 ttctttttct tttggcagca accggttgcta ccgtgcgctg attgttacct ttgcttgctg 240
 ggacatttgt cactttattg gaagagggga gggaatatag aaataaatta gcgaaaatgt 300
 ggattatatc attttggata ttcccgatta tctcggcgtg 340

<210> 4308
 <211> 358
 <212> DNA
 <213> Aspergillus niger

<400> 4308
 cgaagcagtc agatgttggt cccctccaa cttcagctct cttctcatct tccttttctt 60
 ttcaatcttc aacctccaca tcaacactct tcaacatgat accccttttag ccattggtctc 120
 gtctacatgc gcggacatca gcatggcggt gacattgccc tgttcatttg ttcttttgta 180
 atttttttag gacaatgact ggatctgtct tgtttacagc ataggatcga tctactgcgtc 240
 tccttgcttc actaccacag catatttgtt cactggccaa tagagccaag atttcccatg 300
 taccttacta gttaactgtg aaatcaaacc aagcaaaaaa aaccccaaaa aaaaaaaaa 358

<210> 4309
 <211> 404
 <212> DNA
 <213> Aspergillus niger

<400> 4309
 cactgcatca gtgccgagtt gatcaaatgc cgtttccccc gcagttcaaa ggctgcagaa 60
 tggctgcctc tgccgggaaa ggagcctcga ccgttgcgct ttgggttcgcc aactcggaca 120
 tttcaccgcg tttgtcgaac tttccgattc gcatgcttgg tgtaataact cagttgggcg 180
 gcctgcatgg ttcagcaata tcgagtgaat caatgtagca aacacaacgt gcttgtagtt 240
 gttgggggtt aaaggcgggt tgggactcgg accaaaattg aaggaatgta atcatatgca 300
 aatctgggtc gtgggtcggc cgatcgctcg ctatcaaacc acgccccaaac tatgtacagt 360
 caaagctaag aataaatccc aagtacaaa atccaaaaaa aaaa 404

<210> 4310
 <211> 379
 <212> DNA
 <213> Aspergillus niger

<400> 4310
 cagegcccc ccaaaccgca accatggccg gtcccagcaa gtctttgatc cttgatccgg 60
 cctccagaa atactacgaa ctcaacgcca accgctacaa gtacttcggg tggacgccgc 120
 gccatgcctg gttctcgttc ctctacatgg ctttgattcc cgggtgcgctg ggctatgtcg 180
 cttataagac tgatggtctg taccagctgc gtggaaagcg caggggcatg acgattgtcg 240
 agtggttagat cgattcgatt ctctcaagca tgatggtgat gggaggaaga aaagcgtgat 300
 gtgatgtgat gggacgggct ggatgtgtat ctactactat tataccgtta ttgaagattt 360
 cgkttactam aaaaaaaaa 379

<210> 4311
 <211> 304
 <212> DNA
 <213> Aspergillus niger

<400> 4311
 gaatagcaac gtctggcaag ttctgggagg tggtagccgt ctcgtgtttg ttgatgccat 60
 ggacatgtaa acggctatta cttaatttag cagcagctct cagtcatatg ttgctgctat 120
 ttttcacgca ttatcttttt actattctac ttcatctgag agacgtgcat gaggccatgt 180
 gagattcctg tgggagggtg gaccccgagc cgggtgtttg tgtaatttt tcttgggtatc 240

<222> (1)...(619)

<223> n = A,T,C or G

<400> 4321

ttgaggccgg	atccactggc	ttatgatata	cccgggtggt	ctcccccttc	gccgtaaact	60
ccgtcagtta	ctcttaaata	cgaagaataa	ttgacctact	tcatacattt	aagggccatt	120
tggcatgcta	agaatccgtc	tgtccatgtc	ttctcctatt	caagccttgg	tgtgacaaga	180
acaagagaag	ataagcggtg	cagagaattg	atgtgtaaga	gagacagaga	aagcttgccg	240
ggaacagggt	gccatcgggt	aatatggaag	atacgagtgc	tgagggtgcg	ttgcgtcgat	300
ggtgaacacc	atcgctctga	tttggtgcca	gcccattggc	atggcttagc	tttccacga	360
gccttctgcg	gccggtacta	cctgaaacac	gcatagggtg	cgttgagatg	cgtgggatgg	420
ctttgctttc	actgcaggca	tggaaaccca	acctgagcag	aatactgtgc	atttggcaat	480
agtcataact	gggtgttgac	gaaagatana	gggacgagat	gctagaacca	tccagcactg	540
ttatcaaagt	gggtatctat	ccgagcggtc	atggacgcng	gataaatgtg	cgtgatttaa	600
cgaacaatcc	ggcctggcg					619

<210> 4322

<211> 304

<212> DNA

<213> *Aspergillus niger*

<400> 4322

ggaacgaact	aatgtacctt	gaggaagacg	aaaccgtcta	cagaatctaa	tcataaagaa	60
caaaaactca	atttaaccac	gttatacgac	ttagagaaat	gggatggata	cctacgtgac	120
ggctgactca	tgcgcatgat	ttctttacac	ttgcctctat	gtttcctgaa	tacatataac	180
ctgttttgaa	ggatagttcg	gcgtctcgga	tactcaacgt	ttatattact	tgtctctaata	240
tgtctatttc	cttctccatg	tgcattctta	ttttgatcga	aatgccatcc	atcatacatt	300
tctc						304

<210> 4323

<211> 299

<212> DNA

<213> *Aspergillus niger*

<400> 4323

ggcagggtgag	aagtgttggt	ggggactcat	gaaagggagg	atgccatagt	gtgtttgtta	60
tggttggtcca	gcgtgcggag	cgatctatca	ccagctccaa	tgagcatgta	ccaactacat	120
atgcaacgga	ccgcgaacga	gcaagcagca	cggcacacac	tgacacgatg	gctggtttat	180
tgcaagctgt	gtattggagg	ggatttggag	cggggagctg	ctaaaggagg	aagtatcctc	240
cgcgacaaaa	gggcgagctg	aagtcaagac	cgtccgtact	aatataaacc	ctctttctg	299

<210> 4324

<211> 181

<212> DNA

<213> *Aspergillus niger*

<400> 4324

gcaagctgat	acttcatggt	ttccatcaat	atatgctgta	gggaagacta	attatattgc	60
gcattaggtc	atattagttg	gatttttaata	cctggtaatt	caattcctat	atcgatatga	120
gatgggcagt	actgtctcac	gtaaccagac	tccgtaacga	aaatatatac	tactaagtat	180
c						181

<210> 4325

<211> 237

<212> DNA

<213> *Aspergillus niger*

<400> 4325

tgtagcggct	cttgccgtgg	gcgtcgaaga	ggatgagtaa	acgcttgatt	gcgctcctta	60
ataccatccg	acctggatat	cacttgctgc	gcatacatgc	atgagctggg	atccccgcta	120

cccttttttac	cgtattata	gacttttttt	tttcccttat	taccttgtct	ctactgatag	180
agtcaatttc	ttttcttttt	acatgtatgt	atgtcattaa	tagtggtaaa	tttagtc	237

<210> 4326

<211> 528

<212> DNA

<213> *Aspergillus niger*

<400> 4326

ggcgcaactca	aagatgtatc	ttgtgatctc	tatcccccg	ctggcttgtt	tccccgtaact	60
cgtacagtg	cgtcggcctt	cgctatatta	tatgagcgag	tggacatcct	gaggcttctc	120
cttgaaaaag	ggtttctccc	cgcccccttca	gacttagacc	tcgctaaaga	aagaaatttc	180
gatgagggcg	tgctactttt	ggctccattt	gcgaaacgcg	agttacacta	tcatctgggt	240
atcgcaaaact	ggcatgcttt	cgggttgaac	cccaaactga	cggaggagcg	ggcttcaaac	300
aggtggcaca	gtaaatattg	tgctggggga	atagccgaca	catctgggac	cagggaaacca	360
gagccagatc	taggtctcta	tcttccacct	gggcccgttg	attcagacgg	tgaccccatc	420
tcggagtcgc	aagatagccg	taaccggagg	gatcatttca	cagtgtgtta	ttagtatgta	480
gatgtagttc	ggctgcttac	agttaaaaaa	tgggaaacaa	ctgactaa		528

<210> 4327

<211> 216

<212> DNA

<213> *Aspergillus niger*

<400> 4327

ccaggcgcca	agacgggact	gaaatcctga	cttggattgt	tttactatca	tggtttacga	60
cttctacgtt	ttctttgcgg	cttgtatatg	ttaataggat	gggtcatagc	ttaatgacta	120
gtagataatg	tgccgactgc	ccaggatcat	ggtcgtggat	atgcagcagc	atggatgggt	180
ttatggatgg	tttaatggat	aaccagggtg	aattac			216

<210> 4328

<211> 214

<212> DNA

<213> *Aspergillus niger*

<400> 4328

agaagcaata	gagtgccacc	gctccccggg	aggaacagg	ataacaacgg	ggtgtgcagt	60
ggatgggtag	tattgggcta	caggaatgaa	ctgctgctc	ccaccgcacg	acctttgatg	120
acgccgggtc	tgtgcccacc	aatcctggac	acgatccttc	gcctctgttc	tacttgtttg	180
tcaatgttag	ccccaaaaga	cctctgtatc	tcgt			214

<210> 4329

<211> 506

<212> DNA

<213> *Aspergillus niger*

<400> 4329

accatcgcca	aaacggactt	ttctgccatt	tatgacaatg	gcaagatgat	catcatctgg	60
acaacggtag	agtggacagt	ggcgctcatg	atagccaatt	ctcctgtctt	gtggcctttg	120
cttgactggc	tcgctccttt	ccattctatg	gagaatggtc	cgtacgaacg	atcggcataat	180
aacccttcgt	gtcacttgct	aaagcgtctg	cgaccaacaa	atttgctgga	atgcactcaa	240
acattgacat	caaagacggc	cgctcgggag	acaggctcag	tacactcatc	tcgatctatt	300
atccgagggg	tcggggccaa	ctggacagag	gcaatcgggc	aagcacaaca	accagatccc	360
tttctatcgt	tggagccggg	cgaagtgcga	gtgcagactg	agtggtcggt	tgaacggtcg	420
tcagtgggta	gattggatcg	attaaggccg	ggaagaagat	cgtagccgaa	atgataatta	480
aaagttgtag	caccctcaaa	aaaaaa				506

<210> 4330

<211> 194

<212> DNA

<213> Aspergillus niger

<400> 4330

gccaggtctc	caaggagctc	gaggctcage	tcaaggagat	catccccacc	ttcaacaagt	60
ccttcaacgc	ataggtgagc	aacacaatgc	tcttgggcga	gtagcccgcc	atgtaccgat	120
tcaatcctga	ctctatgtgt	atagacaaga	tagcttgtag	aatttgaacc	cactgtttta	180
tttttttttc	tggt					194

<210> 4331

<211> 112

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(112)

<223> n = A,T,C or G

<400> 4331

gggacttgac	catgggtatc	gatgacgtga	tacatcattt	atgacttaca	cctgctaata	60
tagagatatg	gattttaata	tgagttattc	ntttgggatg	tttgaccagc	tg	112

<210> 4332

<211> 110

<212> DNA

<213> Aspergillus niger

<400> 4332

tcacataact	ccgccgagtg	cagtacctat	agtgcacg	atgagtagga	atatgtaggt	60
ttttagttac	ggtagttaga	taatgggtta	gcaacatggt	ttctctggtg		110

<210> 4333

<211> 170

<212> DNA

<213> Aspergillus niger

<400> 4333

cggcgccacg	tactcttata	tccgtctgtt	tagccttggg	tatacgctga	gccggccatg	60
atggtcacgt	taatttggcg	gcataaatcc	tgccttgtca	gagaaacagt	tcttgagttc	120
agcactttca	cgatagtttg	acgaataaaa	aataactacc	ttttctcccg		170

<210> 4334

<211> 166

<212> DNA

<213> Aspergillus niger

<400> 4334

ccaacaaaca	ccttgttcgc	tctgccttta	tatcttctgt	ttccctttta	ccactttccc	60
ctctattcct	tttgctcccc	tttcttgtgg	attcctcccc	cttcgttttc	cttttttttc	120
ttccctatat	tctaacctga	tgagaaattg	atctgattaa	cgtctt		166

<210> 4335

<211> 130

<212> DNA

<213> Aspergillus niger

<400> 4335

tgcgtagcag	atctaagtga	gatggttttt	ggagtgttgg	aaaatcagat	ggctagtaga	60
cgagaagaca	cacagtgttt	tcttcccgtg	tcttgggcga	tctaaggatt	gcataatgtc	120
ttcaccctgt						130

<210> 4336
 <211> 438
 <212> DNA
 <213> *Aspergillus niger*

<400> 4336
 gggagcggac ctgaaggagt cggaacgcgg atggtccaca ggcgagctgc tgaagatgca 60
 caaacagctc cgaccggacc ttcaatttca atacaacgaa atcctcttca gtctactcat 120
 gctccatccg cccattcgag gaatcgatgc atttgaggaa gaactgcttg gccaatttg 180
 agcgagagcg acgacaaaa ttacttttcg agatacccct tccccctgcc gacattcatc 240
 tacttttagc cattgttttc ttttcttggg ttgaaaagaa gcgtgtgttg tgttatgttg 300
 tattgtgttc tgtatgtttg tataatttcgg gcagaacaga aaaaagtact gattagggtac 360
 gaatccaaaa cccatgattg ttttccgcga cgtgcaggaa cgtcgcagca gtcgtacatg 420
 aatattttaa aaaaaaaa 438

<210> 4337
 <211> 375
 <212> DNA
 <213> *Aspergillus niger*

<400> 4337
 ctgcacccac gaaagcgggt aagtgactca cattgtgcag attctttttg catttccgctc 60
 tgtctagcgt gtaggggact ccgttcccac gctaatatcc agagctggct ctgatgctcg 120
 aaatttatga ggaaacgaaa agtaccaaaa agtttgggat ggcgttctaa aattgtccat 180
 tcctgggata cacaataaag agggatacag ttttatgatg aaatgaagct tggatgtgac 240
 atgcttgtat actctaaacc cggagatttc ctgtatccta gtagatagac ctgagcgccg 300
 tacagtatca gtatgtacgg cttgacatta gtcaaaaaaa tgtcaccatg ataattcatt 360
 catacaaaaa aaaaa 375

<210> 4338
 <211> 420
 <212> DNA
 <213> *Aspergillus niger*

<400> 4338
 cgtcgaaaga ccgaacacgc cgtgcttttg atgtccccc tctttccatc aaagaggtta 60
 gtcactcctt tggcagttac ctgccgcgcc aattgaagcc gcctttgagc atgatgctat 120
 aaaatgcaag aaagaaaacc aagaaagaca aaaaaaaagg gtaccacca tctggatcat 180
 ggcagtctgc catgaaggag ccagatgcgc tacgtggagg agatgggata gttggggatg 240
 tgggagagga aataggaagg aatttgga aaagagaca agaaccgctc tataccggtc 300
 tcggatggta tagccagggt gatgaaggat gaaatgaaac gagcgacgctc aaggtcatgt 360
 tagctacgtt gttcacatag gatacgaatg atgagtgtat acttgcctaa aaaaaaaaaa 420

<210> 4339
 <211> 400
 <212> DNA
 <213> *Aspergillus niger*

<400> 4339
 taagcaggca ctactttat ggacaaagcg ttcactctatt gtacgattgc acgatcggtc 60
 ttctctgaca tggctttgaa gatatttgtt tttccggtgc gcatctatat accctataat 120
 ctctggcggc tttgcggtac ataccattt tacgaccca tggcagagcg ccccgacagt 180
 tctttgttac caacgctcgc tcgcttgcat tcttctcgtt caattgggtt gcatcctcct 240
 gcgttgtgtt tctgttcagc tctgcgaagc ctaaccggtg tttttgggtg ctgcgatatg 300
 gtttcgtttc tttttgatct taggataccc cgtgtagata gggctgtccg tatagaagta 360
 catagactaa taccactttt tcttctgcga aaaaaaaaaa 400

<210> 4340
 <211> 563

<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature

<222> (1)...(563)

<223> n = A,T,C or G

<400> 4340
tctgacattt ccgctgacac ggtgaccatg ggataaatcg tctgccgacc atgacaccgg 60
gcagaccgtt ctgcaatatt tgaggtttta tacggtagca cgcacatatg cgcgcacatg 120
atactcttac acttggtgac accatcaagt tgattattat ctgagtctcc agcgcacagc 180
caccgaatta cacaccatag cacagtggac cccgagcaga gagtagacga gacgatgaaa 240
cgaggccaaa cccacgactg aattgagcca cggcccactg atcagcgaca cccaccattg 300
ccgacaccac aaaaggggtc ggtcaagcaa tctttcgggt gtggcttgaa gggccgccgt 360
cacaacctcc attagacacc tgccatcgat ccgatcgagg catctctcct catgccccggc 420
gacgccagtg tacttacttg ctcacactta cgtgtccgtg ttacaggcaa ccaggctaata 480
gtcccataac tgtaaggggg aaagaggggt gggcaaaagg aaatggaaaa agatggaggg 540
gtaaaaagnc cngnaacgga cct 563

<210> 4341

<211> 336

<212> DNA

<213> *Aspergillus niger*

<220>
<221> misc_feature

<222> (1)...(336)

<223> n = A,T,C or G

<400> 4341
ngttccttga aaaccgtgtc cccttacnac aagcngtctt tttcaagcaa gcaacgacgg 60
naagcgccaa gtggtgggaa agactgancg caattgggta cctcatgtgg ccctacctga 120
tctccgtcta cggaatgggc atcgctacca cctacgctat gggtcgtatg gtctttggcc 180
acaagacctg gttcggcaag gcgtaaatgg ggtcctcgcc aactttgaca cagtgtacct 240
ctattttctat gataggcagc tagaaagaaa gataactgac gttgtatata actttctcca 300
aagcgtcaaa gcgttaatat ttgcaaaaaa aaaaaa 336

<210> 4342

<211> 343

<212> DNA

<213> *Aspergillus niger*

<400> 4342
gggacgcccg tggacaattt cacttgaggg acttggttct caactcatct tcaacatgag 60
caggcgctga tgtcacctct tcttgattat agcattgccc gctcatctgt tcggttcctg 120
ggcgcttttc aaacgcattc agtaaatcct ctattttgtt ttccagggtg tccaaatgat 180
tttccagcgc tagagctgtc atttcgccac tgggaacagt ctttttagatg aggacaagaa 240
ttgattgtct tgcacgcata ccttgtaata tctttgaaag cctgttgcta gcgattagca 300
tcttcgtggt gaatgtagca atactttaag ggcgctctcg ggc 343

<210> 4343

<211> 255

<212> DNA

<213> *Aspergillus niger*

<400> 4343
ccgtatcacg acacgactca tgtacgtttt gcgaagcttg ccattcatct ctaactatga 60
ccttgacgac tatgactatg catgcatctt gcattagcga aaatgttcat tggttttgga 120
catattcctt ttattttctc tttgcatcac actgcatcca acatccaaaa ttcaatttaa 180

gccgtgttga tcttctttgg catgtatatc atgatatggt tttctgtttc aaaaagaaag	240
caacgtctat ttaat	255

<210> 4344
 <211> 300
 <212> DNA
 <213> Aspergillus niger

<400> 4344	
gtgatgtggt gatgggtatg tactgtggcg accgggtcggg cgggttcagc cttgtgggtt	60
ttgaaccacg agtacagagt acagagtacg ggggtactcat gtaggggata tcattgacat	120
ttattgagaa ttatacatgt cctgtcaagt catgtcgtgt catcctttaa ctctggaaag	180
aatgtgagat tatgtggtgt aagtgtgtgg gtgtgtcaaa ctgacacatt cctcggatcg	240
gtcagcccaa ctctactctc acatccgtcc ccaagtgtcg gtctggcaga cacgtagctg	300

<210> 4345
 <211> 205
 <212> DNA
 <213> Aspergillus niger

<400> 4345	
atgccattga ggccaatcga tgcgagccat ggatcaggta cattgggcct gtggttcaac	60
cattagaaca gactgaaatt gtaaacatat tgcgtccaatc taatgggtcac aatgcactaa	120
catccagtgg ccgtacgtag tgcgaaagtg aaaataataa aataaaaataa atagaaatga	180
gggcaataat caaaagtcag ggtgc	205

<210> 4346
 <211> 198
 <212> DNA
 <213> Aspergillus niger

<400> 4346	
cagcagtgtc agtatatcgg taatatgtgt ttcttggagt tgggacagat aaaaggtcct	60
ctttcagtcg gtgatgactg tccagctatt gacctggatt gtgtggcagt tatgcaaata	120
tggactctgt tacctggatt gccagagtgc atgtatctgt ctgtattata gttcatttct	180
acatggaatc agaaaaat	198

<210> 4347
 <211> 195
 <212> DNA
 <213> Aspergillus niger

<400> 4347	
aacaaagcat cggcaggtac ttggccactc atcatccttt ccgctcctac ctcgttggga	60
agccgtatca gtagggattt caaaattatc tattcgcttc ctgagtcag ctgctgcatg	120
ggtgattata ggacatgagg tcaccactga cgtggttcta ttatattgat agtaagaggt	180
cattgcgaac gatat	195

<210> 4348
 <211> 167
 <212> DNA
 <213> Aspergillus niger

<400> 4348	
tggatgctga tottgagggt ggatttctca tcctgggttg tgatatcggt attgggttgt	60
tgtaacctta ttactttgac gtgtatgttg gtatgagggg ggggatgtat gtatgggtact	120
tgatggcatg catgaagaat tgatgaatgg aatgaaatgg atatatg	167

<210> 4349
 <211> 328

<212> DNA

<213> *Aspergillus niger*

<400> 4349

ggaacactcc	accgttgagc	ggaatcccg	caacaggcat	ggctggctga	gtggagctat	60
ccgagcgatg	tcggcaaacc	ggccaactag	gcgcaggac	caccgcaaag	gcgggtggat	120
tccggagaga	agaaaccact	gcgagcacga	aaatattcgg	aagggtgaat	gctcaccgc	180
aaacggatct	atcgccccga	ccgatcctga	tgatatggat	gagatcaggt	gaaccgaaat	240
tgatcatcaag	agccggccct	cgcggggatc	agacgtgtac	aataggcctg	catgaaatga	300
aaactgctat	cttcacatga	aaaaaaaa				328

<210> 4350

<211> 352

<212> DNA

<213> *Aspergillus niger*

<400> 4350

cgagagcgga	gatagccaaa	caaggcgacg	accataccta	gccatgccat	caccagggtct	60
gcgccttgaa	ggcacacgtg	gctcagagac	tcctcaacta	atgaaaccac	atgctcgctt	120
tttcattgag	cgtaataaaa	gcatggtcag	catcaaattc	gatcctcctc	cctcaggacg	180
atatatcctc	gtcaaattat	ggagtccctc	cagcggcggt	tatcaagaag	gtggtctaac	240
ttggtgaggg	aagggttgat	cttctacttg	gtggttgcca	tttgtttaact	agacgatgga	300
tgccacgagt	atatgtagct	agactatact	atcaaagaga	aatatattag	tc	352

<210> 4351

<211> 398

<212> DNA

<213> *Aspergillus niger*

<400> 4351

ttcagctggt	gaatggtggt	ggagaaggac	aacaaatgca	atgcaaggac	ttcgataaagc	60
tggtagcctg	gtcgaaggca	ccggaacgca	atgcttgcta	caagcgactg	accgactaca	120
agccgatcgt	ccatagcatt	gagcgctatg	ccttctgtcc	tgaggatagt	gagcactacc	180
cgacgatgag	caagtatttc	gaggaacacg	gacattatgc	cgatcctttt	tcggaataga	240
caagggcgag	gctgatttga	atcggttggg	gagggtgaaa	agcagccaag	aaaggccagc	300
cgaggggagg	aggggaaaag	ggccttttag	cgccgaaaac	cctagtcagc	acctaattta	360
gtctatttag	cttcaatgca	actaagaaag	tagcaccg			398

<210> 4352

<211> 366

<212> DNA

<213> *Aspergillus niger*

<400> 4352

cgctgcctac	ggtggtgccg	ctggtgccgc	ccccggcggt	gctgcccccg	gtgctaccgc	60
cactgctgac	gaggtcgagg	agcgccctga	ggagctcgac	taaatgcttt	aaaaagctgc	120
ggtctcgatt	ctgttcttgt	ctttcttcat	tatacctcca	gccgttttgc	agataggcga	180
gcggttttaa	tggtattgct	tgtttctttt	tcctagtatc	atgttaacga	atttatggga	240
atcacttttc	tttgtctatg	catagattcg	agttgctagt	tgttactgca	tgatgacttg	300
ctctgcagac	tatgggaggg	aaaaagtttc	ctttcgacga	atacattact	ttaattcaat	360
tcgtgc						366

<210> 4353

<211> 387

<212> DNA

<213> *Aspergillus niger*

<400> 4353

gcgcattagt	tgcagccttt	tattctgcct	gatgtaccgc	gtgggcatgt	cccggccttt	60
ctctcggcca	gagaggacgc	gccggcggtc	tcggaccccg	ccaggctcag	gcgccttggt	120

gaagtagcgg	tgcggtcttg	tgatttatta	tottagccag	tcagagagat	gagcatccaa	180
ctgcctctct	cgtttctct	acacaggtaa	ggctgaaaaa	gaagcatcca	actgctctcc	240
atcagataag	ccctcaccga	gtgtctttgc	acacgtcaag	acaccgaggg	tggtgggtga	300
ccttgataag	aaaagtgttc	gatcgtacat	agattcgtta	tggtaaatag	atttgttttg	360
tcattctctc	agaaaaaaa	aagaaat				387

<210> 4354
 <211> 437
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 4354						
cttaaattac	ctcaccgtca	tgaactattc	tagaaccgcg	ctgccgaaca	ttgctcactt	60
atccgtgctg	gaaacaggcg	gtgagtcggc	aaccgcagag	tcagggactg	taacattacc	120
acgcccttat	ttaccgcgca	tagacctttg	gcgttgctgc	gttggaacga	tacagataca	180
atagagtcc	gtctccttcc	gcgaccgctg	tctacatatt	cccttcttgt	tccctttttt	240
accctccatt	tcctatgtgt	cctctacgaa	tgtgttcctt	ccagctcttg	tgtgtatcat	300
gggttttaama	caatttggtt	gcttgagacc	ataatgaatt	gaagagatct	cctctcacat	360
gacacnntag	aatacggaga	gangcgtgtc	ngagattgct	gcggctatga	tcccaatcgg	420
atggaaaggg	angttcc					437

<210> 4355
 <211> 283
 <212> DNA
 <213> *Aspergillus niger*

<400> 4355						
ggaagattct	ggggatcata	ccgaagcttt	ggtcaacgat	ggtcgcaagc	atcaaccgcc	60
taatgctctg	aggctatgga	gacttgga	tgtoatgacc	cgttgggtct	tggccctctt	120
cttcttcggc	ttgcgctggc	catttccatc	tacagctaaa	tcattgcttct	ctccactatc	180
ccgagaaaca	gggaccgtag	tcttctttac	ccgcttcttc	tttttaacca	atgttccgtc	240
ggagggaact	cctgttggat	ggaccgcgtc	tgactccctt	tgc		283

<210> 4356
 <211> 342
 <212> DNA
 <213> *Aspergillus niger*

<400> 4356						
ctctctccag	ggatgggcaa	ttggcatttc	ttcctttctt	ctggaatctg	tcgattccac	60
cgcttaacga	acaaagctct	ttttctctcc	atttctcttt	ctctccacga	aaccttctcg	120
tgaacctctc	ggacatgaat	ctcgggatgt	caggcgatgc	gacatcaggc	gagtgaacca	180
gcaggtggcg	aaggcgtctt	agcgggtaca	tcggctctct	gtacattttg	ttttgtgtgt	240
gtttgcagta	gatattttct	tccaagatga	tgaccttgat	tacgaagcga	ttttgttaag	300
tcgagcgaat	gacattcgtc	tacatgctat	caaaaaaaaa	aa		342

<210> 4357
 <211> 196
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(196)
 <223> n = A,T,C or G

<400> 4357
atgatacgt agctnagctt ggggtanccng cttatcgata antcnagctc caaaactngn 60
aacgaactcc ggttcaacna gtaccggccg caattgngcn ggaattctgc agatgatgag 120
ggcaattggn tatatgatca tgtatgtagt ggggtgtgcat aatagtagtg aaatggaagc 180
caagtcattgt gattgt 196

<210> 4358
<211> 112
<212> DNA
<213> Aspergillus niger

<400> 4358
aatccgtcaa acactcccca taaccgtcag tcaatgcac tatgggttttt gtttggtgtt 60
tggtgattcgt tatagcgta gattatagtc attgtgaaac agtgttcttt tg 112

<210> 4359
<211> 316
<212> DNA
<213> Aspergillus niger

<400> 4359
gcaccttcta atcttcttgt atctgattca tttatgtgtg tgtatttggg gcatgacaaa 60
gggctagttt gaaggagttc aggagagacc tagccagctg ctaaggcttg ggactgatga 120
ggagactgta tcacagccgg actcgtttgc gtctggatgt ataacaacc tgggggatta 180
cataaaggac agcaataggc agattgccga tactgagatg tatctcggag atacgatcta 240
aagccattgt attgcagacc tgaactacta gctgacatca tggcttcaat gaaacctatt 300
gcttgaaaaa aaaaaa 316

<210> 4360
<211> 315
<212> DNA
<213> Aspergillus niger

<400> 4360
cgtcgatgta ctggatctga cccaacgtgt ggatatgcgt tcgctaggaa ccatgtcgac 60
acaagcgctg cgagatgcat tggacgccta cgagaacgac gtcttcaggc gcgcagagcc 120
tagtgtactt aactcgcgcc aggcctgtgt cgacgctcat gacttcacac gtatcctaga 180
cgagagcccc ctcgtatcag cccgcgtgct gaaggaggat accacggagc aatagtctta 240
gccagagaat catcacagtg ttgcggggag gcagcataga taattccttc aattaatcac 300
aaacctaata attct 315

<210> 4361
<211> 487
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 4361
tcgagtccca tctacgccac ttacctagct accccgggtga tcactaccca aagtttgctg 60
caccgctgta cggagcacag ttgatgatac atagtacata aaacatacat ctggccacta 120
ggcacgtatg gagcctgggg agaaatgggc tacgaatacg cgcctggagc aaaagtacag 180
tgcaggaacc cagaagaatg aaatctattg cttctctaca tcatcacaca cttcataagt 240
ggcccagaat ggatttaca cgaatccaagg gattttcttt cctccttcta tgattggatt 300
gaagccagat cttctccaca gaaaacttcg acttangcag atcagcaact gagacaaatg 360
ccgctttgat tcagaccggc ntcttnacat actaataact actgntgctt cttggcctaaa 420

ggttgcaccg ttgacttcaa tgcattcatc cccatcctag cattattaca acctaagact 480
accacat 487

<210> 4362
<211> 384
<212> DNA
<213> *Aspergillus niger*

<400> 4362
cagtaatctt ggatcctcct ttattgaggg aatatgctat gaaaggctgg aaggatagac 60
ccttccaatt caatcaagtg tgacattatg tcttgcccta gaggtatcaa cacccttctt 120
ataatttttg cagtggcaac ataagtatct gtcccttgac catatgtctt tctcgaagag 180
aaagacccgc gaaagtgacg cttgagatgg ccgaagccca ggtttggaat acagatcggg 240
cggattaagt caatcgatgt gtgcatatcc atggcgctctg tgatataacc tcaggaaccg 300
cccagcctga ccggcaacac ccgccatttt cctccctccc ccctgcctct tggatgggtt 360
agcagaattg atggttcattg aatt 384

<210> 4363
<211> 349
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 4363
nantacatca caaccacgga agacggccac gccgaagatt ctgcatctgt tctcagtgc 60
gcaactacct tggctcagag caagactggg ccccgagaagg ggacttctgt ccaacagggc 120
ccggaatagcc tcgactacgg ctctacccga tactctatga gaggcattgt caccgcgca 180
tgatgttggtc ggctacatct ttacgacgg aaacgacctt cttggcaaga aacgggctgc 240
gcgatggatg tgcaagaagt ctctattcat tgaaatatat gtaatactta atgtctcgct 300
atgttttgaa atttaattga atatgatggg nttttcaaca tgaaaaaaa 349

<210> 4364
<211> 318
<212> DNA
<213> *Aspergillus niger*

<400> 4364
aaaaagatct ggatgcgac catttccctc cactagcttt ttggccctcg tgtgtggtga 60
ccttttccgc ttttcttact aaatttagac actcactacc aactcttttt tcttaggttt 120
catttcttcg tttcttgcat ctattggtct ctgatttttt tcgggttcgc gatctagatc 180
tgggctctct tccgtccaac gggtacaatg ttgggggttta tgcacgctat accattgcac 240
cggcggtggg gtttcgtggt tggcccggtt tagataacgt cttaaaccctt ggaatacact 300
tttcaatata atggtgtc 318

<210> 4365
<211> 317
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 4365
ctctgagcgg gatcgtgtga tccgcgtcac gcaaaacggc atcaagcacg ttcttcggga 60

tgtgcattga catcacaaca tcgtcttcat gttaaattacg gatggattta gatttgatga	240
agcataccta aattcgctac atatgaggcg aaacttgata caaaaaaan	289

<210> 4369
 <211> 227
 <212> DNA
 <213> Aspergillus niger

<400> 4369	
gttattcatc cccagtcata tactgcgggt ctgttatatg gttgttctgc ctttctgttt	60
ctatggccgg ttctgatgtc tcccacttat cgggattgac tcgtggccac taatctttct	120
acctggtgta cttgacttat ccgagtgcct tttctgttat tattgttgcg cttatgtacc	180
agactgtgaa ctatgggtatt ctccaattca aagtatctta tatgcgc	227

<210> 4370
 <211> 248
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1) ... (248)
 <223> n = A,T,C or G

<400> 4370	
naatangga cagctacgca ngggtacctc ctctcgccgt accgctttaa ttcgtatctt	60
actactcttc atccctctct cgtgataccc tacctttttc tcgatgtcaa catgtctaca	120
tatcgactca cgcttgcgtc tcttttcgct ggtataacctg atttcgcctt ccaaggtaaa	180
ccgaatgctt cgatatatgt ggggtgtaga attactgctt cttttttcaa aaaaaaana	240
gngatcaa	248

<210> 4371
 <211> 203
 <212> DNA
 <213> Aspergillus niger

<400> 4371	
ctccagcgtc atcacgtgca acgaaaacaa cttcaatgaa ggaaatggat accttcttct	60
ttcttctatc acattgatta gattaccgg catggcttct cccctttttg catatcctca	120
cggcatgtac cgtacacttc tttgctgctt tcataggcat agccatagcc atattcaaac	180
atagcatgac catacattaa ggc	203

<210> 4372
 <211> 187
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1) ... (187)
 <223> n = A,T,C or G

<400> 4372	
ncangtcagc gtcagcatta tncacagtga taccangca gtcgcggtcg cggctctccaa	60
attttaatgc gctgatgagg aataatggcc tgaatttatg tcatgtacct tgagtgtaat	120
ctatcatgtc tcttccttag cctcgtaga cagtattaga ttgtcaatac ataacgtgtc	180
tggttcc	187

<210> 4373
 <211> 198

<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G

<400> 4373
ncgagagatn tcgggtcggg cccnattatg tattattggt tggctctaatt tcccanagtc 60
gtgtcattgc gagcgaaagg aatgattttt ctttttccac tatagacatc atccccgcat 120
cttgtagata ccctgggctg ttgtgcgtct gtatcactac agttggacca gaagagcaag 180
agattctgta tgcttcgg 198

<210> 4374
<211> 158
<212> DNA
<213> *Aspergillus niger*

<400> 4374
ggaagtttcg atgaagagca tatctctctt atctctctat tggctcttatt atggagcacg 60
atggaggttg tctttctagt agtttgatat tcattcatca tgggatttca tctaattattg 120
cctcaaataa ggacaagtaa aaatagttct cgaccgtc 158

<210> 4375
<211> 285
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 4375
atcgaataca acgtcaaaac cacaacaagg tccatgggat tcattggtga tgcgaccaat 60
acaccaacgc tgtccctttt tctcaccatc agttgctggg caatgatttt gaaggcatgc 120
attcattgac ggggtccgagt aatcactgca tggtccgaag aagcacactg cccacaggat 180
gaaccctcaa gtgggccaca gggcgctcagc aatanaatgg tcatgtagcg gctacgtctc 240
tcaatctcac atgagttatt tttcgggaaa aaaaatnnat aaact 285

<210> 4376
<211> 234
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 4376
gtctgggaga aagatcctgg gccaaagggg gggatcggcc ccntganaaa ggnggatgac 60
cttacctccc gcangcaaaa atcctttcgc aagggtttgt tggtagaggag aaangaaggc 120
caaagaatga actgtaggat attgtatgga ttatgacttg tttagctagg gtatatgcac 180
ctagtttctg ttactctgta tgatatcaag aggcagttat gaaccggact aaaa 234

<210> 4377
<211> 683
<212> DNA

<213> Aspergillus oryzae

<400> 4377

ctaataataa	cagttgctca	tatctccagc	ctctcaattc	tgttgctgcc	cggccttctg	60
atcatcgatc	acatccattt	ccaataacaat	ggcttcagtg	acggggttct	gatcctgtct	120
atcgtgctcg	cacgaaagca	gtcgcagctc	ctctacagcg	gcatacattt	tgccatattg	180
ctctgcatga	aacacattca	tctctatctg	tcggttggcct	actttgtcta	cctgctgaga	240
acttactgcc	ttgaccctaa	gtcggctctt	cgaccagat	ttggaaatat	cttcaaactt	300
ggctctgggtg	tcatcagtg	gtttgctgta	gcatttggtc	cattcatcta	ttggaatcag	360
ttgctccaac	tgaaagatcg	gctcttcccg	ttctcaagag	gtctgtgcca	tgccactagg	420
gcgcctaaca	tctgggcaat	gtattccttt	gtggaccggg	ccctcattct	acttgcccca	480
cgtctgggtc	tttcaatcaa	cgaggaagcc	cctacgagtg	ttacacgggg	gtcttgtctg	540
aaacaccttc	tttggtgttc	ttcctgatgt	gacccaagaa	cacacttttg	cgccactttt	600
tctgtttcag	ctggttccgt	tatataaata	atggcgccac	cctggcgatg	ggaacttttt	660
ggtggtccca	atactcttag	cca				683

<210> 4378

<211> 643

<212> DNA

<213> Aspergillus oryzae

<400> 4378

gatcgacgtt	cgtaagaacg	ccaaggcttg	ggctcgtacc	ctcgtgccc	ctgagaagat	60
gaagaaggtc	ctttcggcga	accctgctgc	ccccatgagc	atcgaatccc	tgatggagga	120
cgctgatgtc	cgcgccattg	tcaagcgtga	ggagctggag	accatgggtc	agcctctoct	180
ggagcgcgtc	cttgttccca	tgcagcaggc	cctcgccgag	gccaaagtca	agcccagagga	240
tattgacagc	attgagatgg	ttggtggctg	cactcgtgtc	ccctccatca	aggaggccgt	300
ttccaagttc	ttcggcaaga	acctttcctt	caccctgaac	caagatgagg	ccatcgctcg	360
cggttgtgcc	ttcagctgtg	ccatcctctt	ccccgtcttc	cgtgtccgtg	acttctccgt	420
gcacgacatc	gtcaactacc	ccatcgagtt	cacctgggag	caatccgcag	atatccccga	480
cgaggacacc	agcctgaccg	ttttccgtcg	cggcaatgtc	atgccctcga	ccaagaatct	540
tacgtttctac	cggaagcaag	cttttcaatt	tgcagctcgg	tacgctttcc	ccccgagaac	600
tttctgggaa	agaccgaccc	ctgggtgggc	cccttttttt	ttt		643

<210> 4379

<211> 851

<212> DNA

<213> Aspergillus oryzae

<400> 4379

cgagggacga	cagcactcaa	ctccacgacc	acccaacgac	ccttgcccgc	tgcgttcctg	60
gtgaagggct	gcaggattag	agtcccctcg	aaacagcaaa	catgggtatt	tctcgcgact	120
cccgccacaa	gcgctcggct	accggtgcta	agagggccac	ctaccgcaag	aagagggcgt	180
tcgagaaggg	tcgccagccc	tccaacaccc	gtatcggtac	caagagaatc	cacctggtcc	240
gcacccgtgg	tggtaacgcg	aagttccgtg	ccctccgtct	cgagtcgggt	aacttctcct	300
gggggtccga	gggtatttcc	cgcaagaccc	gtgtcatcgt	tgtcgcctac	cacccctcca	360
acaacgagct	ggtccgtacc	aacaccccta	ccaagtcggc	cgtcgtccag	attgatgctg	420
ctcctttccg	tcaatggtac	gaggcccaact	acggccagcc	catcgccgcg	agacgccagc	480
agaagaccga	gaccactgag	gagaagaaga	gcaacagcgt	tgtgaagaag	caggctgagc	540
gcttcgccga	gagcggcaag	gtcaggtccg	ccatcgagag	acagttcgag	gccggtcgtc	600
tctacgcgct	cattgcttcc	cgccctggcc	agagcggtcg	tgttgacggt	tacatcctgg	660
agggtgagga	gcttgctttt	taccagaagg	ctatcaggaa	gtaaaaaagg	aaaatcgtgt	720
tgtaaaaggg	tggtatcgga	gtttcagcaa	ttttttccag	aatacattta	tgatctctgg	780
ggcactacgg	gtgcattgtg	tgtaaaagctc	tgagctgtca	gcaatggaat	gatcctcgtt	840
atgttctgtc	g					851

<210> 4380

<211> 1129

<212> DNA

<213> Aspergillus oryzae

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<400> 4380
tctcggcaag atgtggtgga ggcgccttcg gactaccccc aattggtcca ggggtggactg      60
gatgtaaaca tgccggatat tctgcgtcag attatctgcg gtgttcggta cctgcattca      120
ctcaagattg ttcaccgtga tctgaaacca cagaatatcc tagtggccat gccagagga      180
cgttctggag cgcggtcctt gcgtcttctc atctccgatt ttggcttgtg caagaaacta      240
gaagataatc aaagctcttt ccgagccacc acggcacatg ctgcgggaac atctggctgg      300
cgggctcctg aactcctcgt tgatgacgac aagagctcgg taattcaaag tactgagtcc      360
cagcataccg agtcttcgga gcctgctgtt gttgaccccc aaaccaaccg acgagccacc      420
cgtgctatcg acatcttttc tctgggttgt gtgttctact atgtcctgac caggggcagc      480
caccattttg acaaaaacgg caagtccatg cgcgaggcca atattgtcaa gggcaaccac      540
aacctcgacg aactcgagcg cctgggtgac tatgccttcg aagcccgca tcttatccag      600
tcgatgctgt cacttgatcc acggaacga cccgaogcca gctccgtcct gacgcatcca      660
ttcttctgga atccatctga ccgtctcacc ttcccttgcg atgtatccga ccatttcgag      720
ttcgaaccac gtgaccacc gtccgaagct ctccgtgtgc tggaaatccgt cgcgtcacgc      780
gtcatgggccc cagagatgga cttcttgctg cagctcccca cttccttcaa agacaatctg      840
ggcaagcagc gcaagtacac cggttcaaag atgctcgatc tctacgggc attacgtaac      900
aagtgccatc actacaatga catgcccgag catctgaagg cccacatcgg tggctctggc      960
gaaggatatt tgagtttctg gaccgtcaga ttcccgagct tactcatgag ctgtcaactc     1020
cgtatcgggg atctcaagtg gacgcggaac gaccggtttg aaccgtacct taacgtgccg     1080
gattaaaaaa atgttttgtt aatggatata tcgaataaat ttgataatg      1129

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<210> 4381
<211> 676
<212> DNA
<213> Aspergillus oryzae

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<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

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<400> 4381
cactactgct cttccaggtt ttttggttgg taaaaatgcc gcacgaaacg cccaatatca      60
cggcactcga accattccag gttctcagca agatcttaga ttttgcaaac gaggaccagc     120
gagactggtg gcacagtacc gggccaatgt atgccaaaat cctaaaggat gcaggctacg     180
gcattcatgc ccaatactca tatctctgtc tccaccacaa atgtgtggtt ccgtatctgg     240
gccctatccc gggaaacggc agagaccgat ggatgagcat cctcagccga ttcggtctac     300
cttatgaatt gagcctgaat tgctctaatt cggctcgtgcg gtttgcatte gagcccattg     360
gaccttttat agggactgag caagaccctt tcaatgcaca tgtcatctgg gaatgtcttg     420
ggaaactcgc gaagctgggt tctgattttg atctccagtg gtttgcccaa ttcaagaagg     480
atctggtttt agatgcagag gaaacgaagt ttgttagaga caacggctctg gacaagggac     540
aggttaagac tcagaacaaa ctangcgtgg acttgaaagg tggaaaattc gaggtcaaga     600
tgtacatgta tctttatctg aaatcggttg ctaccggcat tccaattgag cgactcatgt     660
ttgattcgat tcggaa
676

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<210> 4382
<211> 648
<212> DNA
<213> Aspergillus oryzae

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<400> 4382
ctttcccttc ttctcttctt cttgttttta tgctttgatt ttccttcgcg tctttcagct      60
ggcccttcca ccagcttcat tttcttttct cttccgccct actttatcat gtatttgaa      120
gctggaaaag cacaatgagc ggacttcgct accttgatct aatcaagccc tttacgcacc     180
tcctcccgga ggtggcagct cctgagacca aggtgccctt caaccagaag ttgatgtgga     240
ctgggttgac actcctgac ttcttggtca tgagccagat gcctctctat ggtattgtct     300
cctctgacac ttccgatccc ctgtactggc tgcgtatgat gttggccagt aaccgtggta     360
ccctgatgga attgggtatc actcccatca tctcctccgg catgggtttc cagctcctcg     420
ctggtaccca tcttatcgat gtcaagcttg acctcaaac cgaccgtgaa ctgtaccaga     480

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ccgcccagaa	gccttttcg	atcatcctct	gcttcgggca	agcttgtgtc	tatgtcttga	540
ctggtccta	tgggcagcca	agccatcttg	gggcccgtat	ctcgtgtctg	ctcaatgggc	600
aacctgggtg	gtgctgggct	tgggtggcatt	cttctggaag	aggtgctc		648

<210> 4383
 <211> 724
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(724)
 <223> n = A,T,C or G

<400> 4383						
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tatctcgccc	tcataccatt	tggtttcgtt	catccgcttt	tttctcgggt	ttcactgttt	120
ttctgtcgcc	cataatgtcc	ggatatgacc	gagctctttc	agtattcagc	cctgatgggc	180
acgtcttcca	ggtggagtat	gccatggaag	ctgttaagag	agggacctgc	gccgtcggag	240
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ataccgcgat	cacaccgtcg	aagatcgccg	tgctggacaa	ccatgccgtt	ctcgtcttcg	360
ctggattgaa	cgccgatgct	cgtatcctca	tgcataaggc	tagactagag	gcccagtccc	420
accgcttgac	cggtgaagac	cccgtcacca	togaatacat	caccaaatat	atcgccgggtg	480
tgcagcagcg	gtacacgcan	agtggaaagt	gttcgccttt	cgtattaaga	ccttgngtgg	540
gggttcgaat	ccgatgaata	agtgccagaa	tatatcagac	ggagccttcg	ggtattatct	600
ggttgaaggc	cacgctatcg	ccgtctagca	gactggtcgg	attctcaacg	caccccagga	660
tatttgaccg	gacaacgac	actaacatta	gtctgtggag	gcggccaccg	cgccagacct	720
aagg						724

<210> 4384
 <211> 755
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4384						
ccctcccatc	tccccactcc	tctcttcctt	ttttcttttt	gtgttttagag	cagagtacga	60
ctcttcatat	aatataatgt	ccgctaaagc	tgaatctccc	gcccccgctg	ctcctcagca	120
gtcagcggc	cttgetctct	actccagatt	cgccttcgct	ggtgctgtct	gctgctccgt	180
cacccacgga	gctcttactc	ctgtcgatgt	cgtcaagaca	agaatccagc	ttgaccccg	240
cacctacaac	cgtgggtctg	tgggtggttt	ccgtcagggt	attgccaacg	agggtgctgg	300
cgtctctctg	actggtttcg	gccctaccgc	cgcgggttac	ttcctccagg	gtgctttcaa	360
gttcggtggg	tatgagttct	tcaagcagca	gtggattaac	cagctcgggt	acgagactgc	420
ctccaacaac	cgcaccgctg	tctaccttgc	ctcttccgcc	actgccgagt	tcttcgccga	480
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ctctggatto	ggtcccatcc	ttttcaagca	aggctccctac	accatggcca	agttcgtcgg	660
tttcgagaaa	gtctctgagg	ctattttaccg	ccgttttcgac	aaagagaccc	tctccgatgg	720
tgctaagact	actatcaacc	tttgctcttg	tctta			755

<210> 4385
 <211> 675
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4385						
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atctggggcg	ccttggtgat	caggaactga	ccaagggcgc	tgacgctatc	gacgcccggg	120
ccgcgcgatt	ggccaagctc	aagaaaaagc	ctcgtgatgg	cttctcgaca	tacgagttac	180
gtatcaacga	tgtgattgtg	gagggcgcca	ttgcagttac	taatgcaatt	gcggaactga	240
ttaaggccgc	cactgagtcc	cagcaggaga	ttgttcgcga	aggccggggg	agctcatcga	300

gaacggcggtt	ctacaagaag	aataatcggt	ggacagaggg	actaatctcg	gccgccaaagg	360
ctgttgctac	ttccaccaac	actcttatcg	agacggccga	cggggtcatt	tctggtcgta	420
actctccgga	acaactgatc	gtggccagta	acgacgtggc	cgctagtacg	gcacagttgg	480
tggcggccag	tgcggtcaaa	gcatcggtca	tgagcaagac	ccaagatcgc	ttagaggcag	540
ctagtaaagc	agtcgggtgcg	gcatgtcggg	ctctgggtccg	tcaggtagacg	gacatcattg	600
ccgagcggaa	ccaggatggc	tcggagaacg	ttgactacgc	caagcttagc	tcgcacgagt	660
tcaaagtgcg	cgaaa					675

<210> 4386

<211> 663

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(663)

<223> n = A,T,C or G

<400> 4386

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tccgacctcc	gaacaagagt	cgcgttgtct	tattaaacaa	aaaggccaat	atgggtgggt	180
catttttcg	tctatgggtc	ttcctctgga	cgaagaagga	aatccgtatt	ctcatcctag	240
gtctcgataa	tgctggaaag	actacactac	tttacaggat	gaagatcggc	gaggttgta	300
cgacaatacc	tactatcggg	ttcaatgttg	aatcggtcac	atatagaaat	ttgaacttta	360
atgtctggga	tcttggagg	caaacgtcta	tccggccata	ctggcgatgc	tactacgcta	420
acaccgctgc	tgttatcttc	gtcatcgact	ccacagatat	tgaacgactg	ggtacggctg	480
cagacgagct	cgcagccatg	ttaaatgagg	aggaacttcg	cgatgccgct	ntgctggtat	540
tcgccaacaa	gcaggaccag	ccgggtgcca	agggagctgg	ggagatctcg	gaggctctga	600
agctgggcga	actgcgagat	agaaattgga	gtattgtggc	atgctcggct	atngatggta	660
agg						663

<210> 4387

<211> 650

<212> DNA

<213> *Aspergillus oryzae*

<400> 4387

ggttattttg	cttcgggtgg	caacgataac	aagctttttg	tgtgggataa	gctaaacgag	60
acgcccctct	atcgcttttc	tgaccacacg	gccgctgtca	aagcgattac	ctggtcacct	120
catcagcatc	atttgcttgc	ttcgggtggg	ggaacggccg	atcggactat	caagttctgg	180
aataacctga	ctggatcggt	gatcaaagag	gttgacacgg	ccagtcaagt	ctgcaacct	240
ccctgggtcg	aaaattcgga	cgaaattatc	agcacacccg	gctacagtca	gaatcaaattg	300
gtaatctgga	agttttccacg	tatggaacaa	atcgtatcat	taacggggca	tacgttccgg	360
gtcctgtatc	tggcattgac	ccccgatggc	caaacggctg	taccgggtgc	tggtgatgaa	420
actttgaggt	tttggaagat	ttttaacaaa	aggtccggaa	aagaccaagg	gcgtaaaaggc	480
accaagttgg	cggaatgggg	caccttccgg	tgattttaca	accgatatat	tggtgacct	540
tagtgctacg	gcttttttaa	attccccgca	agggttttta	ttttgcttaa	acacggcggt	600
cagggttttt	ggcggttttt	ctaacctggg	atttccttgg	cgggcccagg		650

<210> 4388

<211> 686

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(686)

<223> n = A,T,C or G

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<400> 4388
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tcattgacat tgtctgctac cgtaagcagg gtcacaacga gaccgatcag ccgtctttca      180
ctcagccctt gatgtacaag cgtattgccg ctcagaagaa tcagcttgac aagtatgtcg      240
agaagttgat caccgagggt accttcacta aggaggacat cgatgagcat aagaagtggg      300
tctggggaat gcttaacgac agctttgacc gtagcaagga ctaccagcct actggcaggg      360
aatgttgacc tccgcatgga acggattcaa gaccccaan ggagttggcc accgaggntc      420
tgcctaacct gccactggg tgtgnngggc ctcttcttga acacnttgct gacaaggtta      480
ccggtgctcc ggatggcctt tttctgcacc gaaacctcaa ccgttttttg tccaccccca      540
aaaggctgtg gatgaagcca aaacatcnac ttggctactt gcgaggctct ttgctttcgg      600
ttccttggtt cagaagggtc cacttcccgg tttccgggtc agatgtcacc ctgggttttt      660
ttcccgcgcc catccctttt tgatta                                     686

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<210> 4389

<211> 730

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

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<400> 4389
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acccttcttc ggtgccttgg gttgcacctc ggccatcgtc ttcacctgct tcggtgccgc      180
ctatggaacc gctaaggccg gtgtcggtgt ctgtggaatg gctgtcctca gacccgattt      240
gatcgtaag aacatcgttc ccattgtcat ggcgggtatc atcggtatct acggactggg      300
cgtgtccgtc ctgatcgca acgacttggc acagacggtc cctctataca ccggattcat      360
tcagctggga gcaggctctg ctgtcggtct ggctggctct gcagctgggt ttgccatcgg      420
tattgtcggg gacgctgggt tccgcggaac agcccagcaa cctaggctct atgttggcat      480
gattcttate ctcatcttcg ctgaagtttt gggctcttac ggtctcatcg ttgccctttt      540
gatgaactct cgggccaaga tcgatgccaa gtgctaagtc acatttgaca atcgttgtgc      600
gagatcttct cattaatcct cttcgcgcac ggagtatatt ggttggnatt ggtcaatgtg      660
acgtggtaaa cgccttgctc ttctgaacaa gaacgttctc atattgtcgc gagagccgaa      720
ataaacgcaa                                     730

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<210> 4390

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4390
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aggcctccga ggggcagtgc ttgacctaca gtggtctcgc gactcgagaa cgctcttctc      120
cgcgtcagcc gatatgacac tggcaagttg ggacctggaa actggacaaa gaatacgtcg      180
ccacgtgggt cagcaggaga tagtgaactg tctggatatt agcaaaaagg gccaggaatt      240
gttagtcagt gcaagtgatg atggttgtgt ggggatctgg gatcctcggc aaaaagacgc      300
tattgaatat ctggaaacgg aactgcctat tacttcgggt gccttgctcg aagcaggaaa      360
cgagatttac agtggcggca ttgataacgc gattcacgta tgggacctgc ggaaaaaatc      420
tatcaacttac tccatgacgg ggcacatgga cactatcacc tcattggaaa tttcgccaga      480
ctcgcagact cttctctcta attctcatga ttcgactgta cgcacatggg atatccgacc      540
ttttgcgcca acgaatcgac tcatgaagac gtatgaccgc gctcctgttg ggctagagaa      600
gaacctcggt cgagcaagct gggacccgaa gggcgaaaaga attgccgccc ggaagtgggtg      660
acacgagcgt ggtcctctgg ggatttaaaa ct                                     692

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<210> 4391

<211> 784

<212> DNA

<213> *Aspergillus oryzae*

<400> 4391

cctttgtcaa	cgattccgac	gcctgcgctt	tcaccatcct	tcgataatat	cgacttagtt	60
ttgtcaaate	ttattttctg	aatcacttca	aaaatggcac	ccaaggctgc	tgagaagaag	120
cccagcactg	gcggcaaggc	ccctgctggc	ggcaaggccc	ctgctgagaa	gaaggaagct	180
ggcaagaaga	ccgcggctgc	tgctctgggt	gacaagaaga	agcgtggaaa	gaccaggaag	240
gagacttact	cttcttacat	ctacaaggtc	ctgaagcagg	tccaccccg	tactggaatc	300
tccactcgtg	ccatgtctat	tctgaactcc	tttgtcaatg	acatcttcga	gcgtgtcgca	360
accgaggcct	ccaaactggc	cgcttataac	aagaagtcca	ctatctcgtc	aagggagatt	420
cagacctctg	tcagacttat	cctgccaggt	gaattggcga	agcatgctgt	gtcgggaaggc	480
accaaggctg	ttacgaagta	ctcctcttct	gccaaataag	tttttttctt	ttctgttggt	540
tgtttctttt	atgcaggatt	gtcttttata	acctcggtat	ctgttatggg	ttgagggtgg	600
gggtacaggg	tgttcgcggt	atttttaagt	cgtcacggga	tggctttggt	ttttccatt	660
gggccaaatg	tttttcatgg	ttttatttga	gacgtgaatg	cgttgtaaca	taactcggtg	720
ctcctgggtc	tggttgcgca	gtagcaactt	tcaaactagg	gttcgaaatt	tgaattactc	780
tgac						784

<210> 4392

<211> 663

<212> DNA

<213> *Aspergillus oryzae*

<400> 4392

ggaagtggct	gctgctgacc	ggtgtgtctc	tcagctgcgt	catctgtacg	aagtacgtgg	60
gtgtttttcac	cttcgtgacc	atcgggtgctg	cggctcatgg	tgacttgtgg	aatttgctgg	120
atatccgccg	tcctgccggc	gctctgagca	tgatggagtg	gaccaagcac	ttcgcagctc	180
gtggcttcgc	cctcatcgctg	gtgcctttct	tcttctatct	gttctgggtc	caggtccatt	240
tcgccatttt	gactcgctct	ggtcccggtg	acgactttat	gaccccgaa	ttccaggaaa	300
ccctcagcga	caacgccctg	gctgctgagt	ctatcggaat	ccagtactat	gatgcaatca	360
ccattcggca	taaggacacc	aaggctctct	tgcacagtca	ttgggaacgg	taccgccttc	420
gctatgacga	tggacgtatt	tccagccagg	gccagcaggt	gacgggatac	ccattcaatg	480
atacgaacaa	ccaatggcag	attcttccca	ctgtgccctt	ggaagacaat	gagggccagg	540
gccacagcgt	gaggaatggc	gatctcgctc	agctgcttca	cttgggtacc	gactcgatcc	600
tgctgaccga	tgaagttgct	tcccccttta	tccgaccaac	cagggattca	cgactgtgaa	660
caa						663

<210> 4393

<211> 704

<212> DNA

<213> *Aspergillus oryzae*

<400> 4393

ttctggaact	ctgccctggc	ggcgaactgt	tccatcagat	cgtacgggta	acctacttca	60
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agacctccgg	cgctcgccat	cgtgatatta	agccggagaa	tcttttggtc	tatcctattc	180
ccttcgttcc	aagcaagaac	cccaagcctc	ttcaacccgg	ggatgaagac	aaagtcgatg	240
aaggggagtt	tatccccgga	aagggatccg	gcggaatcgg	tgctattaaa	attgccgatt	300
tcggtctctc	aaaagtcatc	tgggacagtc	aaactatgac	tccttggtgg	actggtgggt	360
acactgcccc	agagatcgct	aaggatgaaa	gatactctaa	gagtgctcgac	atgtgggcct	420
tgggttggtg	gcttttacct	cttctatgtg	gtttaccgcg	ctttctacta	acagagctaa	480
taatccactt	actgaaaaaa	gtggatgctc	cgcctatac	aattatctat	gttgccatga	540
ttggcactca	acatctacaa	aattctgtta	aagactctgt	aactattcat	cttcagtcac	600
gcggctaccc	tacatatatt	caattatcga	catataagat	tattttggac	ggctgtattt	660
acaccccccg	ttttgtattt	gaatacga	gggtggcccc	cgtg		704

<210> 4394

<211> 646

<212> DNA

<213> Aspergillus oryzae

<400> 4394

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acctttgatg	ctattggtat	ctctcctctg	ctggttgctg	gtcttctgga	ttccaatggg	120
acgcgtgacc	attatattat	ttgatcatct	tcgtcgtcat	cccctcgctc	tctcatacca	180
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gatcaatctt	ctcgggtgtg	tactgtttgt	gattttttgac	tacttctttt	tggaaaaaac	360
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catcatcccc	ctggcttatt	tcattggaca	ggcgtcgtc	tcgatctccg	cacaatcctc	480
aatgggtatg	ggtgctgcag	ttaacgcttt	cttttcaacg	gtggtcggag	tttacctgta	540
ctgtgttgct	ttaaagcagg	gtaaaggcca	gcttggtgaa	ggtagtatca	taggtagtat	600
cttcgcaggc	atcctgtttc	tcccttggt	atctatgtgc	tttggg		646

<210> 4395

<211> 678

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 4395

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cctctcccta	taatttaatc	agtgcogttg	cacctgcacc	atggccgaaa	tccgtcgcaa	180
gcttgatcat	gtgggtgatg	gtgcctgcgg	taagacttgt	cttttgatac	tgctgaccgg	240
gacatgtttt	gcacagtgtc	ttctccaagg	gtaccttccc	tgaggtctat	gtccccactg	300
tcttcgagaa	ctatgttgcc	gatgtcgagg	ttgatggcaa	gcgtgtcgag	ctcgctcttt	360
gggatacggc	tggtcaggaa	gattatgacc	gtctccgccc	tctctcctac	cccgaactct	420
acgtcatctt	gatctgcttc	gcggttgact	cgcccgattc	ccttgacaac	gttcaggaga	480
agtggatntc	cgaagtgtt	cacttctgcc	aggggaactc	tattattctc	gtcggatgca	540
agaaggatct	tcgcaacgac	cccaagacca	ttgaagaatt	gaccaagacc	tgccagaagc	600
cagtcaccgg	cgaacagggt	gaggaagttc	gcaagaagat	ccgagcctac	aagtaccctc	660
aatgctctgc	acgaccaa					678

<210> 4396

<211> 734

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(734)

<223> n = A,T,C or G

<400> 4396

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ctagtcgatg	aattcctcaa	ctctcctcag	cgcacaaacc	aatccttgac	cgtcattttc	180
accacccgaa	gtcccaagaa	aggaaacgac	accctccaac	gcctccagga	ccatctccgc	240
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ctaaacaacc	tcgtctccgt	ccgcgccctc	tccgcgccgc	tgaacgatga	ataccccaaa	360
ctcgacgcca	tcatgtctaa	cgccggcatt	ggcggctggt	caaccctgaa	ctggccgcga	420
gccatctggg	gcgtcctcac	cgacctcgtc	cacgaagtct	cctggccctc	gtacaagatc	480
gccccgcgcg	gcatggtaac	agactaccag	accacaacgc	tagcagccca	agagccccgc	540
ctaggctccg	tcttctgcgc	aaacgtcttc	ggccactaca	tgctagcgca	caatgttatg	600

cccctgctgc	gacggtcagg	acagcccaac	ggccnnggccg	cgtcactctgg	gtctcaagct	660
tggaagccac	ggtgaagatn	gtcgacgtcg	acgatatcca	nggtctncgg	accacggcgc	720
cctacgaatc	ctcc					734

<210> 4397
 <211> 630
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4397						
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ggaagctacc	aggaggatgt	ctgggtcatga	ttcttccacg	gccgtttctt	ttaattgaac	420
atgactttct	ttcccttctc	atgcctagat	gatctttgca	tatatactcc	ggctattatt	480
ccctttttac	ttttttatct	ttcggcgtga	ttcatgtatg	cctagcactt	ctttttggtc	540
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<210> 4398
 <211> 1255
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4398						
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cattccttga	tattatttgc	gttacctggt	cgtactgtga	catataccta	ttgtgatacc	180
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cagctcaaga	actcgtctgt	cctgctcacc	gcgttgacgg	ccggttccgc	cgtcgcccgt	300
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gacgtcggca	acctcagcaa	tgatgcttgg	tccggctggg	atgtgtctgc	catccaggcc	1020
cagaatgccg	gtctcgatgt	ccagggcatg	aaaatctgca	cccacgacaa	ccaaaagtgc	1080
tcttccatct	ccaacttagc	caaggcgggt	gacaacgcct	acactgccct	agacgccggg	1140
aaagacggca	tcgggtggtg	atggcccgtc	ggccctctcc	gtctggttgt	cgacattgac	1200
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<210> 4399
 <211> 695
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4399						
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cgagcacccc	tttgagaagc	gcaaggcaga	agccgagcgt	atccgtcaga	aatacgctga	180
tcgcattcca	gtaatctgtg	agaaagtcca	gaagtcggac	atcgccacta	ttgataagaa	240

gaagtatctt	gttcctgcag	accttaccgt	cgggcagttc	gtctatgtta	tccgcaagcg	300
catcaaaactg	tctcccgaga	aggctatctt	catcttcgtc	gacgaggtgc	taccaccaac	360
agctgcactt	atgagcagca	tctacgaaga	acacaaggat	gaagatggct	ttctttatat	420
cacgtattcc	ggggaaaaca	ccttcggcga	tctttaagct	ctgataagca	gttctcccaa	480
gatatgtaac	tgcttcgccc	tcagtatgtg	ttttgtttta	gggccgggtg	tgtgaccagc	540
cactccggta	tgaggcgaat	gagctggtta	gaccttgcgg	cgattcttca	tgtgtgcagg	600
cgtaaataac	agggttttccg	tattcccttt	atgaccttta	tggcaaagac	tttatcacta	660
ttatggttta	aatgcaaact	acttttgata	tgatt			695

<210> 4400

<211> 709

<212> DNA

<213> *Aspergillus oryzae*

<400> 4400

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agaagttcat	ctctgcttac	tctgcgttct	tgaagcgtca	gggaaagctc	cccatccctg	180
gatgggttga	caotgtcaag	acctcttget	ccaacgagct	ccctccccag	aacgctgact	240
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acgtcgatgc	ctccggctcc	gtcgaccgca	aggtcatcca	gtcccttgag	aagatcgggtg	420
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ttgaccgtat	cgccaagacc	accgttgacg	aggaagagga	ggacgacgag	taaattagcc	540
tcggattaaa	ataatgaaaa	agtctgatg	tgctccacgt	tgctctcttt	ttccttcatt	600
tttccctctg	gatcttaaac	ttccgggaaga	aaaatcaggt	gaaaaacggt	cgagtacgct	660
tcgtcggcat	ggatcgagtg	ggattgatgg	ctttggactc	acggagagg		709

<210> 4401

<211> 1056

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1056)

<223> n = A,T,C or G

<400> 4401

agagtcactc	gttcgatccg	cacgaggctc	gggatcatte	gtctatggac	acgttgataa	60
tcttaccagc	tggccaaccg	gctgggcctt	cgctctctcc	tttttggccc	ctatctggtc	120
cattggtttc	tttgattctt	gcgtgcatat	gagtgaggag	gcgctccatg	ccgcgaaggc	180
tgtgccgctg	ggaatcattt	ggtcggctgg	ttgtgcaact	gtgttgggct	ttttcgtcct	240
gtcgatcatc	gcagcctgca	tgaaccggga	tgtgagcgcg	acaatgaact	ccgtgtacgg	300
ccaacctatg	gcgcaggctc	acttcgacgc	actgggcaag	aaaggagccc	tcggcttcat	360
gggcgtgctg	atcgtcatcc	aattccttat	cggtctcagc	ctgatcgctg	ccgcctcccg	420
ccaagtctgg	gccttctccc	gtgacggagc	cctgcccttc	tctggttatt	tccgccatgt	480
cagcaaaccg	gtccgctacc	aaccgcgtccg	tgccatcatc	ggcctggctg	tcgtctgcat	540
catcttcggc	ctgctgtgcc	tgatcaactc	cgttgcccgcg	aacgcactgt	tctccttggt	600
cgtagcctcc	aattacgtcg	catggggcac	acccatcctc	tgccgcctga	tctggggcaa	660
gacgcgcttc	cgaccgggcg	aattctacac	tggaaatcttg	agtcgtccgc	tggccaacgat	720
tgccgtcgte	tggttggtgt	tcggtttgat	cttgtctatg	ttccccagca	cggggccgaa	780
tcccagtgcc	caggatatga	actacacaat	cgatcatcaat	ggcttcgtgt	ggatcgccgc	840
gatgacttac	tatgttcttt	tcgcgaggag	atggtacacc	ggaccaaga	tgaccatcga	900
tgcgccaccg	agtgcaacgg	attctgcgtc	cggggatgag	ggaagagttg	agcagaaggc	960
ggagtagagt	tggagtaatt	gtttaattat	tattatacct	ttggcgntgt	attttcttaa	1020
agcgaggctt	cacttttcta	taccttttta	gaatat			1056

<210> 4402

<211> 667

<212> DNA
 <213> *Aspergillus oryzae*

<400> 4402
 cattcctctc taccttgaat ccttcccttt ttccctcttc ttccctagaa cccctacac 60
 acaattcaca atgagcgacg gaacaaacgg tgccccggag cgtttcgcta tcggtatctc 120
 ttttggcaac acctccagtt ccattgcccg catcaaccct gagggcaagc cggaggttat 180
 cgccaacgaa gaaggagatc gtcaaatccc ttccgtcctt tcatacattg atggtgagga 240
 gtaccacggg actcaagcca aggtccagtt ggtccgcac tcccagaaca ctgtcgcata 300
 gttcagagat taccttggca aggacttcaa gtcgatagac tccacaccat gccataactc 360
 ggcgcacctc cagcctcacg agtctaccgt tgctttctcc attgtggact ctaccaacga 420
 tacccccagc actgtcaccg tctccgagat tgcacccgtc atctccgtcg tctgaatcag 480
 tccgcctctg actacctggg caaggaagtc aatgccgcgc tcatcactgt caccactgac 540
 ttaccgatg ctcagcacga tgatttgaac gcctctgcta acgctgctgg agttgatgtc 600
 ctccatgtca tcaatgacac tgtatgcgct gccctggctt acgatgccat acccgacggg 660
 actgttt 667

<210> 4403
 <211> 690
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(690)
 <223> n = A,T,C or G

<400> 4403
 ccttaccctc ctctcccatc tatcttctcc ttccctccca ggctcgctatt acttggtgcg 60
 acttactcct ctatatcatt taactcacct gcatacccac ctaataatac cttcttgttt 120
 cctttgattg ttttacgttt ggagctctgt tgacagagta attagccatc atgtcttcta 180
 ccgctcctct tgtcaacacc gacaatggcg gctctgccaa tgacaacatc acccgcttcg 240
 cccccccag ccgtgtgctc tctcctctca accatgccct cttccacaac aagaccagat 300
 gtttcgtata tggatgcag cccaaggcgg tgcatggcat gctcgacttc gatttcactc 360
 gcaagcgag cacacctca gtcgcccgtg tcatctacac ttccgggtgg caattcgtga 420
 gcaagatgta ctgggggtact agcgagactt tgctccctgt ctaccangac gtttccaagg 480
 ccatggccaa gcaccccgat gttgacactg tagtcaactt cgctcctcc cgttcggtgt 540
 acaactttac catggaattg atgaactggc ctcagattaa gtccattgnc atcatttgcc 600
 gaggggtgtc caaaaagacg cgctcttgag attcttggtta ctgttaagag aaaggcttaa 660
 cattaattga ccccgctccc cgtgaagtat 690

<210> 4404
 <211> 710
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 4404
 gatataaagg cgtttgtcct tgatttattg ccatttgttt ccactcttct agttttcttc 60
 ccttttcttc tttttgttga tttttacca gcccgattt ccttgtcagc ctctttcaaa 120
 aggctgtca agtcacatct cctttttctt tctccgcctt tttgcctttc cgttcggtcg 180
 gagccccaac ggtcgacatc accgctatct cacctctttt caccgcctc tttctacaag 240
 tctttgtgat cttgcagcca cagccgtcag ctgtgtgtgc ttttactcaa gatgacgacc 300
 atggatttgc gtgtcggttaa caaataccgc attggccgca agattggaag cggtagcttc 360
 ggtgatattc atcttggaa caatatcatc tccggtgagg agattgccat caagctcgag 420
 agtgtcaagg ataagcacc ccaacttgag tacgaggctc gtgtttacaa gtctcttgct 480

ggtggtgtgg	gcattccctt	cgtccgttgg	ttcggtagtg	agtgcgacta	taatgctatg	540
gttatcgacc	ttttgggtcc	tagtctggag	gatcttttca	acttctgcaa	ccgcaagttc	600
tcgctcaaaa	ccngncttct	cctggctgat	caactcattt	cccgcacga	gtacatccat	660
gccaaagtctt	tcattcaccg	cgatattaag	cccgcacaact	tcctgatggg		710

<210> 4405
 <211> 676
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

<400> 4405	
ccgcattcgg	gtaaggggct
tgccctttta	actcaacttc
acggactttt	caaggtcgcc
aggagggtgt	taacgatctt
cattcgagaa	caacaagatg
ccgatactct	tatttccttt
ttgttctggg	cgttctggac
ttgactgcga	aaccggcgac
ttcacgctac	taagttgctg
gtcttggtca	cgcttactcc
atatcatcca	agctattgcc
tgagggttcn	ggagtg
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	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	676

<210> 4406
 <211> 731
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4406	
gttcaatgac	gagattgttc
gaagaatggt	gtggcgatc
cggcaagatt	cggttcagcct
tagccaaatt	accgacggcg
gctgggccag	ccaattctgg
aatcatggga	attggctcct
caaggatgac	attgatatct
tgttcaaaaa	ctcgggtcttg
cggccaccg	ttgggatgca
gcgacagaac	aagatagtg
tggtattttc	atcgctcgac
agtcatgata	tgtaatatg
cacgaaccgt	a
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	731

<210> 4407
 <211> 707
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4407	
cgagggtcca	gcacgacaac
gtcactctcg	gccctctggc
gcctccttca	acgatacctt
cgtgtcaccg	gtggatgaa
atgttggtcg	ctcaggatgt
	60
	120
	180
	240
	300

atcaagatcc	gtgctaccgg	tggtaacggt	accaagaccc	ccggtccccg	tgctcagtc	360
gccctccgtg	ctcttgccc	ttccggcatg	agaatcggcc	gtatcgagga	cgtcaccccc	420
actccctccg	actctactcg	tgcgaagggt	ggtcgccgtg	gtcgctcgtc	ctagatatgt	480
gcgagcgtat	cttctccaac	ttgtgcaagt	ttcttgccctg	gctggatggg	aggctatcag	540
cagagtactc	tgcctgcgga	tgtggatgga	ataaacgcga	agaacggcct	ttatcgccctg	600
gtcttcaatt	tttttcatat	ccaaaaaagt	ttctacttgg	ttttgggcat	cagtagtctc	660
tgaaatagca	gctacgtttc	gtcaatatatac	ctcgactaga	accgtat		707

<210> 4408
 <211> 704
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = A,T,C or G

<400> 4408						
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acgttcaaag	gtcgtgagat	tttaagaagc	acaaaggaac	tggcagaatc	gaagcagttg	120
agggtcattt	acggtgatac	cgactccgtc	atgatcaaca	ccaatatgga	tacgctaagc	180
gacgcgctga	aggctcggaga	ggaattcaag	aaatctgtga	atgaaagata	ccggctttta	240
gaaatcgata	ttgacaatat	cttcgcgtcg	ctgctattgc	atgccaaaaa	gaaatacgcc	300
gctataaaca	tgacggagat	ggatggcaaa	tatgtggaca	agttggaagt	caagggnttg	360
gacatgaaga	ggcgtgaata	ctgcgccctg	tcaaaggagg	tgtctcagag	gctcttgaat	420
gaggttctct	ccggcgaaga	ccaagagatc	gtcctcaatc	gggtccatga	ctatctacgt	480
gacttggccg	ggaagatgcg	agaattcgcc	gttcccgtcc	agaaatatgt	catttacact	540
aaaactctct	aaacgaccgg	agaatatattc	taacaaggag	acgatgccgg	ctgttcattg	600
tgccctccgg	gagcttgccc	gcggaagtca	ttccggccaa	acgatgttat	ctcttacatt	660
gtgacaagtg	gtggattttg	aacatncttc	cttgccgccag	caag		704

<210> 4409
 <211> 545
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4409						
caacctacaa	cgagcggaag	aacctcccta	ttatctgctg	gttattggag	cgcaccttcc	60
gtgaaaacaa	cctggactgg	gaagttgtca	tgcgcagca	tggctcccc	gacggcaccc	120
tggaagtgcg	caaacagctc	caggagctct	ggggccccga	acatatcaac	ctgaagcccc	180
gtgaaggcaa	gctcggcctt	ggaaccgcct	acgttcacgg	tcttcaatac	gccacgggca	240
actttgttat	cattatggac	gccgacttca	gccatcacc	caaattcatc	ccggagatga	300
tccgcattca	gaaagaaacg	gaagccgaca	ttgtcacggg	cacgcgggat	gccaatcgcg	360
acaacatcaa	gggcgggtgtg	tacggttggg	atctatttctg	gaagttttacg	tgcgcggacgg	420
ccaacctcat	cgccgatgtc	atgctcatgc	ccggtgtgag	cgatttgacg	ggcagcttcc	480
gcttgtacaa	gaagagtgtg	gtggaaaaaag	gaatcccttag	cacaaaaaca	aggggacagt	540
ttcca						545

<210> 4410
 <211> 708
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 4410

gggacgaaca	ggcgcaaaca	tactgtgatg	cgaccatcga	cgagtacgag	gaaagtgttc	60
atgtctgcc	caagggatac	atctccatct	tccccttcct	caccggcatg	gtgagctctg	120
atagccctcg	cttaaaagcc	atcttagact	tgatcagcga	cccagaagag	ctctggagcg	180
atthttggtat	tgcagctcta	agtaagaagg	atgagttcta	tgggactgct	gagaattatt	240
ggaggagccc	tgtatggatc	aacatcaatt	atctggtggt	taagaacctt	tatgacattg	300
cgaccacacc	tggtccacat	caagaacagg	cccgtgaaat	gtactctaag	ctgcggaaga	360
acgtagttaga	gaatgttttc	aaggaatgga	agaagaccgg	gtttgcttgg	gaacagtata	420
acccagaaac	aggtaaggga	cagcggacgc	agcatttcac	tgggtggact	agtatggtgg	480
tgaatatgat	gtcgatgccc	gatcttctcg	cgactgagag	caaggggcat	gatgagctat	540
agaacagcaa	cactcgctgc	gtagcgcgatg	gtttaggata	gggaataacta	cttgtacact	600
ntcnanannnn	anngnannnnn	nnnnnnnanna	nnnnnnnnnnn	nnanaannnnn	anannnnnnn	660
nnnnnnnnnnn	nnnananatt	ttttgcggcc	nttaaccatg	ctttttaa		708

<210> 4411

<211> 658

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 4411						
ggaattttttt	tttttttttt	ttttcgctccc	ataagaataa	cccccatatt	gcaattatttt	60
cgcaactatc	gaaaccacat	ccccatccgc	caaaatatgt	gccaatccca	cccgttgccg	120
gatatgccgc	gcacttgac	cccacaccaa	agcatattta	aacgattctt	tcaacgtccg	180
gtgaacgtta	tgcagacgt	cctcgatggt	aaaattgccc	cgtacaatca	acgcttcgct	240
gaaatcgggc	tcctccctt	tcogtttcgt	gtaaattcgg	atcaaacgaa	tttctttcca	300
gatccgctca	accacctct	gaacgcgcgag	gtctatttca	aaactcatca	cgggggtatg	360
tggttcacgg	gcgatttgat	tcaggaagtc	aagactgatg	ctgtcgatct	tggtanaaac	420
gtagagacat	ctgatgtatt	ttcggtgacc	tttcaggatg	acgtcgatga	attcgtcaat	480
cgttcggtaa	tcattctcga	tcagaacttc	acagttcagc	atcttgtaat	cacggaggac	540
tttgaagatg	accttccgc	caaggtattt	cgggggattc	tggaagggtga	tcttaactcc	600
gccctgcttt	ctttttgttt	gaggtaaatt	tttgagggcc	ccttggttaa	acaaaatg	658

<210> 4412

<211> 900

<212> DNA

<213> *Aspergillus oryzae*

<400> 4412						
gatcagctga	tcaatcgacg	aggccatgtc	ggcctctccc	tcgcaacct	cccgtacttc	60
gacgccaaga	cgaagggcct	caacttcgac	ggcatgctga	acggcatccg	cgaggccccc	120
gccggctccg	tcattctcct	ccacgcctgc	gcccacaacc	ccaccggtgt	cgacctcact	180
caagaccaat	ggaaacagct	cgccgtcgtc	atgcgcgagc	gccgccactt	ccccttcttc	240
gataccgcat	accagggttt	cgctcggggc	gacttgaacc	gcgacgcctg	ggcgggtgca	300
tacttcatcg	agcagggtct	cgagctgtgt	gtcgcgcagt	ccttcgcgaa	gaacttcggt	360
ctgtacggtc	agcgcgcggg	cgcgttcac	ttcgtctcgg	cccccggtgc	caccgccaag	420
aacgatatcg	ccaatgtcgc	cagtcagctg	gccatcctgc	agcggtcgga	gatttcgaat	480
cccccggcgt	acgggtgcac	aatcgccagc	cgcattctga	atgacgctac	cttggtcgcg	540
gagtgggagc	aagacctccg	gacgatgagt	ggacgcattg	cggagatgcg	gaagggcctg	600
cgtgagcgtc	tataggccaa	gggcacaccg	ggcacatgga	accatgtgac	ggatcaaatac	660
ggcatgttca	gtttcacagg	cttgagtga	gcacatgtca	agttgttgcg	ggagaagtgg	720
cacatctatg	tgacaaaaaa	tggccgacta	tctatggcca	gccgtcacac	acataacatc	780
gaatacttca	tagagggtgg	cgacagtgtc	tgccggggaga	catcgcaaaa	ttgatttgcc	840
tgtacgtgat	atcattgatg	ccatgtgcac	tgtattcgca	ttaacatagc	gtttatatat	900

<210> 4413

<211> 676

<212> DNA
 <213> *Aspergillus oryzae*

<400> 4413
 cgacaccctc ccgtccgtta cctctccccg tacggttcat tttcaatcgc catatatatc 60
 caacatggct gacgtgctc ctctggagc tggaggattc gggtcccgcg gtgaccgtgg 120
 tggtagccgt ggccgtggcc gtggctcgtc tggctcgtcg gccggcaagc aggaggagaa 180
 ggaatggcag cccgtcacca agctcggtcg tctcgtcaag gccggcaaga tcaccagcat 240
 ggagcagatc tacctccact ctctgcccac caaggagtac cagattgtgg acttcttctc 300
 cccaagctc aaggatgagg tcatgaagat caagcccgtc cagaagcaga cccgtgccgg 360
 tcagcgtacc cgtttcaagg ccgtcgtcat catcggtgac tctgagggcc acatcgggtc 420
 cggatatcaag acctccaagg aagtcgctac cgccatccgt gccgtatca ccattgcca 480
 gctcgcgctt ctccccgtcc gtctgtggtta ctggggcagc aaccttggtg agcctcactc 540
 tctgcccggt aagcagagcg ccaagtgtgg ttccgtctcc gtcagactta tccccgtcc 600
 ccgtgggtacc ggcttgggtg cctcccccg cgttaagcgt ctgcttcagc ttgccggtgt 660
 ccaggtatgcc tacccc 676

<210> 4414
 <211> 673
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4414
 cgcagctttc gaggtcgaca actaatcgc caaaatgggt cgcgttcgca caaagaccgt 60
 caagcgggtc gccaaaggtc tcattgagcg ttactacccc aagctcacc ttgacttcga 120
 ggtcaacaag aagctttgcg atgaggtggc catcattgcc agcaagcgcc tgcgcaacaa 180
 gattgcgga tacaccactc acttgatgaa gcgtatccag cgcggccctg ttcgtggtat 240
 ctccctcaag ctccaggagg aggagcgtga gcgtaaggat caatacgttc ctgaggtctc 300
 cgctctcgac ttcagccagc actccgagac tggcaagctc gacgttgacc aggacaccaa 360
 ggatctcctt aagagcattg gtttcgactc tatccccacc aacgtcatcc aggtttccca 420
 gcagcaggtc tccgaccgtc cccgccgctt cgcccggtaa atagttagtc gtgcaggatg 480
 acggataagg gaacacaaa aaaatgacat gaaacgggtta catccctcgg ggaatgggtg 540
 tggtagatg gctactttca aggatgggtta atggcgtcaa aagacttcag gaatagttac 600
 tttggggaaa taggttcgg gcactcttag gatgagaaat gatacgccag gcccttttct 660
 cccaaaaaaa aaa 673

<210> 4415
 <211> 678
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

<400> 4415
 cggtagacta ccgtacggca ggacacattg tagacgatga catgcacgct attatggtac 60
 gcccgctgca accgggtggt cgactgaccg ctattttcga ctccctgccac tcgggtactg 120
 ccctggacct tccttacgta tactccactc agggatttct gaaagaacct aatctcgcca 180
 aagaggcggc ccaggacctc tttagcgcca ttacgtcgta tggacaaggc gacttcgcta 240
 gtgtggccca gactgaatt ggcttcctca agaaagctgc cctgggcgag tctgctcgcg 300
 aacgaaccgt taaaaccaag acttccctc cggtatgtct catgttttca ggttccaagg 360
 atacccaaac ttcagcggat accttcagg acggacaggc tcgaggtgca ttgagctggg 420
 cctttatcaa gacgttacaa gcgcgtccaa accagagcta tttacaactg cttaactcga 480
 tccggtccga attagaaggc aaatacagtc agaagccgca gctgagctgc agccacctc 540
 tagataccaa cttgctttnt gtgatgtgat atgtactgta tgagacatga tgtatgcgta 600
 gtttcttttt ggggtttacac gatttatgat gttcaatagc atttgcattg gccttcgagc 660
 aaagccca ccatgttt 678

<210> 4416
 <211> 655
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(655)
 <223> n = A,T,C or G

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<400> 4416
ctcgacctcc ctttgtcact tectctcttt cctctccatt ccccaactgc ggatctcacc      60
cgctaaccgc taccatgccg atgctcaaag atccctcaaa aaagtacaag cggtttaagc      120
cgctgcatct ccccgatcgc caatggccca acaaggatcat cgaaaaggct ccccggtggc      180
tggccaccga tctaagagat ggcaatcaga gcttgccctga tccaatggat ggtgaacaaa      240
aattccgctt ctttaaaatg ctcgctcgata tcggctacaa ggagatcgaa gtttcattcc      300
catctgcctc acaaacagac ttcgacttca ccaggcgtct ggtggagact cctggcgtcg      360
ttccacatga tgtatggctc caggtttctgt ccccttgctg tgaggacctc atacgacgca      420
cgggtggactc tctaaaagggt gcgagaagg ctatactgcg catttaccta gctacaagcc      480
catgcttncg tcgaattgtc ttaaaatgga caagcataag aatttcggaa taggttggcg      540
ctggaaccaa tgtgcacgtt cgatcactaa agatgaaccc ttgaacggcc gtccccaatg      600
ggactttcag ggtctccccc gaaaactttt ttgaaaccga accccaattt tgccc          655
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<210> 4417
 <211> 653
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4417
agaaggctctc gtccatcccc tgtttgatcc cttgcgcaat cgaccaagat ccttatttcc      60
ggcaatgtcg tgagaacgcc gaaaagatga agtacaagaa accgtcgctg atccatgcaa      120
tcttcctacc tgcccttcaa ggccccggct ccaaaatgtc cgctagtgtg gacacatccg      180
ccattttcat gaacgataca ccggccccgta ttaagaacaa gatcaacaag tacgccttct      240
cgggcggcca agacactgct gaactccagc gtcagctcgg cggaacagc aaggctcgatg      300
ttcctttcca gtacctcact ttcttcctgg aggatgatga agagcttgag cgcattcgta      360
ctgcatatga gaaaggagag atgctcactg gcgaaatgaa gcagagggtg attgctgagc      420
ttcaaacta tgttaaagggt ttccaagagc gcagggccca ggtaaccgag gagatgctca      480
aggagtatat gagtactcgt ccactagagt ggaagggtaa cccaaccca attgttgctg      540
agaagaaata aggcaagtgg tactttcgag ccactgcagt tttagacgaa tttgtttaga      600
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<210> 4418
 <211> 692
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
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 <222> (1)...(692)
 <223> n = A,T,C or G

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gcaaacacta ttcgtgatca gccacgggca gagtttgatt attcttctat cccacatttc      180
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gtacctgttg ttttgatggt tgggcgtgcc cactactacg agggctcatt catcaaccaa      300
gtgacattcc ctgtccgagt tttcaagttg ctgggggttg ataccctagt gttgactaat      360
gctgcggggg ggttgaattc agagtatgcg gttggcgaca tcgtattatt gaatgatcat      420
attttcttag ccggtttggc aggcactcat cactccgag gaccgaacgc cgaagagttc      480
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gctttccntg	gaagacccaa	ttactaaacc	aagggccaat	gccgcatgct	ttacaaactc	660
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<210> 4419
 <211> 821
 <212> DNA
 <213> *Aspergillus oryzae*

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 <211> 1145
 <212> DNA
 <213> *Aspergillus oryzae*

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<210> 4421
 <211> 701
 <212> DNA
 <213> *Aspergillus oryzae*

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aacgcagtga	cggtcacgtt	tgtcttggga	atggatgttt	ttttcagctg	ggctatctgt	660
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<210> 4422

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

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<210> 4423

<211> 1446

<212> DNA

<213> *Aspergillus oryzae*

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<211> 690

<212> DNA

<213> *Aspergillus oryzae*

<400> 4424

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atttcgggcc	tattggctct	gaaagtcgtg	atgggatcaa	atactttgct	tgaccgcgcg	240
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<210> 4425

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<400> 4425

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tgctgtaaac	aaaatgagca	accttctggg	gaaaggcgcc	cgtctccga	aaagagggcc	600
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<210> 4426

<211> 702

<212> DNA

<213> *Aspergillus oryzae*

<400> 4426

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gatcgagaga	gggggtctta	gggacgtgag	gtatctgtga	gaaacatgca	gacccaaggt	660
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<210> 4427

<211> 837

<212> DNA

<213> *Aspergillus oryzae*

<400> 4427

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<210> 4428

<211> 699

<212> DNA

<213> *Aspergillus oryzae*

<400> 4428

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ccagtacaat	gaggagccta	ctactaacat	tggccctgac	cggggaccgg	ggtttcaaac	660
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<210> 4429

<211> 685

<212> DNA

<213> *Aspergillus oryzae*

<400> 4429

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<210> 4430
 <211> 673
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(673)
 <223> n = A,T,C or G

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<210> 4431
 <211> 731
 <212> DNA
 <213> *Aspergillus oryzae*

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ggaacgccgg atacttcggg tgtattttcc aggtccgggc gccagttgcc taaggctcag	660	
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<210> 4432
 <211> 1358
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4432		
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gcgggtccga gcaactcgtt cgtctctccc acccaggcct tccgtgcttc ggctcgtcgc	180	
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gctgttgccg gtgggtgctg tgcatacttc tacctgcagg gcggcgattc cgtcagctcc	300	
aagaacttcg tccccaccaa ggaggactac cagaagggtg acgacgagat tgctcgtcgc	360	

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tcatattact	ttgccatgta	tctgtggagg	atatccacag	gcaattggaa	gtttggtaga	1320
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<210> 4433

<211> 592

<212> DNA

<213> *Aspergillus oryzae*

<220>

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<222> (1)...(592)

<223> n = A,T,C or G

<400> 4433

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ttttgttaga	catggacttc	ctttcttcag	ttttccggtt	tctgtcgata	cggtgacagt	540
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<210> 4434

<211> 655

<212> DNA

<213> *Aspergillus oryzae*

<400> 4434

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aaagagaaat	cctagaatct	attgggggtac	ggcaacgaca	ggaagaccac	atatcggata	180
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gctgcgcgat	gtccatgcct	tccttgacaa	cctgaaggct	ccgcttgagc	ttgtggagaa	300
ccgtgctcag	tactatagaa	agatcattac	ggccattctc	gagtcgtctg	gcgtgcctac	360
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tgacgaagag	cacctgaagg	ttgatgttca	gctgggaggt	atgggccaag	agaaagctct	600
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<210> 4435

<211> 1376

<212> DNA
 <213> Aspergillus oryzae

<220>
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 <222> (1)...(1376)
 <223> n = A,T,C or G

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 cgcggtctac ttccagccga aatgcgcccc gtgcggtcca gaagcagtcg tctgctgccg 180
 gcatcaacag ccgtcgaagc atggcctctg ctgcgacccc aggcctccag tacgatgtca 240
 ccgagggtgc tggcggtgaag ctgcgccaata gagaagtagc cggtcctaca gcaaccctgg 300
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 aacaatttgc cttcaagtcc aactcacaac ggtcggcggt gcggatcaac cgggaggttg 420
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 ctctggcaaa gtcccggtgt cttgagtcgg ctcaaacct taaaaacggc cttgaagcca 1320
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<210> 4436
 <211> 668
 <212> DNA
 <213> Aspergillus oryzae

<400> 4436
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 gaacgcccga gagaagaagc gtgtggactc tcaggtcaag attctcatcc gcccttcta 180
 ctgaacccc cctatccacg gtgcccgtgt tgctccacc atcatgaacg accctgagct 240
 caaccagcag tggttgggag aggtcaaggg catggccgac cgcattcatt agatgcgctc 300
 cctgctccgg aaaaacctgg aggagctggg cagcaagcac gactgggtccc acatcaccag 360
 ccagattggt atgtttgcct acactggtct caagcccagc cagatggacg ctcttgccaa 420
 ggagcactcc gtctacgcca ccaaggatgg gcgtatctcc gttgccggta tcacctctga 480
 caatgtcaag agacttgccg agtctatctt caaggtgacc gggtaaagaa aggatgttga 540
 ggctggactt tatccttaaa atacatagat ctggcggggt gtggcccttt gtattgatat 600
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 tgaaaaaa 668

<210> 4437
 <211> 1248
 <212> DNA
 <213> Aspergillus oryzae

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 aattagtata ttagtcgctt ttattctttc gccgttttt ctogaattgc caccaatcta 120


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cctttcgtct ccattgaaca ttttagcgct ttccaggat acggtatcat tcggttttta 180
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<210> 4438
 <211> 1357
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1357)
 <223> n = A,T,C or G

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caggctataa caccaaccgc ggatcttaca catacactac caacccttct gttggaagct 180
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<210> 4439
 <211> 1056
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4439
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gaggccaacg actatggatt ggtgaaggct gatggtgaca gcgtcaagac tcgcatgac 240
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<210> 4440

<211> 640

<212> DNA

<213> *Aspergillus oryzae*

<400> 4440
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gacgcttatt gcagttgggt ttgggactgg tgggtgcta 640

<210> 4441

<211> 659

<212> DNA

<213> *Aspergillus oryzae*

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aatgtatgga tatcggaac agcatggaac tgacattcgg attgcccgtg ttttcaacac 600
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<210> 4442

<211> 735

<212> DNA

<213> *Aspergillus oryzae*

<400> 4442
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<210> 4443
 <211> 652
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4443
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<210> 4444
 <211> 904
 <212> DNA
 <213> *Aspergillus oryzae*

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 cagaatcggc agaaaccgcg gtctgggtaa gcgtaagggt accaaggagg cccgtatgcc 300
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<210> 4445
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 <212> DNA

<213> *Aspergillus oryzae*

<400> 4445

gtacggggcac	attactattg	gcctccaact	tgcgcgagta	cgatttctga	agagaaagaa	60
cgaaactact	gcccgcctatt	tcgccaataa	tcaatcctat	gaatggtaat	ccgctcacac	120
caccgggtcat	gccataggtg	ccttggaaga	caattgggta	ggccgacagc	agcgcataag	180
ccagtccata	aatgaaggac	atgtacaagg	tcagaaggaa	ggcgatgggc	tcggtgaaca	240
agatcaggaa	aggccgcgca	aggttcttgg	tcaccagctc	ccggaaatcg	atctcgtgtt	300
catcctgccg	tgcgtggata	ccccagttcc	tggtttgacg	gcgcaggatg	gctgcttttt	360
gcattaatac	aacgggcacg	tacgtctcct	gtgcaaacag	cgccatcaag	atcaagctaa	420
agaacccgac	aaaggccggt	atatagaacg	tccaccgaca	gcctaaatag	ctctctgcag	480
tgaacccgcc	gatgaaaggt	gctgtgaaag	gaccggtaaa	cacagacatc	gtatacacag	540
cgatcgcgac	acctcgatga	tggttattga	acaggttcga	cagactggcc	gggacaagag	600
cgatgacact	agcggcgcaa	aaacccgcga	agaaacgtgt	caacataatc	gtttgcgtgt	660
ctttcgccgt	cgccccagg					679

<210> 4446

<211> 516

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(516)

<223> n = A,T,C or G

<400> 4446

agcaatggct	gaccaggagc	aacagactca	gagaaagaga	accttccgca	agttcactta	60
tcgtggcatt	gacctcgacc	agcttttgga	cttgtcctcc	gagcagttca	tgagagcttg	120
ccatgcccg	gcccgcagaa	gattccaacg	tggtcttaag	cgcaagccca	tgggcctcat	180
caagaagctc	cgcaaggcca	agaaggaggc	tagccctaac	gagaagccc	ccaccgtcaa	240
gaccacctc	cgtgatatga	tcacgtccc	cgagatgatc	ggctctgttg	tcggtgtcca	300
caacggcaag	accttcaacc	aggtcgatat	caagcctgag	atggtcggtc	actaccttgc	360
cgagttctcc	atctcctaca	ngcctgttcg	tcacggtcgt	cneggtattg	gtgcaccac	420
tcttcccgtt	tcgttcctct	caagtaaatt	gagaaaggca	tgtcgatttg	gatgcgtatt	480
gtgggataaa	aacgcacaac	tctctgtttt	cgccan			516

<210> 4447

<211> 1081

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1081)

<223> n = A,T,C or G

<400> 4447

ccgtatggta	ttaagatacc	ctatatcttc	gttacaaatg	gtggaggcaa	gaccgaagag	60
gaacgatgct	tgatcttaag	ccagcaacta	gagctggagg	tctcgccggg	ccaattcatt	120
tgtggccaca	ctcctatgcg	ggagatggcg	gcgcggtaca	ataccgtcct	tgtcgttggt	180
ggtgtaggcg	agaaatgccg	cattgtagct	gagggctatg	gtttcaagga	tgtcatcact	240
cccggggata	tcatcaagac	gaggcacgac	acgacaccat	tccggagctt	gacagaagag	300
gagtacaaga	actctcgctg	ccgagatttc	agtcagacca	acattgatgc	catcttcgtc	360
tttgctgaca	gtcgagactg	ggccggtgac	cagcagatca	ttttggatgt	tctcatgtcg	420
aagaatggac	gtctcggtac	acgtcccgag	accttcgacg	agggcccacc	cgtattcttt	480
tcccacaacg	atgttgtgtg	gtccacctct	catgagcatt	ctcgatttgg	tatgggtgct	540
ctcagggctt	ctctagaggc	gctctacaaa	gccgtcaccc	gaaaggacct	gcatacgggt	600
gcttttggtg	aacctcaact	gggaacatat	gaattcgcca	cccggctcct	tcgccagtgg	660
cgcaaggaca	cccacggtat	caactgtcct	ccgaacaccg	tttatttcgt	cggtgatacc	720

ccggagtcag	atatccgcgg	taccaacgag	ttcgataaaa	tcagtgattc	ccactgggtac	780
tcaattcttg	ttaaaacagg	tgtctaccag	gaagggtacta	tcncccgta	tccgcccagg	840
aagatcaccg	acaatgtact	agaagctgtc	aagtttgcta	tggaacgtga	actcagcaag	900
caagcaaacg	agtcgcgcat	cgcagatgat	gtcgactctg	gcatcgactc	tgaatctgct	960
aagaaacatt	gattggcttt	caccaggaga	ctcccatatt	ttacgttcat	caacatttac	1020
atttatatga	tatcccatgt	tatctatata	cttcttatct	tcgtgctgcg	cacagtttgt	1080
t						1081

<210> 4448
 <211> 499
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 4448						
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tgaaaagcct	accgaagtct	cctccaagat	tgctagcatc	aaggaaatgg	aagcgaacga	120
gcccctactt	caagagaacc	ctcatcgctt	cgttctgttc	cccatcaagt	atcatgagat	180
ctggcaaatg	tacaagaagg	ccgaggcctc	tttctggacc	gccgaggaaa	ttgatctttc	240
taaggatctt	cacgactggc	acaaccgcct	gaatgatgac	gagcgcttct	tcatctctcg	300
cgtacttgcc	ttctttgctg	cctccgacgg	cattgtcaac	gaaaacctgc	tcgaacgttt	360
cagcggagag	gtgcagatcc	ctgaggctcg	ttgcttctac	ggttnccaga	ttatgatcga	420
gaacatncac	gctgagacct	actctcttct	gaatgatacc	tatatcaagg	agcccnagca	480
gcgcacctac	ctttttgag					499

<210> 4449
 <211> 549
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4449						
ggattgagca	cactattgcc	tggggccaggg	atctttttcca	gacctacttt	gttggccctc	60
ccgaggctgt	caacatgtat	ctgtcacagc	caaactacat	tgagcagacg	ctcaaacagg	120
ctggcaatga	gaagcagact	ttggagcaac	tgacagattt	cttgggtggc	aacaagccac	180
tgacttttga	cgattgcatt	gcctgggctc	gccatcagtt	tgaaggctag	tacaacaatg	240
caattcagca	gttactgtac	aacttccttc	gagattccaa	gacctcttct	ggacagcctt	300
tcttggtccg	ccccaaagcgt	gctccaacac	ctttgaagtt	cgatagctca	aacccacgc	360
acctcggtgt	catcgttgcc	ggcgcggaacc	tccacgcttt	caactatgga	atcaagaacc	420
ccggagcaga	caaggaatac	taccgcaagg	tcgtcgacaa	tatgattatc	cctgaattca	480
cgcccaagtc	tggcgtgaag	atccaggcag	atgagaatga	ggccgacctc	gacgctggaa	540
acgctgggtt						549

<210> 4450
 <211> 549
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(549)
 <223> n = A,T,C or G

<400> 4450						
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aatcagaatg	aacccttcta	tcttcgctac	tactcaggtc	actctgggcg	gttcggacat	120
gaattcttag	aatttgattt	ccgctccctt	ggtgatggtc	gcagtgccgc	cgtgcggtac	180

gcgaacaact	ccaactaccg	caatgactcc	cttatttcgca	aagaaatgtg	cgtgagctcg	240
tcgatgattc	aggagatcaa	acggattatc	aaggagagcg	aaatcatgaa	ggaagacgat	300
tccaagtggc	cccagaagaa	caaggacgga	cgacaggaac	tcgaaatcag	acttgggaat	360
gaacatatct	cctttgaaac	cgcgaaaatc	ggctcgctgg	tggatgttac	cgagtctgcg	420
gaccagaag	gtctccgcgt	gttctactac	cttgtccagg	atcttaaagc	tttcattttc	480
tctctgattt	ctcttcattt	caagatcaag	cctaattctag	acctgtactc	acacatggta	540
ccaggttgn						549

<210> 4451

<211> 649

<212> DNA

<213> *Aspergillus oryzae*

<400> 4451

gggagaacgg	gaacgctttt	ttgcttctgt	taacctagag	cgtacccgag	cattcggaaa	60
gcttgtggat	agtgcacaga	gcccgattcc	caagcttcca	tggggcgaag	actttgaaaa	120
ggacaagttd	cttagcccag	atttcacttc	gttggaaagtc	ttgagctttc	aatcttcccg	180
catacctgct	ggcatcaatc	tcccaaatta	tgacgatata	cgtcaaaaatc	taggtttcaa	240
gaacgtttct	cttggaaatg	tgcttagcgc	caaagcccct	aacgagcctg	ttccttttat	300
tgccaagaag	gatttggacg	tttatcgcag	atgccgtgac	cccgcgtttg	aagtccaggt	360
aggcatccat	gaacttcttg	ggcacggaac	tggcaagctt	cttcaaaaaga	ctgccccagg	420
agagtataac	tttgatatatt	gcaaccctcc	tgtgagtcca	gtcacgggaa	aacctgtatc	480
tacatggtag	aagcctgggtc	agacctggag	ctcggttttc	ggagctatcg	cccttttttt	540
atgaagagtg	cccggaagaa	tgccgtgcta	tgggtgctcaa	ctgcgacttt	agcatcctga	600
agatttttgg	attcggaaac	gggcaagaag	atctcaccca	cgaggctgg		649

<210> 4452

<211> 684

<212> DNA

<213> *Aspergillus oryzae*

<400> 4452

gtcacaaccg	tctagtagct	cagaacctcg	aatgaaggca	togaacagtt	tcgtgtcgca	60
agagatattc	gaaatgaagc	cgcagattgc	aagcgttgtg	aggatcagcg	tgattacctt	120
ctgcaatgga	gccctgtaat	ccgttatctg	agtgaaca	ttcgacaact	cggagggtgat	180
ctctctagcc	acaatatcta	ctgtcgccgg	tgtacgaata	ggaaagctgg	aggctttgac	240
ccggactttg	ggatcctgct	ttgcgcaa	gagatgaaag	accaaggaca	tctcgaggac	300
acaatggctc	atgaaatggt	tcattgcttat	gatcacttga	gattttaaagt	tgactgggca	360
gataacttga	gacatgcggc	gtgtactgag	atacgggcca	gtcccttag	tggggaatgc	420
agatgggcgc	gggagttctt	tcgacgaggt	caatggcgat	tcacacaaca	acatcaggaa	480
tgcgtaaaaa	gaagagcaat	cttgtcgggt	cgggcaaggc	ctacatgcaa	ggatgaagct	540
cacgccgaga	gggttgtaaa	cgaagtttgg	gatagttgct	tcagagacac	ttcgccgttc	600
gacgaaatct	accgttgaca	ccatggtttc	tctctagcct	acctcatatg	agttacttgg	660
tgttccattt	ctctatccga	aaaa				684

<210> 4453

<211> 675

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(675)

<223> n = A,T,C or G

<400> 4453

cgccgatcat	gcattcgccg	ccgcggaagc	ttacggcaga	agatcaggag	gcctggaaga	60
ttccaccgcc	cgtgtcgaa	tggagaatc	ccaagggtta	tacggttccg	ctcgataagc	120
gtttggccgc	agatggctgt	ggtctgcagg	atgttactat	taacgataag	tttgctcagt	180
ttgctgaggc	tttgttcact	gccgatagac	atgctcgtga	ggagggttaga	ctgcgtgctc	240

gtctgcaacc	gcgctgtcgg	aagaccagac	cgcccgact	ccttccgaaa	tgcaacgtct	1140
acgggccgaa	caccctgggg	agcccaacgt	tgtacggaat	ggaagaattc	taagccaact	1200
ggagcctatc	cgatcttttt	gagatgcgtt	ctacaagtgg	agcanagaga	ctcaagatta	1260
gatcaaacgg	gaattcttcg	gaaaaa				1286

<210> 4456
 <211> 670
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4456						
caaaattaat	tgcagaggct	ggcttccac	ctggcgctgt	caacatcatc	tccggtttcg	60
gaagtccagc	cggtagtgcc	atagcatccc	atatggatgt	gcgctgcctg	agcttccactg	120
gttccacagc	caccggtcaa	aaaatccaaa	tgcgagcagc	caagtctaac	ttgaaagtag	180
tccacttgga	actaggcggc	aaaacaccag	caatcatctt	cgaagatgcg	gatatcgaaa	240
aagcagcaga	aaagactcaa	ttcagcatcc	acttcacgag	cggacaaaacc	tgcttcgcga	300
actcccgcac	ttatgtgcag	gagtcggtt	cggataaatt	catagcagta	ttcaaggaaa	360
agttcggcgc	cgcggcgcg	atgggcaatc	ccctcgagcc	gacgacgaac	cacggaccgc	420
aggcagacaa	cattcagtat	gagcgggtca	agtcgtacct	agaaatcgga	gaaaaggacg	480
gaaagctcac	gatgggaggg	gatggcgga	tgggcttcat	caagccgacc	gtctttgaaa	540
acgtccctga	tgactctcgg	cttatgaaag	aggaggtgtt	tggacctgtt	gtggcgatca	600
atacgttcaa	gacagaggag	gaggcgattg	aacgggctaa	tgcttccgag	tttgggtcttt	660
acgcctctgt						670

<210> 4457
 <211> 745
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 4457						
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gggaccaaga	gcttttcaac	tttggccttt	gcaggcggca	ctgtcctggc	caatgcatgc	120
gggccatgca	ttggctcagt	gaagcggact	gatggcgttg	ctaagggcga	ggataacgct	180
atcttcaact	cgtacaaccg	taacttcccc	ggccgtaacg	acggcaaccg	tccgacaatg	240
aacttccttg	cctccccaga	gcttgtcaca	gcgtggcggt	attccggccg	tactaccttc	300
aaccctatga	cgcacagctt	gaccaccccg	agtgggtgag	agttccgggt	ccagccccc	360
actggctctg	cgtgcccgc	tgatggcttc	gaagacagta	accccgactt	caagcccacc	420
gcggcggccc	ccgacgcgag	ctgcgaggtg	gttgtgtcgc	ccacttccga	tcgattgggt	480
ctgctggagc	catttgcctc	ctttcccaag	ggaaacctgt	ctgggtctgaa	ggtgctgtac	540
aaggtcaagg	gccagtgcac	cacggacacc	atctccgctg	ccggcccatg	gctcaagtac	600
aagggccacc	tgcccaatat	ctccgccaac	acctgatcgc	gcgcgcgaac	gccagcactg	660
gcgagaacaa	ccgtgctaac	gacaaaacgg	nagcatatct	cattcccgc	ctggccgntc	720
aatggaggcc	gaaggaatcc	aatgg				745

<210> 4458
 <211> 642
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(642)
 <223> n = A,T,C or G

<400> 4458

gattcggtcac	ttctcagttt	accataataa	ctatccgata	attcatgtac	catactacca	60
acaattttac	gtactatctt	ctagctactt	tctgctaagt	cgtgtaccag	ccgatcaccg	120
ctacgctacg	taagcgacgc	catgtccggt	gcaaggcatt	gggagcagga	taaagaggcc	180
accgtctaca	ttgggaacct	tgatgaaagg	gtcacagata	gcctgggtatg	ggagttgatg	240
ctgcaggcag	ggcgcatcgt	taatgttcac	ctgccaaaag	atcgagtcac	acagtcccac	300
caaggttacg	ggtttgttga	attcatcagc	gaagaggatg	cagaatacgc	atcccgaata	360
atgaacggca	tccgtttata	tgggaaacca	atacgcggtga	acaaagcgtc	tgctgacaag	420
cagaagtcgg	tggaaatcgg	cgcggaactt	tttggtggga	accttgaccc	catggtcacg	480
gagcaagtcc	tttataatac	attcagtcga	tttggggaact	tgatcaattt	accaaagatt	540
gcacgagatg	acaataatct	atcaaagggc	tatggaattg	tgctgttcgg	cgaacttgaa	600
acatcggtatg	ccgccatagc	aaacatgaat	ggccagtacc	tn		642

<210> 4459

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 4459						
cttctcacta	cacttctctt	cctatcagtt	tgctgttcca	cataatactt	gttggatttc	60
cactcgagaa	agaaagcagt	gattgccctt	gtcttgtgac	aaacgaaact	agtaaagacc	120
atgacgtcca	toggtactgg	ttacgatctt	tctaattcgg	tcttctcgcc	agatggccgc	180
aactttcagg	tggaaatatgc	agctaaagcg	gttgaaaatg	gcggaacagc	cattgggtata	240
aggtgcaagg	acggcgctcgt	gctagctgtt	gagaagatca	ttactagcaa	gctcctaaag	300
ccgggtgcaa	ataagagaat	agcaacagtc	gatcgacacg	ttgggtattgt	ctctgccggt	360
ctagttccag	acggctcgaca	ctttgtttcc	cgtgctagag	atgaggctgc	ttcatggaga	420
agcgtataca	agggccctat	ccctgtgtct	gctctgtcga	atcgtttggg	cagctacgta	480
caagcttata	ccctctactc	cagtgtacgg	ccttttgggtg	tgaccgctat	cgtgggcggg	540
tgggattctg	aagccgagct	tgccgtcgat	ggtcaagtcg	gcagtggggc	taaatacaag	600
tctgggggaa	nggtgatggg	gctagggcct	gaggaccaag	cctat		645

<210> 4460

<211> 669

<212> DNA

<213> *Aspergillus oryzae*

<400> 4460						
ggtaaccg	atatactcta	tcccacccat	caccacattc	cataacagcg	ccctttcatt	60
gggaaagtca	ctcttccttg	aaattgggtta	catcgcggtg	catcgtaact	tctttaatcg	120
caaggcttgt	gatactcctt	gcggtgctcg	ttcatcaact	agtactttgc	caagagcaag	180
tctccgtctt	gtcgggtggg	gatcgactct	ccccgattta	cctacccctg	ttgcgacgaa	240
tcctgattcg	cctcggtcgt	tcagcccttc	cgagcttccc	ttaagtacag	gcttcgtccc	300
ctctttagct	gcaactcctg	gtgctaggtt	aggacgagtc	acatgccacc	accggcttct	360
tcagtggatt	tcaccaatct	gctgaaccct	cagaataacg	agactgggtc	tgcaccttcc	420
acgccagtgg	atagctccaa	ggctccctct	accccggtcca	gtactcagtc	caactctacc	480
atggcctcgt	ctgttagctt	actaccgccc	ctcatgaagg	gtgctcgtcc	cgcaacggaa	540
gaagcgcgcc	aggatcttcc	ccgtccatac	aagtgtcccc	tgtgtgatcg	cgccttccat	600
cgtttggagc	accagaccag	acatatctgc	acacatacgg	gtgaaaagcc	acacgcttgc	660
cagttcccc						669

<210> 4461

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 4461
 cccttatatt ccgccaaagc tatctgtgca atctcccttc cttataactc acaaatttgg 60
 ttatacaaca atgtcagcta aaattcccag aaacttttagg ctctttgagg agctcgagaa 120
 gggcgagaaa ggccaaggag cagaggcttg ctcttatggg cttgcagatg gagaagatat 180
 gatgatgagc aactggaacg gaactattct cggccctcct catagtgtcc atgaaaacag 240
 gatatacagt gtcaacatcc attgcggtcc cgattaccca gacaatcctc ctgagatcca 300
 attcatctca aagggtcaatc ttccttgtgt agaccacga actggcaagg tgcaccctac 360
 gaagcttcg tgcttggctc aatggaagcg cgactatact atggagacca tcttgcctga 420
 attgagaaga tatatggctc ttccgcaaca caagaagctt cctcagcctc cggaaggctc 480
 gaacttctga gttgatgac ttgcaggata catgatcgga gtattgtggt tagttttgcg 540
 tcaggtctcg tcatctcatc ctttctcttc tntcatcatt gaagcgtgta cagtctatgc 600
 ataacggcan gcatggcgtg atctccttcc gagtcttcag ttcaattatt atttagaaat 660
 atctcggaa atctatatn 679

<210> 4462
 <211> 936
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(936)
 <223> n = A,T,C or G

<400> 4462
 ggtaaatgcc gtatcctcgt ctccggaagaa gaagaagaag ccatcatctt cgacgagcac 60
 ccctacgccc gctacgcagt cgtctgcgac ccatcgacg gatcctccaa cctggacgct 120
 gggtctcgg taggaacct cttcggcatc ttcaagctgc ccgactcgt cctgggtccc 180
 gagaacaagg tctcccccaa ggatctcctc ctcccggta ctgagatggg cgcctcgggt 240
 ttcaccatgt acggtgcctc cgcccaactc gtcatcacca tgcgcaatgg cggcgtcaac 300
 ggcttcaccc tggagaactc cctgggtgaa ttcatcctca ctaccccaa catgaccctc 360
 cccgccaaag gcgccatcta ctccgtcaac gagggtaaca gcagctactg ggaggagtgg 420
 accaacgctt acttccactc gctgaagttc ccccccagg gccagaagcc ttacagtgtc 480
 cgctacattg gtagcatggt ggctgatgct taccggacac tgctctacgg tgggtgtctc 540
 gcttaccggt ccgacaagaa ggcccccaag ggtaagctgc gtattttgta cgaatgcgct 600
 cccatggcta tgctgtttga aaacgcgggt ggtctcgtg tgaactccc catggagcgc 660
 cttctggggt ttgtccgga gcacattcac gacaagagt gtgtgttctt cggctcgaag 720
 gatgaagtac agaagatcat cgacacatat aacangtaca agaaataaac tggaaatata 780
 tcggcccata tgtggcggc ttataccggt gagaagcctg nagattccac caccggatgg 840
 tatttaatga ggatgggtcat gggtatttaa tgtatgaaaa gcgtctaaac taaataaatt 900
 ttgaaataac atttgaaatt ttttaannna aaaaaa 936

<210> 4463
 <211> 629
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 4463
 gcgaacgcta cacatttcca atgaccggc tccgggatat aatattgaac aattagccaa 60
 aaagggaag caattagttg atctaccata cactgtaaag ggaatggatt gctccttctc 120
 tggatctta gccgcagtgg atggccttggc cagcacatat ggactangtg gcgaaggga 180

[illegible]

<211> 666

<212> DNA

<213> Aspergillus oryzae

gtcgtgaac	ttgccgacat	cttcacctcg	cgtctgattg	aggaaatccc	catcgctttg	60
actcaccttt	tgaaggcgct	ccttgagatc	ccgactcttc	acaccgtcaa	cctttccgac	120
aatgctctcg	gcaagcgaac	ctcgaagccc	cctgtcgact	tcctctctac	ccacgttcct	180
ttgcgccatc	tgattttgaa	caataatggt	atgggccctg	atgcaggtgt	ggagattgct	240
ggagcgctgg	aggagctcgc	aaagcgtaag	gatgagggcc	gcaaggcagg	aaaggaggtc	300
cctcagttag	agagcatttg	ctgtggtcgg	aaccgactgg	agaattggaag	tatgaaagca	360
tgggcacagt	catatgaggt	gcacgctgca	ggaatgcgct	cgggtgaagat	gacacagaac	420
ggaattcgtc	aggagggtat	ctccagcctg	ttgagggagg	gcttcgccac	gccagcaacc	480
ttgaagtcct	tgacttgcag	gataacacct	tcaccattta	tgggctcaac	tgctctctct	540
gaggctgctt	caggctggac	ttccctgcgc	gcagctcggt	gtcggtgact	gtttgctctc	600
gcgccgtggt	ggtgtcaagg	ttgcgcaagc	ttttggctgg	tgccaagaac	gagaagttgg	660
aaacag						666

<211> 682

<212> DNA

<213> Aspergillus oryzae

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (682)$

<223> n = A, T, C or G

ctcctctcag	cgctccttca	gcacgactac	cctccgcgct	cgggcacgca	caatgggccca	60
gctgaaggcc	cggaactcca	ccggtccggt	ttcatggaag	tcggcgctac	tcttcgctcat	120
taccggtgcg	ggtatgatcg	ttatttccg	ggtggagaag	gaacggttg	cgcggaagcg	180
catcgcacag	atgagcaagg	gagttggtcg	gccgaaggtt	ggaggtccat	tcgtgctgaa	240
ggacttggac	ggcaagcagt	tcacccatga	ggatctgaag	ggaaagtaca	gctttgttta	300
cttcggtctc	acgcactgcc	ccgatattctg	cccggtatgag	ttggataaga	tggccgagat	360
tattgacaaa	gtgaaggagg	ctaccaaggg	cgagaacatc	ttcttgcttg	tctttgttac	420
ctgcgatcct	gctcgcgata	cccccgaggt	gctgcgctcg	tatctccagg	agttccacgg	480
ggacattatc	ggcttgactg	gcacgtacga	gcaggtgaag	aatatgtgca	agcagtaccg	540
ggtgtacttc	agcacaccgc	aaacagtgaa	cccgggcgag	gactatctgg	tggaccacag	600
tatctacttc	tacctgatgg	acccccgagg	ggganttcgt	cgagtgcatt	ggcccgccan	660
gataaccccc	atttcgcttc	cc				682

<211> 636

<212> DNA

<213> Aspergillus oryzae

gtacaactag cggaagacaa gcaatggcgt gtcggtcttg ctatcatcga atatatccct 60
cttctcgcca qccaactqqg qgttaagttc ttcgacgagc aactcagcqa tctttgtatg 120

tatgatgcct	ctcgatcagt	ctgtcagcat	tggacatgac	ggtgccatgt	ttgtagacat	1260
tggtggcaac	actggccatc	angctgctga	agtgtgtgcc	aagtaccggg	agctcgctgg	1320
ccgagtgatc	gttcaggacc	gtggtgaagt	catcaaagt	gccccgata	tcaaaggcat	1380
tcagtggatg	gagcacgact	tctttcaaac	ccagcccgtg	aaaggtgcc	agtattacta	1440
tctgcgagct	attcttcaca	actgggacga	caagaacacg	gtgcaaaatc	tcttcaacat	1500
ttgtgcccgc	catgtcagcg	gattccctgg	tggcgattga	tgaaatggtt	gtgccacaag	1560
agaatgctca	tgtatgggcc	ggccggcctc	gatcttcaaa	tgttttcttt	attcagtaca	1620
acggaacgga	cggcggtcca	atgggatgcc	atccctggac	aaacagggct	cctgctgtgg	1680
ccgttaaaag	tatgcgcg	tattt				1705

<210> 4469

<211> 605

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(605)

<223> n = A,T,C or G

<400> 4469

tagtatatta	ccaggatgct	acaaggaatt	ccagggccac	agcaggtgct	aagcgccttg	60
acggggaccc	tgggactttc	aagtctcctt	ggacccggaa	ttgaatcctc	acagaacagc	120
tttcaacact	gctctaaggc	tgaactgagc	tgcgcgactc	cgtatcatgg	ccaggacaaa	180
tgctgcttca	actatcccgg	ggggcagttc	cttcaatcgc	agttttggga	cgccgacccg	240
gccattggac	cggaggattc	ctggactatc	catggcttat	ggccagatta	ctgtaatgga	300
ggttaccctc	aattctgtga	ttcaaaaagg	cggtatagca	acatctccct	gattctgact	360
gactcaggta	gaggggacct	tctggatgag	atgcgaattt	tctggaaaga	ctggaagggc	420
gacgaccgga	atctgtggga	gcatgagtgg	aacaaacatg	gaacatgcat	tagtacccta	480
gagactcact	gctacgacat	atactacccg	caacaggaag	gggtggacta	tcttgataag	540
acagtggacc	tttttcacgg	attgctacac	acaagatcct	tggcggggct	ggaatggtct	600
tcttn						605

<210> 4470

<211> 708

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 4470

tgaatagctt	tccgattcgg	acgaggccta	ctatacggtc	tcccaattcc	ccaattcacg	60
cttacgacca	gacaaaatgg	cggctccgaga	acctcagttc	aaccaacagg	tcctgggtgga	120
caccacgccc	atgccggcgg	acattcccag	tgtccaggaa	gtcggcgcca	cctcggcacc	180
cctgactagt	gcggcgctact	ttatcggcga	caggtgcaag	gccttcaatg	atgactacat	240
gaagtgcaag	caggaggcca	atggaagggg	ggagttcgat	tgtctgaagg	agggacggaa	300
ggtgacgaga	tgtgctgctt	ctgttatcaa	agatatcaac	acctactgcc	tgaaacaatt	360
caccgcgcac	tgggagtgtc	ttgagaacaa	caaccaccat	ctgtgggagt	gccggaagcc	420
cgagatggag	ctgaataagt	gtgtctttga	caagctgggc	ctcaagaaga	cgatccccgg	480
cgcccccgag	ggccagaccc	cggttcatct	gcgtcccaag	cagatttatg	ctcagttccc	540
tggtcctcag	tattagggtt	tggtttatgt	ctgtctggtc	tggtctgggt	tgtggactgt	600
ttgtatgtgt	acatattanc	atangaatng	agtgtcctgg	nttctcggtc	tanannnnna	660
nnnnnnnnnn	nnnnnnnnnn	nnnnaaaatc	ctggcggcgc	tcgagcat		708

<210> 4471

<211> 696

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(696)

<223> n = A,T,C or G

<400> 4471

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gaccacagat	agccccgaaa	cgactagagc	tgacgggaca	accgtccagg	ccgcccccttc	120
accagaatct	cactatagca	cacacattgt	cttgaccacc	tatcccgggc	aaagcggtat	180
agaccccggtg	cccctgaact	ggggtgcaaa	agatgcaaaa	tcccgtgggtc	cagtagtggt	240
ctcgcgcagc	gggccattgc	tgaaacgacg	caatgcaatg	ggcgcccatg	gcggtagcta	300
cagcatctac	aacgccctgg	ccatcgctgc	gggcgacctc	ccccctgact	tccgtccgga	360
ctttaagaac	agtgaaccca	cctttaattt	cccctggcag	ccgcctggg	ccgacaaaga	420
caagatcgtg	tcaatggacc	cctacggcca	cgatatcgtc	aaccaattcc	gggatgagtt	480
gaacgcgggn	tgggacattc	ggcctaccat	ggcggtgacc	cgcgctaata	tganaactggc	540
cgaaatcggg	gaggcagtcg	gagacggaca	gcttgacgtg	gatgggtcaa	tcgtggtaga	600
ctcctcgggt	gaaagtccgg	tgacgaaggt	cgctgtccag	ccggtgtggt	atctgcctgg	660
agttgcgggc	cgattcgggg	tttggaacc	tatctt			696

<210> 4472

<211> 466

<212> DNA

<213> Aspergillus oryzae

<400> 4472

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caccactgat	gagaagtacg	ctaattgctag	cgacgaccag	aacatgtacc	tggaactataa	120
gaacattacc	aatgtgatcg	ctcccggaaa	gctcatctat	gtcgacgatg	gtatcctctc	180
cttccagggt	ctggagggtcg	ttgacgacaa	gaccctgcgc	gtcaagtgtc	ttaacaatgg	240
caacatgtcc	tctcgcacgg	gtgttaacct	gccccgcacc	gatgttgact	tttctgcctt	300
ttcgagaacg	atatcagtga	tctcaagttc	ggtgtcaaga	ccggcggcga	catgatcttt	360
gcctcgggtca	ttcgtcgggg	agtgacatac	gcactttctg	acgtgtgggt	gaaagggtag	420
gagattcgat	catcgcgatg	tgagaccaac	aggtgtaaca	cttcac		466

<210> 4473

<211> 683

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(683)

<223> n = A,T,C or G

<400> 4473

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tcataaggac	tctgcctgga	aggagtcag	gcgcgacttc	aaggactcca	accctatgat	120
gcagaaaactc	ttcgctttca	aggaaacata	taacgagtc	gagaatccat	tgatcagcac	180
tgcccgcagc	atttccgacc	gcgtggctgg	attctttgcc	gaaaatgaaa	ctgcccgaat	240
cattaagaag	ttccgtgaaa	tggatcccaa	ctttcagatg	gaggaattct	tgccgggaaat	300
gcgtgaatat	atccttcctg	aggttttgga	cgctacgtc	aaggagatg	ttgagacact	360
caagctttgg	ctgtccgatg	ctcagttcag	cgctacgtc	gccctcgcca	aacagtacac	420
aactgccggc	ctaaaatccg	atggtcgtat	cctcgatgtc	cgtggcggtg	aagtcatgaa	480
cgcccgatg	ttggaccctt	gcgatattcc	cgtgttcgtg	gtgacctgcc	gttcacagga	540
agtcacatgtg	tacaaaaacg	tgaagaaccg	cgagcttgcc	gctggtatgg	aggataaggt	600
ccagctgggtc	acttatgcc	tncgtcttac	aaagatccct	gaaatgttaa	caaccggag	660
accccggggt	tgagaatgat	cca				683

caactgcgca	tcttgtccat	ggacgaactg	cccgtatca	ttgattgact	atccctgcga	600
ctgtgtgttc	atgactaccg	gccgggcagg	atccaccgc	tcac		644

<210> 4477

<211> 655

<212> DNA

<213> *Aspergillus oryzae*

<400> 4477

cgaggcatct	gtcaaacctc	tagtgaattc	cacatcccca	ttccatctgt	gttgtctttt	60
tgtcctcttc	tttccccaca	cctcttttct	cttctcctat	caactccttt	ccaccaactt	120
actctgtctt	gtaatcttcc	tatctgtacc	ctatcttcca	gcatgacttc	tgagcgtgag	180
aacaagacat	tectcgcccc	cctttgcgag	caggctgagc	gctacgatga	gatggtcacg	240
tacatgaagg	aagttgcca	cattggaggc	gagcttaccg	tcgatgagcg	taaccttctt	300
tccgttgect	acaagaacgt	ggtcggcacc	cgccgtgctt	cctggcgtat	catctcctcc	360
attgaacaga	aggaggagtc	caagggtctt	gagcaacacg	tctcgatcat	ccgtgactac	420
cgacagaaga	tcgaaaccga	gctggagaag	gtctgccagg	atgttcttga	cgttctggac	480
gagtccctca	ttcccaaggc	cgagactggc	gagtgcaagg	ttttttacta	caagatgaag	540
ggcgactacc	accgttatct	tgctgaattt	gcttctggca	acaagcgtaa	ggttgctgct	600
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<210> 4478

<211> 997

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(997)

<223> n = A,T,C or G

<400> 4478

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gtccttattg	caataaagca	ttctcgcgct	ctgacaacct	tgacaaacac	cgtcggatcc	180
atgaggctca	acaggacggc	caacaaccac	tccatgtgca	agatgaagac	ctcgaaaatg	240
aggacaacga	actcggttcg	caggatgagg	gacgtctctc	ttctgagtct	attccaagta	300
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tgccataccat	gatggcacct	cacatggttg	ctccgcaact	tctacaacag	cagatgtaga	420
aggcatgagg	gaaagtatga	ctccagtggc	ccttttcccg	attctcgtga	acattaataa	480
tgagtccgat	tttgccgacc	atgataccgc	acggtggatt	ttgatgggtc	gggttcggat	540
atcttacctg	ctttagaata	tctgtatata	ccatttggtg	aatcatttaa	tccaccattt	600
aaagtcttca	actgtgactg	ggctgcggga	ctactacatc	aaattattga	gacatattga	660
gggtgtctcc	taatctgtgc	tctacaacct	gccgccaggg	tctgaggatt	tcagtgcagg	720
ttcgccgatt	ttcttctggt	ctactgnccg	gactgcgtag	gatttttggtg	tgtgtacatg	780
tgctactgga	cacacctacg	ctgcggttct	ataataaata	aacaaaattt	ttttcgccgg	840
attgtttttg	ttgggttgcc	atcccctatg	ttgggattgg	aaggactttc	cggatcattt	900
ttctttcctc	aatgtgggga	ttctggattg	gcagaaatca	caagggaacc	ccccgcgagg	960
aataaaaaaa	agccgggttt	tgttgtggaa	gaaaaaa			997

<210> 4479

<211> 670

<212> DNA

<213> *Aspergillus oryzae*

<400> 4479

cccctccaac	ccccattatc	aacttcatcc	ccattttacac	aaccaccgcc	gtcgcaatcg	60
gtgtttgtcc	tattagaatt	tattcttgtt	ttccaattct	gttattcctc	taatttcttg	120
tattttcctc	ttacacgtca	ccctcaccga	caacctcagc	agaccgcgcc	actctcagtg	180
ttccgcccct	cctcatccac	aaccatccga	gcgtcctacc	ccttaacgcg	ttgtctggca	240

tcaactctaaa	tggacaacaa	tatggaaatc	gataccgcgc	ggccccccga	gccccaccgc	300
ctgtcgccaa	cgtctgaccc	tgggtcgata	ccgacattgg	acggatggat	tgaaaatttg	360
atgagctgca	agcaactagc	ggaggaagac	gtgcggaggc	tgtgcgatcg	ggcaagagag	420
gtgttgacag	agaatccaa	tgtgcaacca	gttaaattgcc	cagtgactgt	gtgtggtgat	480
atacacggcc	agttccacga	cttaattggaa	ctgttccgca	tcggaggccc	gaatccagac	540
acaaactatc	tgttcatggg	tgactatgtc	gaccgtgggt	attactccgt	agagaccgtt	600
accctccttg	ttgccttaaa	atccgtttacc	cccagcgtat	caccatcctc	cgtggaaacc	660
acgagtcgcc						670

<210> 4480

<211> 671

<212> DNA

<213> *Aspergillus oryzae*

<400> 4480

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gaagtattgt	aatgacaaga	aattggcggt	ggttccccag	ggtggcaaca	ctggactggt	120
gggaggttcc	gtgcccggtg	tcgatgagat	tgatcatcaat	acgtcgcgca	tgaacaagat	180
ccgttccttc	gacgagggtc	cgggagtcct	ggtcgcgtgat	gcgggtgtta	tcctgaagggt	240
ggcggatcag	tacctggcgg	agcgggaacca	cttgttccct	ctggatctgg	gcgccaagggt	300
ttcatgccat	attgaaggta	atgctgccac	aaatgctggt	ggactgcgtc	tgcttcggtta	360
cggtagtctt	catggaaaca	tcctcggtgt	tgaggcggtg	tggacatagg	gtactattga	420
catctctctc	tcgactctgc	acaagaacaa	caccgtttac	cacctaaagc	atttgtttat	480
tggcgcggag	ggcaccattg	gtgtcaataa	gtgggctttc	catcctgtgc	cctccccccg	540
ccgaaagcga	aaatggcgtc	ctttatgggg	tgaaaaaac	aaccaaaca	ggtgggtccc	600
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<210> 4481

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 4481

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gacaaattca	cccaggctat	cgcgatcgaa	cccgagaacc	acatccttta	ctccaaccgt	180
tctgcagtat	actctgctca	atccgaatac	gagaaaagtc	ttgaagatgc	caacaaggcc	240
acggaaatca	agccagattg	gtctaaaggc	tggcagcgta	agggagctgc	ctatcgcggt	300
cttgagagacc	ttctggctgc	tcacgatgcg	tacgaagagg	ccctcaaaat	cgaaccgcga	360
aacgagcagg	ctaagtccgg	tatgaatgcc	gtcaagaggg	ctattgatgc	cgaagctcag	420
gctgatgggtg	tcaactggtga	ccctctgggc	ggacttggtg	gtattttcaa	cgaccctcaa	480
cttttccaga	agctggccag	caaccctaaag	acctctgggtc	tcttggcaga	tagcgaaatt	540
atggctaaag	tgcaacgcat	caagcagaac	ccgaatagtg	tcngtgaaga	gatcaaggat	600
ccccgctttt	tgccagtcac	gagtggtctg	ctgggtattg	acacc		645

<210> 4482

<211> 693

<212> DNA

<213> *Aspergillus oryzae*

<400> 4482

cttatgccgt	tgccatatca	cgcgggaccg	ccttattcca	agctgtgtat	aagttctttg	60
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ggtgaagagc	tatggaaaac	gaggggttgac	aaagtcaatg	cggagttagt	cacattgact	180

tatgggtacaa	ttgttgacaa	attatgtcag	gactatgatt	caaattatca	ggaagtcaac	240
aaacagctgg	acaagatggg	ctacaatatt	ggatatgcag	ttatcgaaga	cttcctggcg	300
aagtcaggcg	tcggccgatg	ttccaacttt	cgggaaacag	cagacatgat	cgcaaaagtc	360
gggttcaaga	tctttcttaa	catctcgctt	actgtaacga	attggaccag	cgataataac	420
cagttttctc	ttgtgttcga	ccagaatccg	ctagcccgat	ttgtcgagct	gccagatgat	480
ggtaggggcg	aagatgagtt	gtgggtctct	aatatcttgt	gtgggtgtcct	gcgggggtgct	540
ttgagatggg	tcaaattgcaa	gtcaaagcgc	atTTTTTaaac	caatgtgttg	cgggtgacga	600
tactactgag	atgccgggtat	ttttgggtga	gaatatttgg	agaagaattc	ccaccggagg	660
aggatttact	aagtctttgc	gaccaaaaag	gct			693

<210> 4483

<211> 900

<212> DNA

<213> *Aspergillus oryzae*

<400> 4483

ctttcaacct	tctaatatgt	cttccttttc	ccctctctcc	tcctactcaa	tctccttctc	60
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acctcaccca	tgtctgacga	acagcacgta	ttcgatgata	tccagggtac	cgattccggt	180
gcctctgcca	ccttccccat	gcagtgtctt	gcattgagga	agaacgggtca	cgttgtcatc	240
aagggccggc	cttgcaagat	cgctgacatg	tccacctcca	agaccggaaa	gcacgggtcac	300
gctaagggtt	accttgtctg	tctcgacatc	ttcaccggca	agaagcttga	agatctgtcc	360
ccctccaccc	acaacatgga	cgttcccttc	gtcaagcgta	ccgaatacca	gcttattgat	420
gtcaccgatg	atggcttctt	gtccctgatg	gacgacaatg	gtggcaccac	ggacgacgtc	480
aagctccccg	atggcgagct	tggtgagaag	atcaaccgca	tggtcaccga	ggagggcaag	540
gactgcaacg	ttattatcct	cactgctatg	ggtgaggagt	gcgctatgga	tgtcaaggaa	600
gcccccaagg	gtgcttaaat	aaccatagtc	atggactcta	tttgtgtctc	ttgggtccct	660
gtgtgttcca	gggtatcctt	gaagtttgca	ccttcgattg	tgaaggatgt	cacgttttgg	720
agatccgacc	tggtctcttat	attgaccact	tagccttgga	gaaggttgcg	tttagttggc	780
agcgtaaaag	atgcttttgt	atgacgggaa	ccggtctgag	tctagctttc	acgatatttt	840
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<210> 4484

<211> 1020

<212> DNA

<213> *Aspergillus oryzae*

<400> 4484

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tctgatactc	ttttatccca	atggggcacg	aggggctgag	aagacactgg	cttttctggc	120
aaggtcacca	atgcgcgcca	gaaggctggc	aagaaataag	ctgggttaata	tgtgcgggga	180
tgcaattatg	aaccttttat	gagcacaaaa	atatggaatt	ctcatgaaat	catgattcca	240
tcgacaacca	tcgactttta	tctattttca	tctcaaagtc	gactaaatcc	atcaaaccctt	300
atctctaaag	atggccagaa	ctaagcagac	tgcccgttaag	tccactgggtg	gcaaggcccc	360
tcgtaagcag	ctcgccctcca	aggccgcccc	taaggctgct	ccctctaccg	gaggtgtcaa	420
gaagcctcac	cgttacaagc	ctggtaccgt	cgctctccgt	gagatccgtc	gctaccagaa	480
gtccaccgag	cttctgatcc	gcaagctccc	cttccagcgt	ctgggtccgtg	aaatcgccca	540
ggatttcaag	tccgacctcc	gtttccagtc	ctccgcctcc	gggtgctctcc	aggagtccgt	600
tgaggcctac	ctcgctctct	ttttcgagga	caccaacctc	tgcgccatcc	acgccaagcg	660
tgttaccatc	cagtccaagg	acatccagct	cgcccgccgt	ctccgtgggtg	agcgctctta	720
gattattctc	taatgagtc	ggtttttctg	gttgtctctg	ggtaggcgat	taggggtttt	780
atttcttttt	cacgactggc	gatacatgat	gggttctttt	ttttcatttg	cgaatatcaa	840
tgggtttcgg	cactgggatt	agttttcggt	ttgtcgcgca	ataaatagta	ggctgccgac	900
gacgcggctg	agtggatttg	atctcatggg	atgcatccga	gcatgtacat	taagaaattt	960
tacttgacca	agtggtattc	tctatgaatt	gccaccggat	ggcatagatt	cgaatgacga	1020

<210> 4485

<211> 736

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 4485
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 gtacgaacta ctcgatatagc cttgagttca accagggttat tatttttcgtc aagagcacac 120
 tccgtgcaaa tgagctggac aagcttttgc gcgagtgtaa cttccccagt atcgagtc 180
 actctgggtg gagccaggag gagcgtatca aacgctacaa agaattcaag gagttcaaca 240
 agcgtatctg tgttgctact gatgtcttcg gacgtgggtat cgatatcgag cgtattaacc 300
 ttgctattaa ctacgacttg cctgcggatg ctgactcgta cctgcaccgc gttggtcgtg 360
 cgggtcgttt cggtagcaag ggtctctcga tctcgttcgt cagcaacgag gaggacgaga 420
 aggtccttaa ggatattgag aagcgtttcg aagttgctct tctgaatac cccgagggtg 480
 gtgttgactc cagcacgtac atggcataaa tggccggact gtcaatacag cgtggctggg 540
 gcgattcgat attttgtcat tttctaactt gagatccctt tttctttact tttgttgatc 600
 ttttgggcgc gatggttcgg gtgtgatttt tgtttccggg aaagtgtctt ttgcaagctt 660
 cttcgtgagg gcaactggtc gcaggattgg aaaaggatgg gggaaaagct tacacaggca 720
 tgtgttaatc actagn 736

<210> 4486
 <211> 761
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4486
 ttatagcctg tcgattcgca cgaggatcgc ccacgacagc gacaagacca aacaacaatg 60
 acagaccatc cagatcaacc gttcacaggc caggagtatg ctctagatga cattgtaaaa 120
 ctcatcaaaa ctggaaaggc aaccgcgtatt gtctgtctag caggggcagg aatctccaca 180
 gcagctggag tgcccgcactt cagatcacca gcaacaggcc tctacgacaa actggcgcca 240
 ttaaaaacttc ccttcccgga agccatcttc cacatcaact atttccgaca cagccagaa 300
 ccattctacg cgatagcgag agcccgaat cccaaaaacc tccaaccaac aatttcgcac 360
 gcatttctgg ccttgctggc taagaagaac ctgctggatt ttgtgttcac gcagaacatc 420
 gatggccttg agctggatgc cgggtgtccc gccgagaaag tactttctctg tcatgggaac 480
 tggaagagtc agcgatgtca taaatgcaag acaccatacc cggatggacc tatggctgag 540
 gcaattgaga cagggcagggt gccgtactgc caggctccag attgtgggtg cgcggtcaaa 600
 ccggtggttg ttttcttttg ggaacctctt cccgcgcct ttgaagttga ggagaagagg 660
 gtatttggcg cagacttgat gattgttatg gggacaagtc tcaaggtggc gccatgtgca 720
 agactttccc gtcagggtgaa agagggaaca cccagattgc t 761

<210> 4487
 <211> 922
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4487
 tcacttcctt cctcgtttac atacctcttt ggatactttt ttttttttta tttcccgcaa 60
 ttccattcca cggctcagtg tttcagccgt cagtcactcg ttgtagtata tatactcttc 120
 tagactttct caatccactc cgcgattggt atttcattaa ttogacctga tatcactggg 180
 tctgcagatc aagttgatca atccctcgtt gtcttccgct gcagatcatt aactgtcgtc 240
 gctgcggctg gtatacgttt gaacgactgt caatagattc tcatcatgaa ggccgcattt 300
 gctcttgccg gggcttcgct cgtgggcagc gtcttgccga ccttgccctg catcgagtcg 360
 aaggggaaca aactcttcta ttccaacaat ggcactgaat tcttcatccg tgggtgttgc 420
 tatcagcagg aatattcttc caatggcacc agcagctcca gcacaggcta cggtaacgaa 480
 tccaacggcg actacaccga ccctctgtcc gaccccaaga agtgcgagcg tgatatccct 540
 tacctgaagg aactgcggac caacgtcatc cgtacctatg ccgttgacct caaggccgac 600
 cacactgagt gcatgaagat gcttgacgac gccggcatct accttatcac cgatctgtcc 660
 tccccttcgg agtcgatcaa cgtaacgac cccaagtggt acgtggacct gtactcccgc 720
 tacactagcg ttgtcgatgc cttcgccaac tacaccaatg ttattggttt ctttgccggg 780

aacgaggtcg	ccaacgacaa	gaacaatacc	aactctattg	cattcgtaa	gggcgtgtt	840
cgtgacatga	agaagtatat	caaggccaag	aagtaccgtg	aatccctgct	catcggttac	900
gccaccgacg	atgacgctag	ca				922

<210> 4488

<211> 617

<212> DNA

<213> *Aspergillus oryzae*

<400> 4488

caccaagtgt	gctttcactg	aggatgtcat	gaagcgtttc	gagtcctatg	gctggcacca	60
cgtctgggtc	aaggacggtg	acaatgacct	tgaggccatt	gagaaggcca	tccaggagt	120
ccgtgaggtt	aaggacaagc	cctccgttat	ccgtttgacc	accaccatcg	gtttcgttc	180
caagctgcag	ggcaccggtg	gcgttcacgg	taacccccctg	aaggctgacg	atgccgagag	240
tgtaaggcc	aagttcggct	tgcaccccaa	gcagagcttc	gtcgtcccc	agcaggctta	300
cgacctctac	cacaagactg	cttctcaggg	tgctgctaag	gagcaggagt	ggaaccagct	360
cttcgagaag	tacgcctctg	agtacaagga	tgagcacgct	gacctcactc	gtcgtcttgc	420
tggcaagctt	cctgaggggt	gggagaagag	cctgcccacc	tacaagccca	ccgacccgc	480
tgctgcctcc	cgtaagctgt	ccgaggccgt	ccttgagaag	gtccacagt	tcaccccgga	540
gctgctttcc	ggctctgctg	atctgactgg	ctccaacaac	acccgctgga	agaacgccgt	600
cgactttcag	ccccctg					617

<210> 4489

<211> 1026

<212> DNA

<213> *Aspergillus oryzae*

<400> 4489

gcttgacac	gtcctttgtc	tccaagaacg	attctaagg	caaaggaact	gaaaccaaga	60
aggcggactc	cgctgagctg	ctgaatccta	ccgcggtatc	ggggtcttcg	tgcgagaagg	120
caaccgctga	tgaagaggaa	gaggatccgg	aaaacatgaa	ggctagtga	ctggccaaga	180
ggctcgcaaa	gatcaaccgt	aacgactacc	gtgccttget	tcagttcatt	tctgaacatc	240
cagaaatcgt	cgcagagaag	gaaacggatg	gtttgctagt	cgaagcattc	aatagccaaa	300
tggaaagtaa	agaggactat	gctcgtacat	gcgttcacca	cggcctgctg	ctgcagtatt	360
gccgtcctt	gggcgctgat	ggtatcttct	tcttctttaa	gcgtatcacg	acgaaagatc	420
atcaagcatc	gacgttttct	cgaaacgatg	tcaatgaaac	ctacaacaag	atcaagacct	480
gtgcagcaga	actcgctaag	gatggctctg	catccaatga	ccctgctggg	gttgagcaga	540
tccagcttca	tgcggttgat	cccaacacta	agatcaccat	caacattcct	gctgcagaga	600
gcagcgaacc	tgctgaagtc	gaagcacgca	agatctttga	atcattttct	aaggaattgc	660
aacaggcatt	gagctctgaa	tctctagatg	aggtcaataa	ggttctcggc	aagatgagt	720
tcgaggaggc	agaagatggt	gtggagaagc	ttggtgaaag	cggatgctc	agcctcgagg	780
aaggtattgt	ggatgccacc	acagaagaag	gtcggaaagaa	ggtggaagag	atcgaagccg	840
aaagtaaaag	ggagaatagg	attgaggaag	tgggagagcc	aggcgggtgac	attactgaac	900
ttgactaaag	ctctatacgg	gagactggct	gacttcaatg	acgtgtatat	ctttctgcat	960
ggttcaaaaa	tgatgcattg	tctaaaaaaa	aaaaaaaaac	aaaaaaaaaa	aaaaaaaaaa	1020
attcct						1026

<210> 4490

<211> 828

<212> DNA

<213> *Aspergillus oryzae*

<400> 4490

ggttcttgg	gtggagtgc	aaaccaagg	aaaaaaggat	tgttatttct	gacacctcac	60
cgtcgtcgcc	gacggctacg	cctccaagtt	ccgaaaacaa	taccacacca	atactccaac	120
ggtcaagtcc	cggttctggg	ctctcgagct	aattgacacg	aaacttctct	cacctaacca	180
cggacacgtc	ctcttaagtg	caaatcccc	gatcctcctg	taccagattg	gcacccacga	240
gacccgtatc	ttggctcgaca	tcccagagaa	cctcccatct	gcgtcagtca	agaatgggtg	300
tgtcaagaat	cacctatgga	acgtgacct	accatctctg	cccagatctg	tccagccagc	360
ctttcgcgcc	gcgctggaaa	agggcccgtt	gaggtctatg	cogaactcat	tccttcccgc	420

cgcccagaac	aaaactccgg	ggcttgtaat	actgggggat	gcgctgaaca	tgcggcaccc	480
gttgaccggt	ggcggcatga	ctgtggcttt	caatgatgta	cttgtgttcc	gggatctgtt	540
gagtcccgaa	aaggttcccg	attttgcaga	caccgaaagg	gtgttgaagc	agctgaagtc	600
cttccactgg	aagcgaaaaa	aacggatcct	ctgtcatcaa	tatattggcc	atgggcgttg	660
tacgcccttt	tctctgcgaa	tgatgaaaac	ctccgcgtcc	tccagcaggg	ctgcttccac	720
tacttcgata	tgggcatgta	ctccgagcca	atgggtcttt	tgggcggcct	tatcaaaaag	780
ccctttggac	tattctacca	tttcttcact	gtcgcattca	tctctctt		828

<210> 4491

<211> 764

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(764)

<223> n = A,T,C or G

<400> 4491

ggtggctata	cactattata	cggaggcttg	actgcggagg	caaactctgt	agtgtctgta	60
tcatagcagg	tttatggccg	gtttatcgtg	ggtagtcag	tcgaccaatg	ggattcggac	120
tggatggaat	tatgttcctt	ccacaacgac	cctacctcag	tgtgggtact	ctgcgtgacc	180
aagtcaccta	ccctcacacg	gaggtcgaca	tgcgcaagg	aggtatatca	gacgcacgtc	240
tacaaaagat	cttggatgac	gcccacttag	gttacctccc	taccgcgag	ggtggatggg	300
actcccga	ggagtggaag	gatgtcctga	gcggtggtga	gaagcaaaga	atggctatgg	360
cacgtctata	ctaccatgag	ccccgttacg	ccttcctcga	cgaagggaacc	tctgcggtct	420
cctccgatgt	tgagggttg	ctgtacgagc	gggccaaaga	gcgcggaatt	acactcatca	480
cgatctctac	gcgtgcgtct	ctcaagaagt	atcacactta	caacctcacc	cttggctctg	540
gctccgaagg	cgaacagtgg	gagtttgagc	ggattggcac	cgccaaggag	aagatgaatg	600
ttgagaaaga	gctgcaagaa	cttcgtaagc	ggctggataa	ggtcgatgaa	tggaaacaac	660
gccgagagga	gatcgagaac	gaactacgta	aggtttgggt	tgaggaagga	gagctggccc	720
cgccaccata	tactgaacag	cgganacag	ctganagctc	acgg		764

<210> 4492

<211> 699

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A,T,C or G

<400> 4492

cactttcggt	cctttgggac	acatactact	ttcccttttt	ttcatatcag	atttgacatc	60
tgatattgca	tcgagtggaa	atctatcgcg	gttagcgatt	ttccgtcatg	ccaagaata	120
agggaaagg	cggtagaac	cgctgctgtg	gaaagaacga	gagcgacaaa	gagaagcgtg	180
aactcgtgtt	caaggaagaa	ggccaggagt	atgcccagg	tgtgaagatg	cttggtaacg	240
gccgtctcga	ggcgctttgc	ttcgacgggg	agaagcgtct	ggcgcacatt	cgtggcaagc	300
tcaggaaagaa	ggtctggatc	aaccagggtg	atattatcct	tctctctctc	cgtgattacc	360
aggacgaaaa	gggcgacgtt	ctcctgaagt	acaccgccga	tgaggccaga	agtctcaagg	420
cctacggcga	gctggccgaa	cacgccaaaga	tcaacgagac	cgatacctac	ggccaggaag	480
ggcttcgagg	acaacgtcga	gttcgacgaa	gaccgcgaaa	gcgaagacga	gaaggagatc	540
gatgtcgacg	agctctacaa	accttcaccc	cgttggattc	atccctgcga	gagctactgg	600
agatactggg	ngncacgccc	tctattctct	ttcttatagg	caaactatct	tctttctggg	660
aaatccgaca	agcttccttc	tgtgagggct	ctttttgcg			699

<210> 4493

<211> 650

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(650)

<223> n = A,T,C or G

<400> 4493

tatcctgtcg	cgcctctttt	tacggacata	tcagtataaa	aaaaatggca	ccacagctgg	60
aaccattttt	caaacagggt	gacggccttg	ccgaatcttt	catcgagcgt	ctgcgaaagg	120
ctgttgcgat	cccttctgtt	tctgcacagg	atgagaacag	aaaagacgtt	ttcagaatgg	180
ctcagtttct	ggcctcggag	ttggaggctc	ttggcgctga	ggtgcatcaa	aggccgctgg	240
gaaaacaacc	tgggaaggaa	caccttgacc	tacccccagt	tgtcatcgct	cggtatggca	300
atgataaaaa	caagcgaacc	atactgggtt	acggccatta	tgatgtccag	ccagcattga	360
aggaagacgg	atggggccacc	gagccttttc	aattgacggg	tgacaaccaa	ggaaggatgt	420
acggccgtgg	aagtacagac	gacaaagggt	ccgtcttggg	atgggtgaac	gtgatcgaag	480
cccacaggaa	agctgggtgt	gagctgccag	tcaaccttct	ttgctgcttt	gagggcatgg	540
angagtatgg	ctcgaanggg	ttgaggaatt	tattcaagct	gagagcaaag	gctttttcag	600
gatgcggatg	ccgtctgcgt	atcagataat	tattggcttg	gaacagagaa		650

<210> 4494

<211> 673

<212> DNA

<213> *Aspergillus oryzae*

<400> 4494

ccccgcgtg	tacgctgggc	cctatgatgg	agcgtgaaga	ttccagggat	gtactgggtca	60
tcaagcaagg	gctaccgaac	atgtctttat	ccgatattgcc	tgcaggatct	gtcgttggca	120
cctcctccat	ccgcctgact	gctcaattag	ccttgaaata	ccctcaccta	aagggtattg	180
atgtgcgtgg	gaatatcggc	acacgactcg	ctaaactaga	cgcggaagat	tcaccttata	240
cttgcattat	cctggcagct	gccggcttac	tgagactagg	tctcgatgat	cgcctctcgc	300
agtacctgga	ctcgaaaaac	ggtgggatgc	tttatgcagt	tggccagggt	gcgttgggca	360
tcgaaatccg	aaaggatgat	caggtgatgc	gtgatatgct	gaacaatatc	ggtcataatg	420
agacgacatt	tgccagcacc	cgggagcgga	gcctgctacg	aactcttgaa	ggcggtcgca	480
gtgcaccact	tggagttgaa	accgaatgga	ttaaatcatc	tgatggttcg	aagaagctcc	540
gaatgaggtc	catcggtggt	agcgtggatg	gtaaggaaag	cgctgaggtc	gaaatcgatg	600
gaagtgtcga	ctccgttcaa	gccgctgagg	actttggcgt	gactgttgcc	aaggaattag	660
taaccaaggg	agc					673

<210> 4495

<211> 748

<212> DNA

<213> *Aspergillus oryzae*

<400> 4495

gtattgagat	ggattcaagt	tcagcacgag	gaatcgcaac	catgcagatg	taggtttccc	60
tcgtactccg	cacccatatt	gaacctttta	acccgccgat	gcgaccaga	accggctgcg	120
attgatatga	aatgaacgat	gacgggggaa	acgttgctga	caagattccg	atgatagttt	180
cgtcaagacc	ctcacgggta	agaccattac	cctcgacgtt	gagtcgagcg	acaccatcga	240
caacgtcaag	gccaaagatc	aggacaagga	gggtatcccc	cccgaccagc	agcgtctgat	300
cttcgccggt	aagcagcttg	aggatggccg	caccctgagc	gactacaaca	tccagaagga	360
gtccactctc	cacctcgctc	tccgtctccg	tggtgggtatc	atcgagcctt	cccttaaggc	420
cctcgccctc	aagtacaact	gcgagaagaa	catctgcgcg	aagtgtctacg	cccgccttcc	480
ccctcgtgcc	accaactgcc	gtaagaagaa	gtgcggtcac	accaaccagc	tccgccccaa	540
gaagaagctc	aaataaacga	ttcgccctat	ctatcttggt	acggtttttc	tacgttgctg	600
tgggtggagac	ttgctggggg	ttatgagtcg	attgcagctc	gggagggttt	gtacggcggt	660
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gttgcaatca	aaagaattgt	aaaaattc				748

<210> 4496

<211> 676
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

<400> 4496
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 gtctggttgt cccgcgatac caccaccggt aaacacgctg ccctcaaagt cgttcgttcc 180
 gccgctcact acaccgaaac cgccatcgac gagattaagc tcctgaatcg cattgtacaa 240
 gcgaagccgt cgcacccggg tcgcaagcat gtcgtcagtc tcctcgactc tttcgaacac 300
 aaaggtccca atgggggtcca tgtatgtatg gtatttgagg tattgggtga gaatctactc 360
 ggtttgatta agcgatggaa tcatcgcggc atcccgatgc cgctggtaaa acagattacg 420
 aaacagggtcc tcctgggggt ggactatctc caccgcgaat gcggtatcat tcacaccgat 480
 ctgaaaccgg agaacgtatt gatcgagatc ggcgatgtgg aacagattgt gaagacatac 540
 gtgaaggagg agcagaagaa agaccacaaa gaggataacc gcaatggccg gcggcggcgc 600
 aggaccctaa tcacgngag tcaaccgttg ccagtcgcgc tcaacaccac ctttgatttc 660
 aaacacagct tggacc 676

<210> 4497
 <211> 648
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

<400> 4497
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 aattatcctc ccacaaaatg ggtgtccaga agaaaacccg caagttcgcc cagggttaaac 120
 gagccatcaa aaagcacgat gaccgcgcca aaaaagacaa caacgccccg aaacaagaca 180
 aggccaaggg cgacgaggtg gtccgggcga ttcccaggc tccgtcgaat atgttcttcg 240
 ccgccaacac ggccctcgga cctccttacc atgtgtcgtg ggataccaac tttgtctccc 300
 actctattcg cgcgaagacg gatatgctga agtctatgat ggacctgtta tatgcgaagt 360
 gtatcccagc gtttacggat tgtactattg cggaaattgga aaagttgggt gataagttcc 420
 ggttggcggt gagggtggct aaagatccga gatgggcgcg cggtcggtgt gatcaccg 480
 gtacctatgc tgatgactgt ttanttgatc cgaatacaaa acacaaaatc tactttgggc 540
 gacgaacgat aaggacctgt ttcgccgtat tcgcaagatt ccggtgtgcc gatcatgaag 600
 gtcgcaagag cgaaatacgt cattggaaga ttgcccagaca cettgagn 648

<210> 4498
 <211> 744
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4498
 caacagtcga caaaaatggg gcgtctcacc gagtaccagg tcacgggcg tcacttgccc 60
 accgaggcta accccacgcc caagctttac cgcatgcgca tctttgcgcc taacactgtc 120
 gtggccaagt cccggttctg gtacttcttg acccagctcc gtaagggtcaa gaaggccaac 180
 ggtgagatcg tcagcctcaa tgtcatcccc gagaagcgtc acctgaaggt caagaacttc 240
 ggtatctgga tccgctacga ctctcgctcc ggtaccacaa acatgtacaa ggagttccgt 300
 gagatgagcc gtaccgaggc tgttgaggct ctctaccagg acatggctgc ccgccaccgt 360
 gcccgtttcg gctccatcca catcctcaag gttgttgagg tcgacaacgc cgactccatc 420
 cgccgcccct acatcaagca gctcctccag aaggacctca agttccctct gcctcaccgt 480

gccgccaagt	ccgagggcaa	gaagatcttc	gcttactctc	gtcctgctac	cttcgcttaa	540
atgtgaaatt	ttgggtgttt	ggggaaggag	tgtgcggatg	aaatgactat	gttatggcca	600
tagcatgcat	gcaggacaga	gcacgcagag	aacatggcgt	gtatctacaa	cccagataat	660
gggagaaatg	gttttgatgt	ctcactagtc	ctctgcagcg	acctttctag	ttaaactctc	720
taaaaatacc	gggtttgtct	tctg				744

<210> 4499

<211> 629

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(629)

<223> n = A,T,C or G

<400> 4499

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ttatccgaga	tcgtacataa	gcacgcggtg	cgccaggcgc	acctcttccc	gttctacagt	180
atcccagcta	ttaacagcgg	ggccgcaact	ctgcgtgctg	gtctcggctc	tcctgaagat	240
agcaagtcag	tggagatcat	cgcgttgaac	ggacgcagag	gctggtggcg	gaggtacgac	300
ccatcggaca	acgcggacta	cagtttggcc	cgtgttgagt	cctgngtgga	cgctattcgc	360
ttgggcgaag	gttctaagag	caagcttcct	gaaggggtca	tcgtcactga	ggtcgagcct	420
gagcgaggag	ctgagaaacc	aaccgccgat	cacgacgagc	tgtaagtcaa	agctgttaac	480
agctggatct	aggccgtagc	tagagttggt	ggacgtctac	actcctttct	tagcagatgg	540
ccgtttattt	caagtagctt	ggagcggagg	cgttacgggt	agtcaatcaa	taggatgtag	600
cttttcaaca	gatataagtt	gattccaan				629

<210> 4500

<211> 870

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(870)

<223> n = A,T,C or G

<400> 4500

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catggccctg	tcatccatgg	acgcgccatc	gagaagatcg	atgagcatgt	ccgtgatgcc	180
gaatcgaagg	gagccaagggt	cgctgttgga	ggccgtaaat	tgtcagactt	gggccctaac	240
ttctatgata	tgactgtctt	gaccgacatg	aacaaagaca	tgttggttgc	ctctgaggag	300
acctttggcc	ctgtggctgg	actgttccca	ttcgagactg	aaaaggagggt	tgtcgacttg	360
gcgaaccgtg	cagaagtttg	cctggctgggt	tacttcttca	gcggcaacgt	caagcgcac	420
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gatgtcgctt	ctccgttttg	tggtgtcaag	cagagcggtt	tcggccgtga	gggcagtaag	540
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acgcccttgg	gtggtcttat	agattagaac	cncggnagc	gcatagtccc	actgggtctt	780
tgttataatt	atgacgaacc	tgggaacgac	atgagaagaa	atgcttagct	ctaataatac	840
tacaaccaat	accagcgccc	gtttcccatc				870

<210> 4501

<211> 388

<212> DNA

<213> *Aspergillus oryzae*

<400> 4501
caactccttc tcccatgaaa aactgaagt ggtcatggtg aacgacctt ttatcgaggt 60
tcaatacgcg gcatacatgc tcaagtacga ttctaccac ggcaactttg aatatgatgt 120
tcacattgac ggtgactcca ttgttgtaa cggcaagaag gtcaagttct acgcggaaaa 180
ggatcctgcc aaaattccat ggaaggatgc tggagcggaa tatattatcg agtcgaccgg 240
cgtgttcaact actgtggaaa aggcaagtgc tcaccttcaa ggtggcgcca agaaggtcat 300
tatctctgcc ccttctgccg acgcacccat gtacgtcatg ggggtgaatg agaagactta 360
tgcagggggcc gatgtggtgt cgaatgcc 388

<210> 4502

<211> 734

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(734)

<223> n = A,T,C or G

<400> 4502
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cggcccgccg cacaccaagc ccgtgcgctg ctccaactgc gtcgctgctg tccccaagga 180
caaggccatc aagagattca ctatccgcaa catggttgag tccgctgcca tccgtgatat 240
ctctgacgcc tccgtcttca ccgactatgc cgtccccaag atgtacctca agctgcagta 300
ctgctgtctc tgcgctatcc acggcaagat tgttcgtgtc cgttcccggg aaggtcgtcg 360
caaccgtgcc cctcctcctc gcacaggtta caacaaggac ggcaagaagc tgaaccccc 420
tcaggccgct aaggctatgt aaggaaggga aacagaagag aaaattggga ttagtttaa 480
aggcttggtc ttttcttgtt tctttattga acagactttc ttactcgggt caaatggaat 540
gaatggggtt cagttttggg gtcgaaggct tgcattacgg gttgcccgtg ggcaggagac 600
gccaaataaa caaaacaaaa tctaaacatt tactgttcac aaaaggtaaa cgaacataag 660
ccagtggaga cgggaaccgg atgcacccaa ttgggtcggg ccagggtctt catgattnca 720
ttgtatggcg acct 734

<210> 4503

<211> 1258

<212> DNA

<213> *Aspergillus oryzae*

<400> 4503
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tcaagacctt cggagagaca ttgaccttg tgcgcaaget cttccagtcc accaaccctg 180
ccgcccagcc cttcgtcatc tccggtagcg gtacccttg ctgggatgtc gtcgcctcca 240
gcttggtcga gaaggagag aatgccctcg tcctgcacac cggctacttc gccgattcct 300
tcgccacatg cttgcaaacc tacggtgcga acgcaacaca gctcaaggca cccatcgag 360
agcgcctcgt gttcgaggag attgagcagg ccctgaagga gaagccctac aagatcatca 420
ccatcaccca cgtcgacacc tcgaccggtg tgctcagtga catcaagcgc atcgccgaga 480
tcgtccgccc cgtcagcccc aacaccctgg tggctcgtga cgggtgtctg agtgtcggct 540
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ccatcggttg cccccccggg cctcagcatc ctgatgacct ccccccgcc catcgacgtc 660
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cagctggccg cgaagccaga gaaccaggcc cagcccatcg cggccatcg gctgccgag 960
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gaagccaagc	aggccaaggg	actgtaaagt	atgatacctt	ccatgtttca	cgaacttaag	1200
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<210> 4504

<211> 678

<212> DNA

<213> *Aspergillus oryzae*

<400> 4504

cgtattgcct	gcttttgctt	gcaggccaat	ttgggagacc	atggctttcc	ggcgtccttt	60
gatgctgtcc	aagacagcat	cagcgccttt	ttcctccctt	gctggcagaa	ctgcccagat	120
ggccgcgact	ctgccccggt	tcaccacagc	tagagcctct	tccagctcga	cctccgccct	180
cgctacaag	gcgctccatc	gtcgtctctc	ccttccctct	cctgtgtcgg	actcttctcc	240
gcaatgggat	gctccgactg	ccgtctcgtc	gattctgtat	gagactcccg	ttgcgcgcac	300
caaccccccg	aaacgccata	tcctgaactg	tctgggtgcag	aatgagcctg	gtgttctttc	360
tcgtgtttct	ggaatttttg	ccgcccggtg	cttcaacatt	gacagtctgg	tcgtgtgtaa	420
caccgaagtc	gaagatctgt	cccgcacatg	catcgtgctg	cagggtcagg	atgggtgtcgt	480
cgagcaggcc	cgacgccagc	tcgacgacct	cgttcccgtc	tgggcccgtc	tcgactacac	540
agactctgct	ctcgtgcagc	gcgagtgtgt	tcttgcgaaa	gtcagcatcc	tgggccctga	600
gttcttcgag	gaattgtctc	agcaccaccg	cgagatcacc	acccccgggg	agaccctgga	660
cggccagaat	gataatgg					678

<210> 4505

<211> 763

<212> DNA

<213> *Aspergillus oryzae*

<400> 4505

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aaatccacca	tcacaatggc	ctcctctcgt	atctttgcct	ctcgccctggc	ctcccagatg	120
gcccgaacca	ccaaggttgc	ccgcccgggc	gctcgcttcg	ctgcccccaa	gcgtaccttc	180
accaccagc	gcaagaccgc	tatccccatg	accccttcc	agaccgtcaa	gcgccagcag	240
ccttccatga	tcaggcccaa	cgctcgccag	gtcttcgcca	acgtccaggc	ccgccgccag	300
tactctctcg	agatcgccga	cgccatggtc	caggctctcc	agaacatggg	tatgggttcc	360
gcccgcattg	gtctcggtgg	tgcgggtatc	ggtatcggtc	tcgtcttcgg	tgcctctctc	420
ctcggtgtct	cccgaacccc	tgcctctcgt	ggccagctct	tctcctacgc	cattctgggt	480
ttcgcttctg	tcgaggccat	tgggtctgtc	gacctgatgg	ttgctatgat	gtgcaagtac	540
gtttaaacgg	atcggtgaaa	caacaacacc	aattatccga	aagggcaata	tgagggcaaa	600
tgcaatttcc	ttgaatttct	caaactggtc	aaattgaatg	gaaaggtctt	cgatcggatt	660
ctcgccgttc	agttaggagg	taatcttgtg	gtggtctttt	tatatatcat	gtactacttt	720
cccggcatca	tctatcatcc	caatacactg	tacatataga	ggt		763

<210> 4506

<211> 656

<212> DNA

<213> *Aspergillus oryzae*

<400> 4506

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ctacagaatg	cccagcagcc	ggcgggtggag	ctgtgtgcgg	agcgcgagct	cagcagctac	120
tcgcgcttca	ccagggttag	catcagcgag	ttcatgacca	tgttcagcaa	gacggctgcc	180
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tatgcgcgga	cccaaggcat	cgccggtgtc	attatcagcg	acaatgaata	cccctctctt	300
gccgcccatc	agatcctttc	caaggtcctt	gatgagttcc	tcacgctcaa	ccccaacgca	360
ggcaccgccca	cccagcctgt	ctccttcccc	tccttgaaga	catacatctc	ggcgtaccag	420
gaccacacc	aagtggacag	tatcatgaag	attcagaagg	agctggacga	gaccaagatt	480
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aataagagtg	aggggttggt	ttcgcaatcg	aagatgttct	acacctctgc	gaagaagcag	600
aatagctggt	gcattcttat	gtaagagaga	tcccaccgga	gcggggaata	caacct	656

<210> 4507
 <211> 612
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 4507
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 ataccgctat cgcgtttgtg cagcgtatgg gcaagattgc ttctgtctcc gctgactcgc 180
 ccggtttcct tgctaactgt atacttatgc cttacatcaa cgaggcaatc atctgtcttg 240
 agactggagt tggtgcccg caggatattg acaatatcat gaagaatgga actaacgttc 300
 ctatgggacc tttgactttg gccgatttca ttggacttga cacctgtttg gctatcatga 360
 atgttttgca tcaggaaaact ggagatagca aataccggcc atccggactt ttgaagagaa 420
 tggttgatgc cggttggatg ggcaagaaga ctggaaaggg cttctacgaa tactgattga 480
 gggtttgatc cttgtctact agttacgtcc tgatatccct gttacactgc tataaaaaata 540
 gattactata tcaacaattt atggaccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
 nnnaaatttc ct 612

<210> 4508
 <211> 847
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4508
 cgttcaaggc agtacactgg tataagcgtg ctgcatcctt gggatgatcca ccagcaatgt 60
 acaagatggg aatgattatg ctcaaggggc ttctcggcca agcaaagaac cctcgcgagg 120
 gtgtctcatg gctgaagcgt gccgcagaac gtgccgatgc cgaaaaccca caccgactac 180
 atgaacttgc gctcatgtat gccaatgcag gcccgaaatga catcgttatc cgtgatgagg 240
 cgtatgctag tcaactattc caccaagctg cagaattggg gtataagttc tcccagttcc 300
 aattagccac tgcatacgag tatgggttga tgggggtgcc tgtggaccct cggcagagta 360
 tcttttggtg tactcatgcg gcagcgcagg gcgagcatca aagtgaactt gccttgagcg 420
 gatggtatct gactggcgcg gaggggattc tgcagcagag cgacacagaa gcctacctct 480
 gggcacgcaa ggccgccact tcctgtcttg caaaggcaga atatgcaatg gggtattata 540
 ccgaagtggg aatcggggtc accgcccaata tggaggatgc taagcgaatg tattggcggg 600
 cagctgcccc aggatttccg aaagcccgcg aacgccttga agaaatcaag aagggcggag 660
 cccggatgca gaaagctcgg ctttctcggg ctgggtgccaa ccaacagaag cagaacgaag 720
 gcgactgcat ccttatgtga tgtcggaacg gggaactata gatttaatgt ctcatgcacg 780
 agcattttct tttcaattat gaaccattt gcattacctt tatttttctt tcggcccggt 840
 gggaaaa 847

<210> 4509
 <211> 1402
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1402)
 <223> n = A,T,C or G

<400> 4509
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 cacttcatag tttcagtgtg accgcggaga gagggatttc tttgtcctct cctagcctat 180
 acattttaacg gttgcctgtg aaccctgtg gttctactcc ggaatacgcc acttcatttg 240

cttcttttattc	tgatcggttg	atcttctctt	caggtcctct	ttatatatttc	cctgcttacc	300
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aattcccttc	tttgaacatt	tctttcttta	gtcgttcgtt	ttacaggaat	ttttctttgt	420
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gctctcgtga	tcgctctcgc	tattggtcta	ggagttggct	tgggagtcgg	tctgaataag	600
ggtggagggg	atgacgaagg	cgaggttccg	cccactaccg	gaggaggcgt	gaccacagcc	660
aagtggcaac	cggccgtagg	aacgaaatgg	cagatcgagc	ttctgtacgc	gctcaacgac	720
acttcagtag	acgcagatat	ctacgacatt	gatctcttca	acaatgacaa	gtcgaccatc	780
accgatctac	aaaagcaagg	acgcaagggt	atctgctact	tctccgctgg	gagctacgag	840
aactggaggc	ccgacaagga	caagttcaag	gactccgata	tgggtaacac	gctggatggg	900
tggccgaatg	agaaatggct	tgacctcaac	tccaagaacg	tgcgagcat	tatgacgtcg	960
cgtctggata	tggcggtcga	gaagaactgc	gatggagttg	acccgataa	cgctgatgcc	1020
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ctcgccaatg	aagcgcatgc	acgcaatatg	tcaattggtc	tgaagaatgc	cggggcgatc	1140
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gagtgaata	cctatgccgc	attcatcgat	aagaacaacc	cgtcttcaaa	atcgagtacc	1260
ccaagggcga	cgacaccaac	aacaacgatt	tggtcaacac	gagcaagana	aagatgcttg	1320
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ggttccagac	ctggtaatcg	ag				1402

<210> 4510
 <211> 670
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(670)
 <223> n = A,T,C or G

<400> 4510						
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gaggcttgct	aaggagcata	ttgagaggat	tgctggcaac	aaccaggaca	agattatctt	180
cggaaacggc	gagactgggt	ggcccaccga	tggcggttct	gactatggaa	acgccaaggc	240
tagcactcaa	aatgctgaac	ggtactggaa	ggacgctgtc	tgcgctatgc	tgacctgggg	300
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tttaggaaat	tggataaact	tttggggttg	gccaaaaaag	gggttaattga	acaacaannn	600
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<210> 4511
 <211> 1229
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1229)
 <223> n = A,T,C or G

<400> 4511						
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aacgactgtt	ccttatcggt	cctcgacca	accctcacat	ccgtctggat	gcgcacaatc	180
ccctgctgat	gcagaaccgt	atgcgcctgt	ccaataacct	gatgaacttt	gtcccagggc	240

ccctcgaggg	ttgtgccggc	gctgtgcatc	acgtacttga	gaccggattt	ctcgattagg	300
cgttggacgt	cggcgatttg	ggcggaacg	gagggggagg	aggtgccgat	cgggattagg	360
cagaagtctg	cggtgcantg	ggctggtggt	gggatggagg	agatatcgga	ggaggccatt	420
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ggacaatggg	taatttatcc	ggttcggatt	ggaatatcaa	agtttaatct	cactcagacc	540
ggtcttgtcg	agcacaccac	cgtcgacaag	atgcctaccc	gtttctcgaa	gacaaggaaa	600
gcccgcggcc	atgtgtccgc	cggttacggt	cgtatcggca	agcaccgcaa	gcaccccggt	660
ggtcgtggta	tggccggtag	tcagcaccac	caccgtacca	acctcgacaa	gtaccacccc	720
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gtgaacggcc	agaagaccga	cactgctccc	gttatcgacc	tccttcctct	tggctactcc	900
aaggttctcg	gcaagggccg	cattcccagag	atccccatcg	tcgtccgtgc	caggtacttc	960
agccgggatg	ctgaacggaa	gatcaaggag	gctggtgggtg	tcgttgagtt	ggttgcttaa	1020
atgtggatta	cggggctatc	ttaagaaggt	caagtgcta	cgctgactct	ggtcggcggt	1080
attgaggctc	ggtttctttc	gaagggaata	aagactcgaa	catgggagcc	gcggatcggg	1140
ccatagggat	ccgtgtattt	acaaaacaaa	gggtttttgt	ttgtgatgag	catagcatag	1200
ccttcggaca	cccttacgat	ctcactatt				1229

<210> 4512

<211> 654

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 4512

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caaccaggca	tggagaacaa	ccgctggaaa	gatggccgaa	catggcatcg	gtgttgacat	180
gttcgtggcg	gcacctggcg	ggacgtatgt	tgatgtagct	acgataggcc	atgttgccga	240
agtatcgggc	gngagacat	tcttctaccc	caatttcac	gctccgcgag	acatactgaa	300
gctttcgcag	gagttcgac	atgcagttac	tcgcgagaca	ggctatcagg	caatgatgaa	360
ggtccgttgt	tccaacggtc	tccaggtatc	ggcatatcat	ggcaacttta	tacaacatgc	420
gctcggngcc	gacctggaga	tcggatcaat	tgatgccgac	aaggcgattg	gtgtcatggt	480
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tactacggcc	gaagggcanc	gacgggtgcg	ctgtatcaac	gtggtggcaa	caatcaatga	600
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<210> 4513

<211> 687

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(687)

<223> n = A,T,C or G

<400> 4513

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aagttggcta	ttgtccaagc	cgagggtatc	cgtgatagcc	tgcagaaaac	tgcaccgaac	180
cggtcctatg	agattgaaac	actacacacc	ctgggtgata	aagacaagtc	tacagccctt	240
tacaacttcg	gcgcaaagag	tctgtggacc	agtgtgttgg	aggagaagct	gacctctggc	300
caattggacg	tcatcgtgca	ctgtctttaa	gatatgccaa	ccacgctgcc	cgagtcgtgc	360
gatctcgcgg	caattactct	ccgcgatgat	ccacgtgatg	cgctagtatt	caaggccggg	420
ctgccttaca	ctagcttgca	gacactccct	gaaggcgcag	tagttggcac	ttcgtcggtg	480

cggcgctcgg	cgcaacttct	ccgnctctac	ccccatctgc	gctttgccaa	cctgcgtggc	540
aatgttgaga	cccgcttggc	caaagttgat	aatccagaga	gtgagtatac	ctgcatgata	600
atgtctgccg	cttgccttga	gcgcatctggc	cctaaacatc	gcataacca	atacataagc	660
tctaaggacc	gtggcattct	gcatgcc				687

<210> 4514
 <211> 712
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(712)
 <223> n = A,T,C or G

<400> 4514						
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actgcaagca	aggcaagggt	ctcatcaagg	tcaacggcca	gcccctctct	ctggtccagc	180
ctgagatcct	ccgcttcaag	gtctacgagc	ctctcctcat	cgtcggtgcc	gacaagttcg	240
ccggtgttga	catccgtgtc	cgcgtctccg	gtggtggtca	cacttcccag	gtctacgcca	300
tccgtcaggc	catcgccaag	tccctcgtcg	cctactacca	gaagtacgtc	gatgagcact	360
ccaagaacca	gctgaagcag	gctcttggtc	agtacgaccg	cacactgctc	gttgccgaca	420
accgtcgcac	ggagcccacg	aagttcgggtg	gtcgcgggtg	ccgcgccagg	taccagaaat	480
cctaccgtta	aacggccttc	aaatcaaaaa	aagaccatc	ttacggacga	ccgacgggaa	540
tacaaaaaag	gacgcggaat	ggtatctatc	aggtgtactg	gggaggagat	ttggagcgtg	600
ctcccagggc	aatcggttat	ggttcggatc	tggttgtcgc	tggggtggaa	ttattatggt	660
gcgatactac	tggctctgtc	gatgctggat	ttagtatagg	ccangtatct	ca	712

<210> 4515
 <211> 642
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4515						
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cttatccgga	tgtgacagtc	catgagctca	gtgatgacga	tgaattcctt	gtcatagcct	120
gtgacggtat	ctgggactgc	cagtcttccc	aggctgtggt	tgagtttgtc	cgccgcggta	180
tcgccgcgaa	gcatgaactt	taccggattt	gtgagaacat	gatggacaac	tgcttggctt	240
caaacagcga	aactggtggg	ggttgatgtg	acaacatgac	tatgataatc	attggcctcc	300
tgaacggcag	gactaaagag	gagtgggtata	atcagatagc	tgagcgggtg	gccaaaggcg	360
acggcccttg	cgctcctccc	gaatacgtcg	aattccgcgg	ccctggatatg	cgtaatcaag	420
ttgaagaaca	cccggatgac	tacgatatgg	aaaatgatcg	cgcgcgtggt	ttcagtgttc	480
gctcccgcgg	cattattctt	ctatgtgaca	ggacaaaaac	tgtcccttga	ccatatgacg	540
aagagctcct	ttgcccaact	gaagaatacc	gcacttgcct	attcaagtgc	cacgcgaatt	600
ggcttgatct	gccacgaatg	agcgtggaag	aaccccgga	cc		642

<210> 4516
 <211> 675
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(675)
 <223> n = A,T,C or G

<400> 4516						
cacctatcct	tttctctttc	ccttaggacc	aatcttttat	acctgtctaa	tttctagaat	60
tgatccaacc	aattgtctat	cggtcgattc	ttccttcgag	tatctcatct	gctcagcaca	120

tttcagtggg	ctgaacactc	gttggttcaac	gacagccaca	gtttcagatt	gctttgcggt	180
atccccctccg	cagataacaa	tttgcaatgg	cagaataccc	tgtggcctac	aatgggctcg	240
cgaccgggac	cggaggtgac	tctctgacgg	aagatctcaa	catctactac	agctctgggtg	300
acatcgcatg	ggttattggt	tcgacggctc	ttgtcttgtt	gatgattcca	ggagtcggat	360
tcttctatctc	cggctcttgcc	cgtcgggaagt	cggcactttc	gtactatggt	ctctcgataa	420
tgtctgtcgg	aatagtctcc	ttccagtggg	tcttctgggg	gtactctctc	gctntctctc	480
ataccgccgg	aaaatatatt	ggtagcttga	gcaactttgg	gttcaaagggt	gtcctgggtg	540
cgccatctgt	tggcagcgcc	aaagtcagg	atctcttgtt	tgtctgtctc	caacgcggtg	600
tcgctgttat	tacaatggca	ctcgccgttg	gtgttgtcnc	aaaacgtggc	cgcgctcttc	660
cttggtatggg	ttttt					675

<210> 4517
 <211> 695
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(695)
 <223> n = A,T,C or G

<400> 4517						
cttcaaagct	caattattct	ttcttctcca	cactatgtct	tctactcagc	tcaagaagct	60
gccgctccct	gtctccaagg	cccatgtttt	ctatcgtgag	tccggagcac	agtcagctcc	120
agtggttctt	cttctccatg	gcttcccttc	ctcgtcgcat	caatatacgt	acctcatccc	180
catcctagcc	accaagtacc	gggtcattgc	gcctgacctt	cctgggtttg	gctttactga	240
attcgaggac	gccaagatca	gagaaggcat	ccactacacc	tttgacaccc	tggccactgt	300
ggctcctcga	tttctcgacg	tcttatccat	caccaagttc	tccatgttca	ttttcgacta	360
tggctctccc	acgggtctga	ggctagctct	caagcgccg	caatctatcc	aggcaatcat	420
cacccagaat	gggaacgcgt	atgaagacgg	cctaggccaa	ttctggagcc	agatccgaga	480
gctttgggag	agcaacaatg	accctaaagt	tccggccaag	ctagcgacta	gcctactcag	540
cctcgaggca	accaagtggc	agtatgagga	atgaacgaag	ggacttgtcg	ctccagaggc	600
atatatgctg	gactacgctc	ttctccagcg	gcctgggaat	gcagagattc	agctggatct	660
attctggggac	taccagaata	acatanagtn	gtatc			695

<210> 4518
 <211> 679
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 4518						
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tacgcacgcc	atggatgtcc	ctgagcccga	gcgactccg	ttcaccgcgg	tgactgcaca	120
gacgtcgaag	ctcgccagaa	aatatcaaac	ccttctcgat	gcctcgacgc	cgttcactgc	180
ctaccgctgg	atcggcaccg	tcgtccttct	cattatcttc	ttcctgagga	tcatacctcg	240
tcagggtctg	tacatcgctg	cctacactct	cggcactctac	cttctgaacc	tcttccttct	300
tttcccttca	cccaagttcg	acccttctct	cactcaagac	gaaggtctcg	aggacggcga	360
cgagctgca	tccctcccta	ctaagcagga	cgacgagttt	cgtccgttca	ttcgccgtct	420
cccggagtgc	aagttctggg	agagcgccac	ccgcgccatt	gccattgggt	ttgtctgcag	480
ctggttcagc	gtctttgata	tccctgtgtt	ctggcctgtg	ctcgctgtgt	actggattat	540
cctttttgtc	ttgaccatgc	gcgacagat	ccagcacatg	atcaagtacc	gctacggacc	600
tttctccttc	ggcaaggcca	agtaaggctg	gtcgtaaatt	gggatngcat	aggcccgttt	660
cccgatgatg	attctcggg					679

<210> 4519

<211> 683
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 4519
 gtagccatca aatagttacc atcgtgtctg gagccttaaa caatgcggcg tctaagaaat 60
 acgaccttga agcttggttc ccatttcaag gagagtacaa ggagctggtt tcttgctcta 120
 actgcacaga ttatcaagcc cgggcttttg aaattcggta tgggtactaag aaagcaacag 180
 atgtcaagaa gtcgatatgtt catgctttga atgccaccct gtgtgtctact gagcggacgc 240
 tttgctgtat tcttgagaat tatcaaaagg aggatggatt tattgtgcca gagccccctc 300
 ggaaatacat cccaggtgcc ccagagtctc tcccttatac taaggaactc ccgaaggata 360
 gcacttctca gaaagccaag ggcaagcaga gctctaaggc agcaagtggg gcggaagaag 420
 ccacaaggaa gatccaggat ttacgggtgt gagtgcctaaa ggcgctgaga aattactgct 480
 ttatgtggaa tgatatctgc agcaacggcg gcaattgcga atctcattac acggtgttgt 540
 gagacgagaa catgctagca tgtagagtat ttatagagtg cangcagtct ctatgagaaa 600
 aaanannnnn nnnnnnnnnn nnnnnnnnnn nnnnnaaaaa aaaaaattcc tgcggcccgt 660
 tcgagcttgc atctanaagg ccc 683

<210> 4520
 <211> 719
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(719)
 <223> n = A,T,C or G

<400> 4520
 ggggtattga ctctggttct tatgcggcac gaggggagat cctcagactg ttaggactct 60
 cgttgggaaa aagtttagtat tgagttctgt ggcggaactc atgtgcaaaa gacaggcgac 120
 attaaggagc tcgttattct ggaagagagc ggcatcgcca aaggcatccg cagaattatt 180
 gcagtaccg gagaggatgc tcatgaagtg cagcgctcg ctctgggatt cgagaagcgt 240
 ttggaccgtc ttgaagcaat ggccctaggt cctgagaaaag aacaggatgc caagcaaatt 300
 caagtcgacc ttagccagtt attaattctca gcagttcaaa aatcgagggt ccgtgaacgt 360
 ttgtcacata tcaacaagca aatcattgat tcgcaaaaag cgcagcaaaa gcttgaatcg 420
 aagaaggcgc tcgaggcaat tacttcatac ttcgaaaacc ctgagaacaa agacaagtcg 480
 tggctgtgtg ctagggttcc aatttcagca aatgcaaaag ctgttagcga atccctgaac 540
 cacgtgaagt cgaagctaca ggataaaacg gtttacgtct tggcgcgga ctctaaccac 600
 ggtcgtgtcg tccacggctg ctatatgtca aaggcaataa gcgatcaggg agcttccgct 660
 agcgattggg cggctattng ttctactgcc ggttgtggaa aggctggtgg caaaaggcc 719

<210> 4521
 <211> 683
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 4521
 cccatgcgac ctatcatgca gtggtgcaac ggacgaacga tgaaccaata cattggggcc 60
 gaattggaca aacgatacga ggcctggacg cagaacaagc catcgaccag ggccaattca 120

atcattgaca	ttgtgctcgc	tgagtatatg	agtacacggc	cggtaagggc	agcactggat	180
cccagattca	aatcctgggc	gactattcaa	ctccgaacct	ttctcttcgc	tggccacgac	240
tcaaccgcgg	ccacgattgt	atacagtatt	tatcttttat	cgaagcatcc	cgagatcctt	300
tccaaggttc	gcaccgagca	tgacgaggtg	tttgggtcag	atatttccgc	tgcagctggc	360
atactcaagc	agcacccgga	gctaattaac	cggctcccat	atactctagc	ggttataaag	420
gagaccctcc	gtctatttcc	agccgcctcc	gcgttgcgag	aaggccagcc	tgggtgtctac	480
ctgcaggata	aaaatggcac	gaagtaccgc	accgagggat	tgtgtatctg	gatcatccat	540
ggggggcattc	aacgtaaccc	ttaatactgg	cgggaccac	atgctttcaa	accagagcgt	600
tggctgttgg	gacagatcat	nonttatatn	ctccanagg	gcgctggcgt	nctttcnagc	660
aaggcccttc	ggaattgcat	cgn				683

<210> 4522

<211> 687

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(687)

<223> n = A,T,C or G

<400> 4522

ccgaccaacc	aggaattcac	gactgtgacc	aaggatgtgg	ccagtgggtga	gagacataac	60
gaaaccttgt	tcgaaatcaa	gattgagaac	ggcaaggccg	gtcaggagtt	cagaactctg	120
tcgagtcact	ttaaactgat	ccattatccc	accgagtg	ccatgtggac	acacacaact	180
cctttaccgc	agtggggcct	caagcaagcc	gaaattaatg	gtaacaagaa	cgtccttcag	240
accagcaatc	tgtggtacgc	cgaatcaatc	gagtcgctgg	aggaagacag	ccctcgcaag	300
cagaaggaag	aacgcaaagt	gaaacagctg	cccttccttc	ggaagtatct	ggaacttcag	360
cgcgccatgt	tcttcacaa	caatgcctta	accagcagcc	accctacgc	gagtgagcct	420
ttccagtggc	ccttcctttt	gcggggtgtt	agcttctgga	ccaagaatga	taccctgtaa	480
caaattttatt	tcttggttaa	cccgatcggg	tgggtggattg	ccagcagctc	gctggctgtt	540
ttcgctggtg	tgattgggtg	cgaccagctg	tctctccgcc	gtggagttga	cgccgttgaa	600
gaaattttggg	gaccgggtgc	ccgttcccg	ctatacaaca	gcaaccgctt	tcttggctcct	660
ctgctgggga	gccactact	tnccctn				687

<210> 4523

<211> 702

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(702)

<223> n = A,T,C or G

<400> 4523

cccaggaaca	ccatttggat	gcccttgtcg	tatgtgccgg	ccttgggtgga	atttatacgc	60
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gtggtacttg	gtattggaac	cgctatcccg	gtgcgttgag	cgacacatgg	agtcattctt	180
atcgattcct	ctttgaccag	gagttcctgc	aaacctaccc	ctggaaaaga	tggtatctca	240
cccagcccga	gataatgcaa	tacctccggg	acgtggtgga	aagataccac	ctccgcaaac	300
acatgcagtt	caacaccaag	atgcaacggg	cggaaatggaa	cgacgagact	aagatctggg	360
aggctccagt	cgagacaggc	gacgtcttcc	acgtgcgata	cctcttcacg	gcgcttggac	420
tcctgggtcaa	agccaactac	cccgatatcc	cggggatgga	cacatttcag	ggagagatga	480
accacacctc	ggcgtggaac	ccaaatgtgg	aactcgagaa	taaacgtgtc	ggtgtgattt	540
ggcgtggatc	atcggtgtgn	caggctcgtga	cggccatcgc	ttacaagggt	aaatctctca	600
ttgttttcgt	cccacgtccg	cagtcactg	gtcccagtgg	aaaccgggac	gttaccctcaa	660
agaaaccccc	ttgttcaaaa	aaaatatcca	aggcttatcg	ga		702

<210> 4524

<211> 485
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = A,T,C or G

<400> 4524	
aagaatttca gatactattc atacatctat ctaatgcggc tatgtacagt tatataaaca	60
actattttact taataacttt gccctccaa gaatatctcc cccctcaaca tcttcaatgt	120
ccaagaagcg cctgaaatta ggcagcttag ttcaaaccat tcttgatgtt atcatacttg	180
gagttggggg agctcagcag gttctgagtt gtgtccaggc ctccaagagc tctgtggctt	240
gttccaatca gcgagtcagc tcccttcttg tcggctgagg cctcccagaa catgctacct	300
cccaggccga gagacttgag gtaggcaacc ttgngttga tcatgtcggg ggtatcgaaa	360
gagatgagct ccttggtggc ggagttggag ctgtagtacc ccttttgcaa aagatcgtag	420
tggaccggtg ggcccagctc tgggaggagc cttgaaatcc cagataccgg cctcccagct	480
ttcat	485

<210> 4525
 <211> 649
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 4525	
gcaactgaaa ctttcaaaca gctctcctcc agaacgcgcg acctgatcat caaaagcatt	60
gcacttaact cgaccgcttt tgaggaggaa agggatggct cgaaggagtt tatcgggagt	120
aaaactgaag tagcattgct acaactagct aaagactacc tcggaatgga tgtcaccgct	180
gaacgtggat ctgcagagat agttcaattg attccctttg actccgcccg caagtgcatt	240
ggagtgggtg accgggagcc tacagtgggc tatcgacttc tcgtcaaggg agctgctgag	300
atcatggctg gagcatgctc gacgaagata gctgatacgg atggtctcaa cggcatcgct	360
gttgatcagt taccacagga ggacagccgg aaggtactca atactattga atcctatgcc	420
aacaaatctc tacgaacgat cgggctgggtc tatcgcgatt ttccgaacct ttccagctgg	480
cctccgagct atatcaagcc ctctgaagag gattcagatg tggctcagtt cgaagagctt	540
ttccgtgaca tgacctgngt tgggtgttga ggtatccagg atcctctcan gcccgaaagta	600
cctgcagcta ttgagaagtg ccgtaccgcn cgtgtgcaag tgaagatgg	649

<210> 4526
 <211> 1017
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4526	
cggcacgagg gtcttggcgg ctcttttttc cgatcctcct cccaatcaac cctcttcgcc	60
ttctcctctc ccaccatctt cctcctgatcc caggtctctc ccccgttcaa taccgcaaaa	120
gtgtcttccc tcgcagttcc ccgtaccatt tccttcccc cgggggtgga tactcaaccg	180
caacggttga gtccggattc cagcatgtcc cagaacaagg gtggacggag gagacggtca	240
agcagcatca tttaccagga gccgcccga tccattgagc gcaccagtga ccaggccgcc	300
ttgcccatac taaatgcgaa ttgggtcaat gccaaagggtg cctggaccat tcatttcggt	360
ttaatcattg ccctgaagat cttctacgac atcattccc gagtctcgca ggaaacctca	420
tggaccttga ccaatatcag ctacatgttc ggctcggttc ttatgttcca ctgggtgcgg	480
ggcatccctt tcgaattcaa cgcgggtgcc tatgataatc tcaacatgtg ggagcaaatt	540
gacaatggag atcaatatac cccgacgaag aagttcttgc tatgcgtgcc gatctgtctt	600
ttccttctca gcacgcatta tactcattac gacttgacgt atttcacat caacttctta	660

gctactctgg	gagtgggttat	tccgaagctt	ccattttccc	accgcctgcg	aatagggtctt	720
ttctctcccg	aaccagagga	gtagatattc	ctgtttcttt	ctctattttac	tttccttttt	780
ttttttcttg	ataatattct	ccacttggca	cccattatcc	ttcctttctc	tgtcttggaa	840
taatggtttc	atgtttcagg	ggctaccccc	gttctgaaat	tggccggaac	tctgctattc	900
taccctgtca	gatacttttg	tttgctggga	agcgggatga	agtgatagca	tggagtacag	960
gaggcatcaa	aagcgaagag	ggacaaaaga	accaaaaatg	tgaaaaaaaa	aatacat	1017

<210> 4527
 <211> 682
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 4527		
cggtagcagc	gaaaaggaaa agcggcctac cgctcgcgat tcaattcccg ccgattgccca 60	
tcagttccac	gaactcctgc cccctgata ctctcaaccc ccatccgcct ttaagcttgg 120	
cctagtcgac	tactagacc cgccgttgct gtggacttgt cttttaggcg cttctgtttt 180	
gcgcgaaact	cccgacaagc tgggccccga ctcttgaccc tactgcaaaa aaagaaaatt 240	
gtgttaccgc	tctctcgatc cgctgtcact actacgcccg tcgggatagc ttcgatcatc 300	
gccttcgcgc	ccttcatacct aactatcaaa cacacacccg ggcagaaaaac tctagaatgg 360	
cctcaaagtt	tctacgagaa tacaaactgg tagttgttgg tgggtggtgg gttggaaagt 420	
catgcttgac	cattcaattg attcaaagtc acttcgtcga tgaatatgat ccgacaatcg 480	
aagattcgta	ccgcaagcaa tgtgtcatcg acgaggaggt cgctctgttg gatgttctag 540	
atacggccgg	acaggaggag tactcggcaa tgcgtgaaca gtacatgcgg accggtgaag 600	
ggttccttct	ggtttactcc ataacgtcgc gccagtcctt cgaagaatta tgacattcca 660	
gncacaaatt	ttacgagtaa ag	682

<210> 4528
 <211> 717
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4528	
cgaacttttg	tttagtctca ttacattga aactcttctc atttcccgtc tctcgtgata 60
tcctacatca	tattccacca tggatgagat cgccccgaa tatgatgttg ttgttctcgg 120
cactggcctg	accgagtgtg tgctttcttg gtgtctgagt gtcaagggaa ataaggttct 180
tcacattgat	cgcaatgatc actacggagg agaggctgct tccgtgaaca tcgaaacact 240
tttcaagaaa	tacggcaacg tccgccccgg cgaagagcca tggaagaagt atggacgggt 300
caatgactgg	aacattgacc tgggtcccaa gctgctgatg gccaacggcg agttgacgaa 360
tatcctgggt	tccaccgatg tcacacgtta cctcgagttc aagcagattg ccggcagcta 420
cgttcaacaa	ggaaagagcc ccaaggccac tgtggcgaag gttccttcag atgcccacga 480
agcacttctg	tcattctctc tgggcatgtt cgagaaacgg aggggcaaga aaatttctcg 540
atgagttggc	cgaattcaag gaagacgacc ctattactcc ccggggcttg acaattgttt 600
attgaccctt	aaagaagttc ttgaccaatt ccggcttgga aaaaaaac cgtgactttt 660
ttgtgccctt	tcttggtccc tgtttaatcc cgaccactat atcgtgaata aggggcg 717

<210> 4529
 <211> 635
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4529	
gatacatgga	cctaagcatc gtccacgaca gtatctacgg atattgtctc aaccatcaag 60
gcctatgcaa	acagatacct acacatcatc caaacttact ctccatctac cggatccata 120
gccaaaccatt	atactaagat ggatcggagt cagacctccg ccggaatct tacctggtcg 180
tacactgcat	ttctcactgc caacactcga ccatacaca gtcattcctg caccatggcg 240

acgagaccgg	tgacaccatc	attccatcat	cttgctctac	tacttccgcc	tcgtgcatct	300
acatgcattc	gtgggttatca	cactcctgac	tgaccattat	tacgctaccc	aggagcacca	360
tgacagcccg	tgacaggtgg	caacaactgt	gtcggtgacc	ttcacggtga	tatctactat	420
cgtactacat	gagtctatca	taatctactg	gtcgatctcg	caactctgga	gcgtggcatc	480
cattcatcgc	gacccctatt	gagctcggaa	tctacactac	tgacaacacc	ctgtcgacca	540
taacactata	cttgccctgct	tgacattcat	tcgagtacaa	gtttactctc	attcacatag	600
gagcggttac	ttgtgatagt	gaccccaacc	cgaaa			635

<210> 4530

<211> 617

<212> DNA

<213> *Aspergillus oryzae*

<400> 4530

gggttggtgcc	ggcgctgcgc	gagcattctc	cgacgggggc	cacgcagtca	tcgaatgggt	60
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attacagttc	ggagcccatg	gaccattaca	agcatatgcc	gggtgatcgt	atttcaccgc	180
aggccccaag	acagtttggt	ttcgcgccgc	cgccctgttg	tttcacgggt	ttcggtctcg	240
cgacagtttc	cctgccgcac	cacccctctc	cgccgaggct	gttggaacca	gaacgcacat	300
acgctcccag	ccattctccc	gtctcgcaat	ttgctcgacg	atccctctcg	cctaatacctg	360
cgaatcctaa	gaaacggact	ctcgagagag	ccgcgctcat	tgacagggcc	gcctcgatcc	420
ccacaacgtt	ggaatcaggg	tcgaaccaac	tcccacccat	catgtcagct	gccaaccctt	480
ccccaccggg	tcggctcagc	tccattttct	ccattctcaa	ccatcctaac	acgcgggacg	540
agtcacgcgt	ggacccgctg	ctcgctgcac	tgagtcgcca	gcagcaccaa	acatcgaccc	600
aggctctggc	acctcct					617

<210> 4531

<211> 1230

<212> DNA

<213> *Aspergillus oryzae*

<400> 4531

ccagcaaccg	gtcagtgaaa	tcatactgat	accatccggt	cccactacc	cgtcgagtaa	60
gaccagctat	ctgatcgaat	ctttcaacta	tcacaatggg	tgctcggtgtc	cttgagaagc	120
tttcccgcga	gactgggtgtc	atcgctcggtg	atgacgtcct	ccgtctcttc	gagcacgcgc	180
agcagaacaa	ctatgccatc	ccgcgcgtta	acgtgacctc	ctcttccacc	gtcggtgctt	240
ccctcgaggc	tgctcgcgac	cagaactgcc	ccatcgctct	ccagctctct	caggggtggtg	300
ctgcctactt	cgctggcaag	ggtgtcagca	atgacggcca	gcaggccctcc	attgccgggtg	360
gtatcgctgc	tgcccactac	atccgtagcc	ttgctcccgc	ctacgggtatc	cctgttgctcc	420
ttcacaccga	ccactgcgcc	aagaagctcc	tcccttggtc	cgatggcctc	ctcgacgagg	480
atgagcgcta	cttcaagctc	cacggcgagc	ccctcttctc	cagccacatg	atcgatctgt	540
ctgaggagcc	cgtcgactac	aacatccaga	ccaccgccgc	ctacctcaag	cgcgctgccc	600
ccatgaagca	gtggctccaa	gctccacccc	gagcttctca	agaagcacca	ggcttacgtc	660
aaggagaaga	ttggctccaa	caaggacaag	cctgtcttct	tcgtcttcca	cgggtggctct	720
ggttcctcca	aggaggagta	caaggaggcc	atcagctatg	gtgtcgtcaa	ggtcaacgtc	780
gacactgaca	tgacgttcgc	ctacatgtcc	ggtatccgtg	actacatcct	gaagaagaag	840
gactacctca	tgaccgccgt	tggcaacccc	gagggcgagg	acaagcccaa	caagaagtcc	900
ttcgaccccc	gcgtgtgggt	gcgtgagggt	gagaagacca	tgagccagcg	tgtcaagggtc	960
gccctggagg	acttcaacac	tgctgggtcag	ctgtaaatgt	ctcttgatac	gatgtctctg	1020
ccgatacgaa	gaaagaaatc	agataccagt	acataaattg	atcaatccaa	gaacggaaac	1080
gaacaaaaga	aacatatttg	actgtaaaag	tggaggccgc	ttttggtgac	tggaaatatt	1140
gcatgactgg	ggaagctgga	gttgaatgat	tggtcaatta	cgatgtatgt	agaagtagta	1200
tgaggatgaa	tccacttaat	taattgatgc				1230

<210> 4532

<211> 1273

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature
 <222> (1)...(1273)
 <223> n = A,T,C or G

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<400> 4532
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ccagtaccat caccgcgcga acacacaggc cgggtggtgc gcaggtatgg ctcaagcaac    180
aaatccctca atcgcggcct ctagccctac ctatcctcct ccctactcgc cttatcagcc    240
acagggtcat gaaatggccc agtatcaagg tcacctctct ccgcccgcctc cacagatgta    300
tgcgcggtcca gattggtcgc atgggtatgg tcaacatcag cacggtctgc ctggacccta    360
tacctctct gccacaacgg ttggtcccg cccccctgct gcgaccgcag ggccgcgccc    420
tgggcagggtc tactcattcg ttccgattcc cgggtgcgcaa cagcacaagc gaccccgtcg    480
tcggtatgag gaaatcgagc gtatgtacaa gtgtggatgg aatggctgtg aaaaggcata    540
tggtacactg aaccacttga acgcgcacgt taccatgcag tctcatggag ccaagcgcac    600
tcctgaagaa ttcaaggaaa ttcgcaaaga gtggaaggct cgcaagaagg aggaaggagg    660
tcagcgcaag gccgcgagg agcgtgaacg tgctgtgctg gctcaggctg cgcaagccaa    720
ccaagttgat gctcctggcc ctggcgatcc ggcgcaggcc gggtcagcctc ccgcctaccc    780
gggcagtgct cgtcctcagc tgcccccgat cgggtatcag cccgctgacg gccagggtgc    840
tggtcagtac ggagctcctg gcggtggcat ggtttatcag ggcaacggac agatggccta    900
tcctccaaac taccctcact cgccttacgg ccagagcggg caagtatatc agcaacaaaa    960
ccaatcgacc agtaccgcg aatagatatc caacttccct ctcttctctc agcttgaata   1020
ttctaatacc aaattctcct aatcgtgtat cgccactccc cggatctaaa tctttnaaat   1080
cttgcgcaca tgataccatc tncctggcctt gattgctnca gtcaaaaaga gtggccatgc   1140
gaactacgct tctgccccag gtatggtttt ttgaattaga tcgattgaca aaaaggagag   1200
aatcttctta tcggggaatc ccattcttgt ttttcatctc gaataccggc tataggattg   1260
tgatttgaga tgt                                     1273
  
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<210> 4533
 <211> 681
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4533
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aagggaagg gcattgcgtc ctccgctctg cttactctc gctctgctcc ctccctggctc    120
aagaccaccc ctgagcaggt tgtcgaccag atctgcaagc tcgccaagaa ggggtgctacc    180
ccctcccaga ttggtgttgt cctccgtgac tcccacggta ttgcccaggc caagcacgctc    240
accggtaaca agatcctccg tatcttgaag tccagcggcc tcgccccga gctccccgag    300
gatctgtacc acctcatcaa gaaggctgtt gccgtccgca agcaccttga gcgcaaccgc    360
aaggacaagg actccaagtt ccgtctcatt ctcatcgagt cccgtatcca ccgtctgtct    420
cgttactaca agtcgcgtcg tgctctgccc cccacctggc gttacgagtc cgctaccgcc    480
tccaccctcg ttgcttaagt ggttttctc acttgctgct ggtgttggtg tgttggtgcg    540
gatagggtct tcgaattggt ctcttaccct gagaatgggt gggtttttag tcatctagtg    600
tttggttttac aggcattagg ttgtgatgga ttatatctgt cgtcgacaac aaaataaaat    660
ttcatgacca aaaaaaaaaa a                                     681
  
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<210> 4534
 <211> 745
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

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<400> 4534
cgcgggatga anngettcga atcacatttg cgcgcgagga agcggccaac ctacttatca    60
gtaacagagg tattcttcag attgcccatt tcgggctagc tcgaccgtac gatgaacctc    120
  
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ctcctcagcc	tggaaaaggt	ggaggggagg	ctaaaagaga	ctataccacg	ttggttgtga	180
cacgatggta	ccgccctcca	gaactcctcc	ttcaactacg	acgctataca	actgcaatcg	240
atatgtgggg	cgttgggtgc	gttttcggca	aaatgttcaa	gggcaagcca	atccttgccg	300
gcactagtga	tcttaaccaa	gcccagctta	tatttaacct	tgtgggcaca	ccttccgaag	360
agaatatgcc	tggctggagc	tcgctccctg	gctgcgaagg	tgtgaaaagc	tttggcagca	420
agccaggaaa	tctatctgag	gtcttcaaag	agcaaaatcc	agccgccata	tctttattag	480
gtgagctcct	gaaacttgat	tggcggaaaa	gaataaatgc	tatcgacgcg	ttgaaacatc	540
cttattttct	taatcatccc	ctgcctgcac	accccggtga	gcttccctgt	ttcgaggact	600
ctcatgaatt	tgatagaaga	aggttccgag	ggcagcgagc	agttatgccc	tcagcccctg	660
gtggaggctc	gtgggcatgg	gccctaattg	cggctggagc	tcgaattcgg	aaccgagacc	720
gtgcagatct	agaaataaccg	catac				745

<210> 4535

<211> 738

<212> DNA

<213> *Aspergillus oryzae*

<400> 4535

gtttggctat	cactgcttct	ccttccatct	ctactttatc	ggctatttag	atcgccccct	60
ccccggctct	ccagtgtaca	cctttcaagg	actattccga	gcgtttggag	ttcgattgaa	120
agcgatcgtc	cccccttgac	ttctccattg	caaacaacaa	ccgacttctt	ctgatccctt	180
aggcgacgaa	gccccagca	tcccttggtc	agggccccct	tcagcgcttc	ccaaggttag	240
agatgtctac	tactacagct	gagatggccc	ctgccggccg	taagctcgag	aagaagcccc	300
tcaagtttag	caatctgctg	cttgggtgcg	gattgaatat	gttcgaggtc	accactttgg	360
gacagccgct	ggaagtgatc	aagacgacca	tggccgccaa	tcgaggcgac	agtttcgcca	420
gcgctatggg	tcggatatgg	ggctgtggcg	ggatccctcg	ttattatcaa	ggctctattc	480
cgtgggcctg	gattgaggcc	tccaccaaag	gcgctgtcct	ccttttcgtc	gcgtccgagg	540
cagaattccg	tgccaagggtg	ctcggcgccg	cagactttct	cgctgggtatc	tcaggaggta	600
tggcgggtgg	tattgcccag	gcatatgcca	ctatggggct	tctgcacctg	tatgaagacg	660
gtcgagatta	ccaagcacia	gatggctgcc	caagggtgtaa	agcctccaac	ccctttcgcg	720
aaattcatgg	acatttat					738

<210> 4536

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 4536

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ttctgagatt	gtcgatggtc	aggctctacg	tctgcctacc	gaatgtccag	gctgcacgaa	180
gcctggcttc	gttaacatga	agaagggtgaa	catcccctac	ttcaaggagg	tcacatctcg	240
gagtacatct	tgcgagcact	gcggataccg	tactagcgaa	gttaagactg	gtgggtgaagt	300
tccggagaag	ggcaagcgca	tcactcttag	ggtcgagaat	gaagttgacc	tctcgcgtga	360
tatcctcaag	tccgacacct	gcgctctgca	cagtgaagag	ttggaagtca	ctgttcaacc	420
tggtacattg	ggcggacgtt	tcactaccgt	tgaaggctcg	ctcaccgaaa	tccgtgatca	480
actgcacggc	catatctttg	atgtcaacga	tgcgagcggc	gctggaggag	acagcatggc	540
attcgacact	aaagagaagt	ggactcgctt	cttctctcgt	ctcgatgctg	ctatcaatgg	600
agacatgaag	tttgtcatca	ctctcgaaga	tcccatggcc	aacagttacg	tccaggactt	660
gtgtgcgcct	gctgtcgatc	atagaatcac	an			692

<210> 4537

<211> 716

<212> DNA

<213> *Aspergillus oryzae*

<400> 4537
gactcagcct gtctatactg ccgacgagca tccaaggcct ggagtcctcc gtatgctgct 60
ttcgctaaga gtccgacaat taaatgggtca gaattgctga aagagcatgg tatgcccacc 120
accgaaccga ggacttttcc gcccaaatcg aacaagatca agcgtcttgt ccgcaaaggc 180
atccctcccg agtacagagg ggcagcttgg ttcttctatg ccggtggcta cgagcacttg 240
aatcgtaacc ctggactata tgatcagctt gtcagccagg ctatggaaag cccaagcaac 300
gatgacaagg agcatatcga gcgagacttg caccgaactt tccccgataa tatccacttc 360
aagccggaat ctactgacgg gctcgggaac tcaggcgcta gctctggtag cagcaacctg 420
aagcatggct cggacactgt cgaaacgcag atgattcaat cgctccggcg ggtgctctat 480
gcattcgctg tgcacaaccc ccaagtcgga tacgcgctat cactcaactt tattacaggc 540
ctgctacttc tgttccttcc ggaagagaac gcattttgga tgctgcatat cattacttct 600
cgttacctcc ccggcaccga cgagataagt ctcgaaagtg ctaatatcca tctatggatg 660
cctatggtcc tcttgaaaaa ttgtaccccg ctaagctaca acacaaacac ggggtg 716

<210> 4538

<211> 678

<212> DNA

<213> *Aspergillus oryzae*

<400> 4538
cagctatttg caccgcacct gcgcacatgg aagcttgact tgcgctacct ggtccccacg 60
tccttcgact cctctctaata ccgagattct gatatacttc gatattgcta gccaaagtgt 120
cgcaaagcca tgccctttcc gacgatcagg tcgcgggtga gctccgcaag atgacggcct 180
tcacccggca ggaagcgctg gagaaggccc gtgagatcga actgaaagcc gatgaagagt 240
ttgcgattga gaagtcaaag ctcgctccgtc aggaaaccgc tgccatcgac aactgtacg 300
agaagaaaatt caagcaggct gccatgtccc aacagatcac ccgctccacc ctttcaaacc 360
gtactcgtct ccgtgttctt tcttctcgtc aggagcttct tgatgagctg ttccagcagg 420
ctcgtgataa gatttccagc atcgcactta aggatgctaa gaagtatgaa actgttctgc 480
agggactgat tctcgagggc ttgtacgctc ttaatgagga gaagggtggc attcgtgtga 540
gggcgaagga cactgacgca gctaagaagg cgattgagga agcgcagaag gtgttcaagg 600
agaaggttgg caaggatgtt actgtggagg tagatgaggc tgagcctctg ccggagggat 660
ctgctggagg tgtggtca 678

<210> 4539

<211> 737

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 4539
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gcatgccttg catgcagatg aggcgctgaa cgtggtcacc gatgtagccc ctccgctgca 120
cctttccact acgttccggt accctgatga tcccaggagg cttgtgcccg cagcagatct 180
cagtggttat gaccaggaca aaaccaagca tatctactct cgtctgagct cgcccaatth 240
gaaccgattc gaagtccctc tgtcttctact tctccacggc gaggcgatca gttactcgtc 300
cggactatcg gccttgcatg cggcactcgt cctcctgaat ccccgccgaa tcgcagttgg 360
aaatggatac catggatgtc acggtgttat taagctcttc ggccgtctta ccggtcttca 420
aaagctggac ctcgactgtc ccgctgagca attagagtgc ggagatgcca tccttctaga 480
gaccccggtc aaccctgagg gcaccgcttt caacatcgaa gagtatgcca agaaagcgca 540
ctcgcgcgga gcgtatctta ttgtggatag cacttttgct ccgccggggc ttcaggacct 600
gttccaatgg ggtgcagacc ttggtcatgca ttccgggtacc aaatactttc gcggacacag 660
cgaccttctt tgtggtgttc tcgctacaca nccgantgat tgggcgcggc ggcttgttca 720
ggatttcgat gtnctag 737

<210> 4540

<211> 657
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4540
 cttggaag agtgcatttt attatggctc gcgagattct caaggcggca aagtccgcat 60
 cgaatgtcat cgctgttcat aagaaatata cacttcaatc caccggcatc tgggagcgtg 120
 ttccgcgctt tctttcgatt gatcccaatc gctcaacagg tgttccattg aacgcccaat 180
 atcgtctacc gacccccgga gctctccctc ctctttccta tgacgatccg gttaccgttc 240
 cggctggtga tattgcccac aacccttatt ggaagcgtga tattcggagg agttacccta 300
 agcttagcac tgtgagccaa gcagattctg tcggtcttct caccgtaggc agccaggcag 360
 caccaaagga tgatattcta cagattgggtg aagcaggaga aaagcaactt atctctatca 420
 agcagcaggg agaagaacgc ggtctggctg gcctttttga gaaggataag aagggcattc 480
 aggggtgtctt aaaggccaat gggttgcgc cgaagccttg caatatgaac ccgtcagggt 540
 ccaagtatca gcttgatcat gaccatggct accccaatgc atatccctgc cgcacatttg 600
 tttgatgatg catttcgagt agagattgaa tatatcgcat tcttctttac cttccac 657

<210> 4541
 <211> 722
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4541
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 atgtcggacg gagaagagac tgtttccaac cccgttggtg ccgccgatga ggtcagagtc 120
 agcgcgacg ccggcgccgg tggccagatg tcggtcctcg acgccctcaa ggggtgcctc 180
 cgcattctccc tgatccacga cggctctgcc cgtggtctcc gtgaggccgc caaggctctt 240
 gaccgcccgc aggtcacat gtgtgtcctc aacgagggct gtgaggagga agcctacaag 300
 aagcttgctca ttgccctgtg ctccgagcac aagatccctc tcatcaaggt tcccgatgga 360
 aagatgcttg gtgaatgggt cggctcttgc cagcttgacc gtgagggtaa cgctcgcaag 420
 gttgtcaact gctcttgctg cgttggtcaag gactggggtg aggagtccca ggagcgctct 480
 gtcctcctca actacttcca gactgagcag taaattcgct ctttgagggt agggtaggga 540
 ttgtgggggtc atgataggct aattcgggtt cgattgatgg aatgggtgtg tttgtgggtt 600
 tcttttttct gttttcggga gagggtcttc ctatgtctca tcaactggct gttgattggg 660
 ggtgagtccc tgtctttgac catgatctct attttttttt ttttatccta gtataggcca 720
 aa 722

<210> 4542
 <211> 679
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 4542
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 ttaatccagt acaatcaacg cccttctcgg agccaagaag gtctcgggtg ccgctacacc 120
 cggtaagacg aagcacttcc agaccctgta tctctcgccg gagatcatgc tctgtgattg 180
 tcccgggtctg gtgttcccca acttcgccac gactaaggcc gacctgggtg tcaacgggtg 240
 cctgcccacg gaccagcagc gtgaattcac cgggtccagca accatcatcg gccagcgc 300
 ccccaaacat ttctttgaaa acgtctacgg agtcaccatc catacccgcc ccacgaaga 360
 aggcggcaca ggcattccca ccggcagcga gcttctgcgc gcctatgccc gcgcccgtgg 420
 cttttccact caagggtctg gccagcccga tgaatccgc gccgcccgtt acgtntctgaa 480
 ggactacgtc aatggcanna ctctctcttg ccacccgccc ncagtgcag agggccagac 540
 cnccattgac ccctacgagt tcaacgtcga actctacgac atagccccac ctccccgcga 600
 ggcgacaaga aacagctctc anggccatgc aagcagagca actggnccga gacatcgact 660
 ncgacattct ttctatgcn 679

<210> 4543
 <211> 789
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4543
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 taatcttcca ttagacataa gtcacgctc gataacgcct ttttcctgcc tgggtactaac 120
 ctgtagtact aggccaggc atatcgagag cgaattttta ttataagaaa acgctagcta 180
 agcaaaaagt tgcttcactc tagataatca tcaacttcgga aaacgagggt ccgagaataa 240
 tcacagggtga gccaaagacag ccttggcacc cgagacctta accacacccc tttcgggctc 300
 gatctgagca taggtcacct tgccatgata gatgacaatg gcatagcgac cgggtgcgacc 360
 gttgttggcc cagccgatgc tgtccgagaa cttggcgctc gggtcggaga ggaacagaat 420
 atcgttattt tccaccttat tggcctttcc ccaggcgctc atgacgaagg ggtcattaga 480
 tgcgacgaca gcgacaacct ggacgccctt ttccttcagc tggggcagggt tctggatgta 540
 tccgggaacg tgggttgacgg agcagggtggg ggtgaaagcg ccagggaacgg agaacaggac 600
 caccttctta tcggccatt ctttggaggc gttgtagggg atggggatgc cgcaggcggt 660
 gatgtcgccc ttctcctcgg tccaggggac gtactggaag acgacgttct cggggaagga 720
 atctccgggt ttaagggccca tgggtgactga tgggtatggt gatggtctga gaagtgggtga 780
 gaggtgaga 789

<210> 4544
 <211> 736
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 4544
 tgccgtcaat tcgcacgagg cctaaacagc aattcaaaat tggcggcaca gacaccatga 60
 ctacattaaa gaaattgaac ttcacaccca gcaacagaaa caaactggcc gaagtcagag 120
 cgattctggg caatgcaatc gaggtcgata accaggggct tgatattccg gagatacaag 180
 ggactattga agaaattgcc agagaaaagt gcaggcgctg agcgggaagt atcaaaggcc 240
 cggttctcac ggaggacag gcactggagt tttatgcact gaaagggctt cctggcccat 300
 acatcaagcc atttcttgat gttttggggc atgaggggtt gaataaaaatt ctcgattcgt 360
 tcgaggataa atcggcagat gcgatatgta cattcgcttt cagtcacggc cctggctcag 420
 agccaatttt attccaggga agaacgaagg gtgtaattgt cagaccgaga ggtccatcaa 480
 actttgggtg ggatccgatt tttgaatatg aagggaacac gtatgctgag atggacaagg 540
 aggagaagaa ccaaatatcg cacagggtata aagctttgga gaaattacag cgttggctgg 600
 tccaggaaaa atcctaattt ctcagctccg cggcggacga cgttgatagg tgggtgatct 660
 ctaaaatatt tcaattcgcg ttgaagggtt gggtgatatt ccagaagata ctcaacttga 720
 gattctttcg cagttn 736

<210> 4545
 <211> 647
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4545
 gctggaactg cgtggcgaaa atatttccct ttgtatcgc acctatgaat tcctcctcgc 60
 catatgtggc ttagcaaca gaccaacct ctttctccag tacaccagggt gtgtaaaatg 120
 ctgcataaga gtgaacatag taatatattgc tgtctgggct caatccacag aaactttgag 180
 ctctaaagg accaactctg gtgttcatgg cagaattcca acctatgtgg ggtacactct 240
 tcgactgtc atcgaatttg ctcattcgct tttgtatcag cccaacccg gggacatcag 300
 ggtcctcctc ggacccttc aacagtgcct gtagaccgac acagatcccc atgaaagggt 360
 tcccagaatc tatgtgcttc tttatcgggt ctagataccc gccctctgaa agctgagaga 420

gacaatggcc	gaaatggcca	actccgggca	gtataagttt	ctgcgatacg	attaatgcac	480
tgcagatctt	cgggattttt	aacccattca	acatcatacc	caactttggt	aattgcattc	540
accaacgaac	gaacattccc	ggcaacatag	tcgagcagat	ggacgggtggg	catggcggcg	600
gggttgagta	attccactat	tcgaggggct	cgctatgtca	aagataa		647

<210> 4546
 <211> 686
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

<400> 4546	
gagaaggaag	atgcgctttt
gcattctagtc	gactaccggt
aacccgggttg	cgttatggaa
gatcaaaggc	atctggctgt
aaagaagagg	tcctagacat
tcacctgacg	gcaaatacat
tttccagagc	gcaagatcgt
gcattcgacc	catggcgctg
tgcaggctgc	tactgtggga
gctagtgcct	cgcagcgcac
gagccgacag	cgcaagcaac
acgattatga	ctctgctgtn
	cgtcat
	686

<210> 4547
 <211> 665
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4547	
cagcctcatc	ggtactaccc
gaatatcaac	cgccaaaatg
acaacgccga	gaaggctggc
tcaagttcct	gagcgtcatg
accaccggtt	cggcaagatc
tcaacccccg	ctaccccgtc
cttctcgtca	gttcgggtttc
aggctcgtcg	caagcacgtt
aaaagtttat	gtctttgaata
atgtgctcag	gagcaacagt
atagatagcc	tatgtttgag
aaaaa	
	665

<210> 4548
 <211> 711
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 4548	
cacaggaaag	gaggactacg
	atcgggcggt
	tcccctgttt
	gtggcagcta
	gcaagcacgg
	60

gcatgtcgag	gtctgttacc	ggacggcgct	attgtacta	attcggtg	ggaaccagag	120
ttgaagcgg	gacagcccaa	caattctatc	gtcaagccgc	gtcgaaaaac	catccaggcg	180
ccatgatgcg	tatggcaaa	gcttgccctg	cgggcgatat	gggactcggc	aagcgggtatc	240
gtgaaggcat	caagtggatg	aaacgtgccg	cggaaatccgc	cgactcacga	gacaattctg	300
ccccttatga	attgctgtt	ctgcacgaag	agggatacgg	tgacgatgtt	ttcccggatc	360
cttcttatgc	agcacaactc	tttacgaagt	cggcggatct	gggacatgtt	gaggcgaact	420
atcgccctgg	ggatgcttat	gagcacggca	aactgagttg	ccctcgagat	ccgcccctga	480
gcattcattt	ctataccgga	gctgcgcagg	caggccatcc	attagcaatg	atggctctct	540
gtgcatggta	cttggttggt	gctgagcctg	tgctggagaa	agatgagagc	gaagcgtacg	600
aatgggctaa	gcgaccagca	gaaaccgggc	ttgcaaaagc	ccagnatgcg	gtgggaaatt	660
tcactctaag	ggnaatgggg	ttgcgtcgtg	acaatttggc	acgcaagggt	t	711

<210> 4549

<211> 732

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 4549

nggcgctcat	ctcgtgcac	actatacggc	gctgtgtctc	agcctctcac	cacctctaaa	60
cggtagcaaac	ttgccttgg	tgtctcagta	cggatgggac	acggcgatca	gcggtgttcc	120
tcactgggtca	gtgacttgat	cctctgcttg	ggcgatgatg	tctatttgga	ctcccatgac	180
gttgacaccg	ccatcatcga	gtgtcaatcc	tgtggtgcct	aaagagtggc	gtattatcat	240
ggacgtgtac	ctggtctcct	gcggactaag	gctccttcga	gatcacctat	cgactgttcg	300
ccaacaagtt	gaacatcacg	caagccgtgg	tggatatgga	gatcattccg	tcagtcgatg	360
ccaatgcgac	cgtggcgaat	gtgatcgact	gggactcagc	ggtacgaacc	gactttgtgg	420
aatcgggtca	agatgacagt	gccctctttt	cggctgtgcg	gccctgggga	atctccaacg	480
tcactgcata	tatctattcg	aacctgaccg	gatcggccaa	cgtcgacctg	ttttcttagg	540
ctctcgccgc	ctggcaagcc	ctaccagaaa	ctcccactta	tcttttaggg	gggcgaatcg	600
ccatgggata	tttatagggc	cgggaccttc	ccctgtaaac	caatttggtg	gcgttacctt	660
gaccgatcct	ttccgttaac	cgaaacctaa	tcgcccttgt	actcttttgt	aaggggggtg	720
ggttttgatt	aa					732

<210> 4550

<211> 650

<212> DNA

<213> *Aspergillus oryzae*

<400> 4550

gaggacaca	attgccataa	tgtcgctttt	cagagctgga	aacttcgcct	gcttcagagc	60
tggtcggctt	gccgcgccta	taaatgctcg	tttcttgtcc	accaacaccg	gtcgaggcga	120
cccttcctg	aaaaccagcc	ctgctgatgc	cccggcggta	ccccccaagg	acagctcatt	180
aattcgccag	gagggccctg	ctgaggcaat	ggctcgccac	cagccggatt	acgaggccac	240
aattgatcac	ggcacctcga	aattctctcc	tgtgcctaag	cgtgtcatgg	atggaagcga	300
gcccggtgac	accgtttccg	ctgctgttct	ttctggtgct	cctaccgacc	tccaggctcg	360
tactgtcaga	atctaccgcc	cctcgaagcc	cgccacgcaa	tccggtacct	ggcaccagca	420
ccactggcgg	atggattggg	atgtgttgca	gaagggccac	cgctgggaaa	accctctgat	480
gggttgga	tcgtctgctg	ataatatgca	gggcactcat	ctgaacttca	agtccaagga	540
ggatgccatc	atgtttgcgc	agaagcaagg	ctatgagtat	tttgttcagg	agccaaatga	600
gcgcagattc	gttcctaagg	cttatgcgaa	caacttcggt	cacgaaaccg		650

<210> 4551

<211> 686

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

<400> 4551
 cggaattgcg aaaccttcgc tccggtatct atcttctctc tttcctctct cacttcactt 60
 gttgatccgt tcgctgggga gtcacttggt aacaccctct cctttcttct gctgatatat 120
 atgtccctaa gcccggccat ggctgtcccc cgaacttttcc gccctgcagc tcgtctgctt 180
 tcatcacgtc tctctgctcc tcgccgtccg gccttccccc aatcggcagc cgctccctcc 240
 atcctacgct cccggggcta tgctacggaa ggtggtgcta aggaagtcac tgttcgtgat 300
 gcattgaacg aagctctcgc ggaggaattg gagacgaacc cgaaaacatt catcctggga 360
 gaggaggtcg cacagtataa cggagcttac aaagtgacaa gaggtctttt ggaccgtttc 420
 ggccccaaga gagtcatgta tacgcctatc acagaagcag gcttttgagg tctggcggtt 480
 ggcgctgctc ttgctggcct gcacccattc tgcgagttca tgaccttcaa cttcgccatg 540
 caggctattg accaaatcat caactctgct gctaagacca ctacatgtct ggtgggtattc 600
 aaccctgcaa cgtcactttc cgtggcccca atggattccg ccgccggtgt tggcgctcan 660
 cactcacagg actacttggc ttggtta 686

<210> 4552
 <211> 790
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4552
 tttcctggag ccagcctggt atccaaatcg ggcacaagga attccgtttt gggaacacct 60
 tctttttgta tactatcctt ttttaaacct tttcagttct ttaaacctta ctacacacat 120
 tcacaatggg caaggacgct ggttttgctc ctggtgactc tgccaagggg gccaaagctct 180
 tccagactcg ctgctgctcag tgccacactg tcgagaagga cgggtgccaa aaggctggcc 240
 ccaagctcca cggctctctt ggccgtcaga ccggttccgt tgatggctat gcctacaccg 300
 atgccaacaa gcaggccggt gtcacttggg atgagaacac tctgtactcc tacctcgaga 360
 accccaagaa gtacatcccc ggtaccaaga tggccttcgg tggctctcaag aaggctaagg 420
 agaggaaagc cctcatcact tacctcaagg agagcactgc ttaaagtctc cattttactg 480
 gaataaaata ctttctcctt ccagtttcaa gcggcttgct gcacccgata tgatacgtcc 540
 ccagaccctc ggcagtttga cggacagggc atgtaatat actcaatacc ttgtttactt 600
 gcaatagatg tgatttttcc tttgtgcgca ggatttgagg gtttcataga gatgtgtttc 660
 cttcacgacc ttgtctatgt cggcccataa ccttatcaca tttccctctc gatggctatg 720
 tttttcagct ctgtgtatca tgggtaagtt tcagggccgt tggctgtaat gaataaagat 780
 atctcctctc 790

<210> 4553
 <211> 521
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4553
 cctgcccaca ccagattgag ttgaagcaac ttttctgcaa cctccgcaat acccgatttc 60
 acagccaaaa agacctgacc cccgagaatc ttttcggttg agttggctcc gacgaagcca 120
 tcgatgccct gttaagatgt ttctgctgct cgggaaagga taagatcctt acttgcccc 180
 ctacgtatgg catgtatggt gttagtgcgc aggtcaatga cgtggatata gtgaaggctc 240
 ctctggatgt cgagaatggt ttccagctac agccggaaaa gatcatcgag actctgtctg 300
 cggacgactc gatcaagatg gtgtacatct gctcacctgg taacctaca gccaaactga 360
 tccgcaagtc cgacatccag aagggtgctg agcaccctac atggaatggt gtggctgctg 420
 tggatgaggc atacatcgac ttgcacctcc gaggtccaa tcttcgccga tgggtcaacg 480
 attgcccaac ttgttggtat tcaaactttg agtagggcct t 521

<210> 4554
 <211> 655
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4554
gtgtactgtt gaactacctt agagacgcac atctccaatt tactccgttg cctatTTTTt 60
aaccctttcg tgcacactca accgacaaaa tgtcttccga aaagaaggat aagctcgagc 120
cgcaaatcaa gtccgtcgat atgacggagg atatgcagca ggaagctgtc gaagttgcga 180
tcgaggcaat ggagaagtac cacattgaga aggacattgc ccagtacatc aagcgagagt 240
ttgactcgcg caaaggagct acatggcatt gtgtcgtagg gaggaatttc ggaagctttg 300
ttacacacga gacgaaacac ttcattctact tctacctcgg acaactgcgc attctcctct 360
tcaagaccca ataaactcgc cctgacatac atggttgga ataaaaagag gaccgagtcc 420
ttgggcgatt gggccttgac tgccaattgg gacttacga cataaaatag acgccggcga 480
cgtatctatc taaaactcgc gacacgatgg acaggcccct gagatcaggc gtcattggcaa 540
ttggttgctg cataatcttc cctttccttc agcggtatTT atttacaatt tcgactctta 600
catgattcaa tatggtcacc attggatctg gatgtgagct agattggtcg tacca 655

<210> 4555

<211> 725

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(725)

<223> n = A,T,C or G

<400> 4555
cggcgctcat gtactgtagc aatnncgcac gatggttgat acgactctac tcgactggga 60
tgggtcccgat gaccccgga acccttttaa ctggtcgact ccaaaaaaag cacggcagtt 120
agtcttcatg gcattcaata cttttgtcag ccctctagca tctccatgt ttgcccagg 180
cgtccaatat gtcatgcgcg actttcacac caccgaccaa atgttgggat cgtttgttgt 240
ttccgtctac atcttgggat acatgctagg gcccttctc atcgcgcccc tgtcagagat 300
atatggcgtt gttccgctat accatgcttg caatgtgatc tttctggtgt tcaactattgc 360
ttgtgcagta gcgcaaacct taccocagtt gatcgtgttc cgtttattcg caggtatcgc 420
tggcgtttgc cccatcacta tcggctcttg aacggttgcc gacatggtgc cggtaggaa 480
gagagccggt attatggcca tctgggctct aggaacctatc ttgggacctg ttgtcggacc 540
cattgcccgtt ggggttccttg ccgaatccgt gggctggcga tgggtgtttt ggggccttgc 600
gatcggcgga ggtagctcta ctgccgcttg cccatagagt aaaatgctga caatccagac 660
ccggggtatg acgaacgggg gttgcttgcc tattgggaat ggatgccccg gggcttttac 720
aacgg 725

<210> 4556

<211> 674

<212> DNA

<213> *Aspergillus oryzae*

<400> 4556
tgaagcgcat gaccgaagga agagaatcct tgggtggcag tggacagccg gattctaaga 60
gacgggcatt gacgagcgaa gaagccgctg cgcgcttccg cgatggcctc tttgaacct 120
cggagcagca gaagtatacc gatcaatacg ccgagtccgc accgtacaag catggagtca 180
tccatccccct aatcgagcct tcttgtctac gcgcggtccg caacgaaatc caagagaact 240
tggaattcac cgagaaagag acggatattt acaagatctt tcagtccgga gatctggcga 300
acctggacgg gctggacgat gcatctctgt cgcgactccc ctccctgctg aagctccgtg 360
atgccatgta ctccgcccgc tttcgtgagt acctgtcgtc cgtgactggc tcgggcaagc 420
tgagtggctg caagaccgat atggctatca acatctacaa cgaggggatgc caccttctgt 480
gccatgacga tgtcattgga agcagacgtg tcagctacat cttgtatctg actgatccgg 540
acacccccctg gcaggcgga tgggggtggt cactgcgcct gtaccccacg accacgaaga 600
aggatgcaca gggcgaagac gtcaagatcc ccagccccga cttcagtctc agcatccccg 660
ccgccttcaa ccaa 674

<210> 4557

<211> 696

<212> DNA
<213> *Aspergillus oryzae*

<400> 4557
aatatacttt tcaatcgccg agcggtcgga gtccaggggt tgcgacaaac caagcttcac 60
ggcctgaaag aagctattga aaaggcgcg gcagagaaag acgaatatga gatcgctctt 120
ttgcgaaagg ctaatgatat ctctgccaag gcacatatgt ctgctataag agcttcaaag 180
actgcagtaa acgagcgtga gattgagggc gcgttttatcg cgacgtgtat cgctcatggg 240
gctcgtgagc aatcttatca ccccatcggt gcttgtgggt caaacgggtgc cacccttcac 300
tatggcaaga atgatgatga cctgacggat cctgcaacga agcaaaggaa gaataacatt 360
ctcattgacg ctggaggcga ataccgggca tattgctcgg atataacgag cgtgttcctt 420
ttaggtggga gcttcacaaa agaaacccgc cagatttatg agatcgtoct acaaatgcag 480
ctggaatgca tcgcaatgct caaaggagat gtgcaatggg aggatgtgca tgcgcatgca 540
caccgtgttg ccatcaaggg cttgctcgtt ttggggattc taagtggctc cgaggatgaa 600
ttgttcgaga agagaatcag cgtagcgttt tccctcatg gtctcgggca ctatcttggg 660
atggatacgc atgacactgg gggcaatcca aactat 696

<210> 4558
<211> 618
<212> DNA
<213> *Aspergillus oryzae*

<400> 4558
caagtcattg tcgacatgat cataggaaga agccaagggc cgctttgagt cgcgtgcggc 60
ggtccttggt cacttccaac aggggtggcaa gccctctccg atggaccgaa tccgtgccct 120
gcgcatggcc atccgatgca tgcagcacat cgaaaccttc tccggcaagt ccgcccagca 180
gattgccgcc gacgagcttt ctgcgaccgt catcggtgtc aagggatccc aggtactctt 240
ctcccagatg ggcggtccca acggcctgga agcgaccgag accgactggg cccgtcgtcg 300
cccgaaggac gaattctggc tcgacttgca gagcaccgtc aacattttgt tcggtcgcgc 360
cagctttggc gagggcaaga cgggctgggtc ttgctacgaa aactgttaaa cgttggcata 420
agaacaacaa cttgactgtt taaaggcgtt aatgaaagtg ggggtggttag attccgtgaa 480
ccgcggaag actggtcgtt ttccctttta atactagggc ggcaagaaca aaacaaaact 540
tgaaatgcag ggatggctgc ttcccttgggt tcatgacaga caggatttat tgattgaaaa 600
tattaatctc cccttttt 618

<210> 4559
<211> 830
<212> DNA
<213> *Aspergillus oryzae*

<220>
<221> misc_feature
<222> (1)...(830)
<223> n = A,T,C or G

<400> 4559
gggaatgctt gtgcaattta tcgttgact cttcgtccta agaaccaagg ctgggtatga 60
tatctttaac ttcatttcca cggtggccag agaactcttg gaattctcca agcaagggtg 120
ggacttcttg gtggaaactg gatgggcca taaacacagc agctgggtcc tcgttagtgt 180
tgtcccggct atcatctttt tcgtgtctat cgtgcagttg ctctactaca ctggcggtct 240
ccagtgggca attggcaagt ttgccgtatt ctttttctgg gctatgcgta tctcgggagc 300
tgaggctgta gtagcagctg catctccctt tatcggacaa ggcgagtcag cgatgctcat 360
caagcctttc gttccctatc ttacgatggc ggaaatccac caaatcatgt gctccggatt 420
cgctactatt gcaggatcag tcctgggtgc ctacattgga atgggtttga acccccaagc 480
gctggtgtcc tcatgtgtga tgagtattcc ggcattccctg gcagcatcta agctgcgttg 540
gcccgaagaa gaggaacccc tgacagctgg ccgtattgtc gtccccgaag acgatagcca 600
caaagcagct aacgccctcc acgcattctc caacggagct tggatgggta ttaagattgc 660
aggcatgatt gccactacgc ttttgtgtat tatctccctc gtaggctctc ttaacggcct 720
gctgacctgg tggggctact acctgaacat ctacgaaccg gacttgacca tngaactcat 780
tgttggctac atctgctacc cgattgcctt tcttcttgggt gtctcccgcg 830

<210> 4560
 <211> 653
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4560
 cgtggcttat attccacaga gagctgcott tattcctttg tatttgacac cagccttgaa 60
 tacctctacc taggcgaata caagtacttg tagccatgag agcagtcgtt tacactggaa 120
 aggacaccat ctcggtggag gaacgtccga agccatccct cctagaaccc accgacgcca 180
 tcgtcaaggt ccaacacacc accatctgcg gaacagatct gcatattcta caaggccacg 240
 ttcagacatg cacacccgga cgtatcctcg gccacgaggg cgttggaate attgagtcct 300
 tgggtaccgg cgtcacacgc ttttctgtcg gacaacccgt cctgatctcc tgcatacagt 360
 cgtgtggctc ctgcaatttc tgccgcaaga gaatgccctc acaatgtaca tctgggtggct 420
 ggattctggg caacaccatc gacggcacgc aggcagagtt cgttaaggatc cccacgcat 480
 cgttctcgct gcatgcgcta ccaaacggcc ttgatcctaa agtcgcccgc accttatccg 540
 atgttcttcc gactgcatac gaatgcggca ttctgaacgg tcagatccag cccgggtcaa 600
 ctgttgctat catcggcagg ggttcaattg ggcttgaggg cgtttaaaag ggc 653

<210> 4561
 <211> 1387
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1387)
 <223> n = A,T,C or G

<400> 4561
 cgaggcttcc tctctaataca ctcttccttc ttccctctac tctcgtcttc aattgcatct 60
 gtcatacatgc ctcccggttc agttcttgct actgggtgga cgggctacat tggctctttc 120
 accgcccttg ctctcctcga ggctgggttac aaggctcgctc tcgcccgaaca cctctacaac 180
 tcttcgcccg aggtctcttcg tcgcattgag ttgatctccg gcaagaaggc tgagttcgct 240
 caggtcgatg tcaccgacga ggcggcttcc gacaagggtt tcgaggccca ccccgacatt 300
 gacagtgtta ttcacttcgc tgccctcaag gccgtcggcg agtctggtga gaagcctctg 360
 gactactact atgtcaacgt ttacggaact ctcaacctcc tgcgttccat ggtccgccac 420
 aatgtctaca acattgtctt ttccagctcg gccaccgtct atggtgatgc caccgccttt 480
 cccaacatga tccccatccc cgaggagtgc cctctggggc ctaccaaccc ctacggtaac 540
 accaagttcg ccgtcgagac cgcaatcacc gatgtcatca acgcccagcg taacaacgct 600
 gccaaggccg gaaacgagga agaaagcaag aagtggaaag gtgctttgct gcgctacttc 660
 aaccccgcgtg gtgcccaccc cagtggcatc atgggtgagg atcctcaggg tgttccttac 720
 aacctgcttc ccttctttgc ccaggtcgct accggcaagc gtgagaagct ccttggttcc 780
 ggtgatgact acaagtccca cgacggcact gccatccgtg actacattca catcctcgac 840
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 gcctggaact tgggtactgg caggggcagc actgtctacg agatgggtccg tgccctctcc 960
 gcctctggtg gccgcgagct tccctacgag gttgctcccc gccgtgctgg tgacgtcctt 1020
 aacctcaccg ctaacccccc ccgcgcgaac accgagcttg gctggaaggc tgagcgcaact 1080
 ctcgagcagg cttgcgacga cctctggcgc tggaccaaga acaacctca gggctaccgc 1140
 caggagcccc ctgctgagct gctggaacag ctgaagaaat aaattattct taatgtgagc 1200
 aaatgatcta ccggtggatg cttagatcta tgatgcgaag gtggacggat catcgaaatc 1260
 gccctcgat agacacaaaa agcctgtaga ttggttgaga ctaatttctn ttcttgttcc 1320
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 aatttcg 1387

<210> 4562
 <211> 993
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(993)
 <223> n = A,T,C or G

<400> 4562
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 cgggtttttt ggcaagttct ggggaactcca gaagggtgatg tggacgacca acgcgggatt 120
 gacggagtcc catgcttggg attcgcgacc cccgtcgtgg ccaacgctgc tccgtggcat 180
 taattttctgg ggcgctgatc atcgccagat ctacctcctt ggcaacccac ttatctggtg 240
 gtcctcgaca ttggcaattg gcatctacgt actatttaag ggaatctcca tccttcgctg 300
 gcaacgtaat tgtgcggact atcggaacgt taatttcaag agatttgact acgaggttgg 360
 cacaagtgtc ttaggatggg ccttccacta tttccccttc tacctcatgg cccggcaact 420
 ctttctccat cattatcttc cagcgcttta ctttgccatt atcaccttgt gtcaagaatt 480
 cgacttcctt gccaacgcta tccatgctct tggactagca tccaggcccg ccattggcaa 540
 ggcgttggcc ggtattttcc tcgcactgag catcttcact ttcacacttt attctccttt 600
 ggtctatggc aacccctgga ctccagacgc ttgccgcaag gtgaaactat tggacacctg 660
 ngatttcgac tgcaacactt tccatactga ccttggccaa tatgtaacc actttacaaa 720
 taccaatgtc gctataccaa caacacaggc acctcctcct gagggccctg tagccctcc 780
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 taccctggag cccagcccc ctcgtgctaa ggcacgggtt gaataccgtg atcaggatgg 900
 caatattttg gacgagaagc ttgtttgccg cctttgccag ganggcaaag tatnctttga 960
 gactcgcatg agactcgtac tcgcttggag cag 993

<210> 4563
 <211> 674
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4563
 ctgaatacga ctttgatgtc tcacattaga gatcgactcc ctgatatcaa agcccgtttg 60
 aataccctca tgggtcaaac acaacaagag cttgctaact atggcaataa acagttcaat 120
 ggcaaggagc atcgcggttc aatgatcctg caactaatga caggttttgc ctctccttt 180
 atatcctcca atgaggggac ttcaactgaa atctcaaaca cagagctttg cggtggtgcc 240
 agaatctatt atatattcaa ctccgttttc ggcaaatctc ttgagacaat tgatcctaca 300
 cacaacctga cagtgtcaga tatcagaaca gcaattcgaa actcaactgg gcctcgccg 360
 agtcgcctct ttgtccctga tcttgccctac tagttgtcgg gcaccctcag agcaggttgt 420
 gggcccactt agtccagtat gtgactagct tgcgatggag gaacttaaaa ttgcttgcca 480
 tgacggcgaa aaaaatccac ccctttcctt gccaggccta aaaggctatt ttagtgaggt 540
 acgaccccc ctccttcggg agcggcttgg ggcttgagc aagaagaagg cgggggtccc 600
 tgaattccaa agcacgggtg ccatataaaa atacaaaccc atctcttatt tttccggggg 660
 gcgggggggtc tttt 674

<210> 4564
 <211> 801
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(801)
 <223> n = A,T,C or G

<400> 4564
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 ccctagaacc cgtcatctgc aaacaaatca tggaaatcca ccacaaaaaa caccacaaa 180
 cctatatcac caacctcaac gccgcctct cgcaccaatc caccgcccct gccgcaaca 240
 acatcccca gctcatcaac ctccagcaaa agatcaagtt caacggcggt ggccacatca 300
 accactccct cttctggaag aacctggccc cccagcctc ccccgagacg aacatcgacc 360

aggccgcccc	cgctcctgaag	gcggccatcg	aggcccagta	cgggtctgtc	gagaagttca	420
aggaggcggt	tggggctacg	cttttggggt	tgcaggggag	tggatgggg	tggttgggtg	480
ctaattggacc	ggggggcaag	ttggagattg	tttcgacgaa	gaatcaggat	cgggttacgg	540
ataaggtgcc	ggtttttggg	gtggatatgt	gggaacatgc	ttattatttg	cagtacttca	600
ataacaaggc	ctcgtatgtg	gagggcatct	ggaaggtcct	caactggcgc	actgcggagg	660
acagattcaa	gaatgggggtg	gagggctctg	cgcttttgaa	gctgtagatc	agtcgaagtc	720
tgagtctttc	tgcttagcaa	gtagacaaac	ataaatatga	atatgcataa	ataaaacccc	780
tttnngnaan	agaaannaaa	a				801

<210> 4565

<211> 654

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 4565

cctgtctttt	ctcaatcaaa	ctcgtcgtat	cttacttcca	cataaacaca	cattcaaaat	60
gcctcgccaa	ttcttcgtcg	gtggtaactt	caagatgaac	ggtactgcgg	aaagcattac	120
cgccatcatc	aagaacctca	acgaggccaa	gctcgacgag	accaccgaag	tcgtcgtctc	180
ccctcctgct	ctctacctga	ccctcgccca	acaggtcgcc	gacgagaaga	agaaggttgc	240
cgtttctctc	cagaacgtct	tcgacaagcc	caacggtgct	ttcaccggtg	agatctcggt	300
ttctcagctg	caggatgccca	agatcccctg	gaccatcatt	ggacacagcg	agcgccgtgt	360
catcctgaag	gagactgacg	agttcattgc	tcgtaagggt	aaggctgcca	ttgacggtgg	420
cattagcgtc	attntctgca	tcggtgagac	tcttgaggag	cagtgggtcta	aggctcgcat	480
tgcctacgag	cccgtctggg	ccaatcgtac	cggcaaggtc	gctaccaacc	aacaggccca	540
ggaagtccac	cccgcattc	gaagtgggct	cgccgatgcc	atcttgcccg	aggccttcga	600
aaacaacccg	tttcatctac	ggtggctccg	tcagcgaaaa	gaacttgcg	gagt	654

<210> 4566

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

<400> 4566

cttagctgat	ttgaagccat	ttgacatcaa	ttgattttat	agcagccaca	atgttcgccc	60
gacagtgtc	acgattgggt	tcttcccggg	ctgccgtccc	cttgtcttcg	tatctttccc	120
gtgttaggcc	gtattcctcg	gcatacaggat	atgagcacat	cctgacctcc	agccccaaagc	180
ctgggtgtcg	gctgagtatt	cacattgaac	cgccctaaag	cccttaatgc	cctttcaagc	240
cccctcttca	aagagatcaa	cgatgccctt	tcctaaatag	atgaggacaa	ggatattggc	300
gccatcataa	tcacaggagg	tgagaaggct	ttcgtcgtcg	gtgccgatat	caaggaaatg	360
gcgcccttga	ccttctccgc	tgcctacagc	aacaacttca	tcgccccttg	gtcccacctt	420
gccaacaata	tccgtaaacc	cgttattgcc	gcagtgtctg	gctatgccct	tggtgggtgg	480
tgcgagctcg	ccctcatgtg	cgacatcatc	tactgtacct	cgaatgccac	cttcggccaa	540
ccggaaatca	aactagggtg	tattcccggc	gctggcgggt	cgcagcgcc	gactcgtgcg	600
gtaggaaaga	agcaggctat	ggagctgac	ctgactggaa	agaatttcag	cggcaaggga	660
gcaggagaat	gg					672

<210> 4567

<211> 673

<212> DNA

<213> *Aspergillus oryzae*

<400> 4567

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ttaattgtat	tcattttta	aaaagtttct	ctttcaaaat	gtctttctgg	gactcactca	120
gcggccgcaa	acaatccaag	ggccccgaat	tcgacccttc	cactgcgcaa	gatgctacgt	180

cgttcctctc	ggaagtcgcc	attcctgatc	ctacctctct	ccaccccttg	gctggcctga	240
accaggatac	cctcgattat	atcacccctc	aagactccgc	ccttgatgaa	acacctggct	300
cgcgatcact	tttgccatcg	cgtggatggg	ccgatgacct	gtgttatgga	gccggaacaa	360
cgtaccttgc	cggtttgacc	attggaggag	catggggctc	tgctgaaggc	atgaagaagg	420
tgacctgcac	agcaccctcc	aagattcgcc	tcaacgggtg	cctgaacgct	atcacaagga	480
gaggtccttt	cctcggaaac	tccgcgggtg	tagtggctat	ggtatataac	ggctttaact	540
ccggaatcgg	atatgtgcga	ggaaagcatg	actctgccaa	cagtgtcggt	gcgggtgccc	600
taagtgggat	gctcttcaag	agcaccaggg	gtcttaaacc	catgatgata	tctggcggtg	660
ttgtggcttc	tat					673

<210> 4568

<211> 659

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(659)

<223> n = A,T,C or G

<400> 4568

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gcagtgcga	gtccttcggc	atgatccgtt	caggaagaat	cgacttgacc	attctgggcg	120
ccatgcaggt	gagcgccaga	ggtgacttgg	ctaactggat	gttgcccggg	aagatcaagg	180
gctttggcgg	tgctatggat	ctagtctcca	acccctccgc	tacgaagggtg	gttgctacta	240
tgagcacac	tgacaagaag	ggcaacccca	agattgtcaa	gcagtgcgag	ttcccttga	300
ccggcaagac	ttgtgtcagc	cgtatcatca	ctgaactctg	tgtctttgat	gttgacttca	360
ctgacggctc	taccctgggt	gagcttgccg	atggtgtcac	tggtgatgag	gtccgcagca	420
agacagaagc	tccgttcaag	gttgctgatg	atgtgaagcc	catgctgtga	tcacgtcctg	480
ttatcatttt	tttgtttgca	tgtctggatg	tcaccatttc	gcgaaaatta	tgggatttat	540
aagcgtatag	tttggtgaagt	catgtcgggt	acgggaatct	gtgtatatata	catttcattc	600
caaaaaatag	ttcagacctt	ttnnnanaaa	annnnnnnnn	nnnnnnnnnn	nnnnnnnna	659

<210> 4569

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(668)

<223> n = A,T,C or G

<400> 4569

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cgccatccag	aaacttgaac	agcgtattga	gaccatggaa	ttgcaggctc	aggacaagga	120
agacaataag	gaagtggccc	tcggaacgtc	caaaatcaac	tatatcgacc	ctcgtctcac	180
ggtcggtttc	agcaagaagt	tcaacgttcc	catcgagaaa	ttcttctcca	agtcggttgcg	240
tgagaagttc	gagtgggcta	tcaagtccgt	tgagcaggat	tgaggagtct	agatttttcc	300
ttcccaagca	gaacacacga	acgtgcgaat	ctccagtctc	tacacggttt	tgcatctcgt	360
tatttccgtg	ccctttatat	ttttagttgc	ttctatctcc	ttctcagcca	cccttggtggc	420
aggtagaggg	ctgtgatata	tgtcgcata	tatggtttcg	atatttcctt	ttattttcct	480
cgggttaatt	tccaaagcan	atgcgctttt	ttggacgctt	gcaaaaagccg	catacacatc	540
tgtgctatac	ttgctttatc	attggctcgc	tctngtgtat	gtacagcatc	tcttcagact	600
cgtcaacaag	agangaacta	agagacggga	agaggaanag	agaaagaaaa	gaggaagcac	660
tacccata						668

<210> 4570

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

<400> 4570

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atgccatggt	ccttgaggcc	gccttcagtg	caggaaacag	ctacgtctat	tgcgccagca	120
gatgcctgta	tggacttg	ctggacaaca	aagcgccgag	aatcttcagg	aaatgcacga	180
agaatggcgt	ccccatctac	tgtgtggg	ttgtcctgct	gattgcgctg	cctgccttcc	240
tgcaagtctc	caacagcgca	tgggttggtc	tcaattggtt	tatcaacctg	gttactgcat	300
cgcaattgat	taatttctct	gtcgttacat	tttcctatac	ccgcttcagg	aaggcgctca	360
tcacgcaaaa	cgttccccgc	agttctctcc	cgtatcaaag	tctcggtcag	ccttacgttg	420
catatgcggc	cctgggtctgt	acggtggtca	tggcgtttgt	gggtgggtat	gaagtctttt	480
tacctggaaa	aagggatatt	cccacctttt	tcttctcata	caccatgatt	ggggatttcc	540
caatcatttt	ctttgggtgg	gaactttggc	acaaaaccca	gattccaaaa	cctgaaaaaa	600
ttgatctgaa	gaccggactg	atgaaattga	gggatttgaa	aaaaatattg	tgccgtgcct	660
gcgaccatta	attctcgagg	tttggcgn				688

<210> 4571

<211> 704

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 4571

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gagggcactc	gaggactttg	agaagagcga	cggagcgctg	cgcaccatta	aggatttggg	120
tgctggtgca	gctggtgaa	ttgctcaggt	tcttcttgga	caacccttcg	atattgtcaa	180
agtgcggttg	caaacaacca	ctcagtatgc	caacgcctt	gactgtgcga	gcaagattct	240
caagaatgag	ggtcccgccg	cgttttacaa	gggaacacta	accccttga	ttggaattgg	300
tgcctgtgtt	agcgtgcaat	tcggtgcttt	ccatgaagcc	cggaggcgtc	tggaggaatt	360
aaacaagaag	aaatatgccg	atagtagcct	ttcctacggg	caatattaca	tggctggcgg	420
tttcgcgggt	atcgccaatt	ccgttctgtc	tgggcctatt	gaacatatcc	gtattcgtat	480
gcagacccag	ccgcacggcg	cagaccgggt	atacaatggc	cctatcgact	gcacccgtaa	540
gctctctgct	cagggaggcg	tcctgcgggg	cctctaccgt	ggtcagaacg	tcacctatct	600
ccgtgaaata	caggcttatg	gcattgtggt	cttgaccttt	gaatacttga	tgaaccaaga	660
tgccaaagcg	aacaatgtca	agcgcgagga	tatcttcagt	ctcn		704

<210> 4572

<211> 746

<212> DNA

<213> *Aspergillus oryzae*

<400> 4572

ctgtcatcca	attaaccacc	tatctctcca	cattttccca	ctcaacctta	aacaagttaa	60
ctctttaatc	aaccatcaat	atgtctggcc	gtggaaaggg	tggaaagggg	ctcggaaagg	120
gtggcgccaa	gcgtcacgcg	aagatcttgc	gtgacaacat	ccagggtatc	actaagcccg	180
ctatccgtcg	tcttgctcgt	cgtgggtggtg	tcaagcgtat	ctctgccatg	atctacgagg	240
agacccgtgg	tgtcctcaag	accttccttg	agggtgtcat	ccgtgacgct	gtcacctaca	300
ctgagcacgc	caagcgcaag	accgtcactt	ctcttgacgt	cgtctatgcc	ctcaagcgtc	360
aaggacgtac	cctctacggt	ttcggtggtt	aaatgctttc	ttttctcgcc	ttttgttttc	420
agccatcctg	cgcggtcgac	gcgtcggttg	tccttcgcga	gcagtgcgcg	gacgggttgc	480
tttttcgggt	tgggtttcgg	tatgactggg	acgttggggg	gttattgatc	ttttaccatg	540

ggctctctggg	tttgctttta	acgtatttta	ctttactatt	acgcgtccac	tactgggtct	600
gctagtgttc	gtgattgaaa	tttctgtatc	atagcggcct	tcatgctatc	ggctgggtacc	660
tctagaacca	tcgcgtcatg	gaaatgcgcg	gtctgggtatg	aatacgaacg	cttgaaaaaa	720
agatgaaata	tttttgtgaa	aaaaac				746

<210> 4573
 <211> 1117
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4573	
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ccaggatata ccagcgccga cagggatatat acgagaggag gaaatatcta ctcgatcgct	240
gtcgcgggaa attacgactg gtcttgttca tcgcttttga aatgcttagg agactgactc	300
gaattttgtc gtttagtgaa gattcacatt cgctcccggg ttgtgaccgt tgagggccct	360
cgaggatgac aaaaacccca taagttgaag gagatctcct ataccaagaa gtcgctccac	420
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atcgctgtca ctttcggccg ccccgagaag gatgttatct ctatcgagct gcaccacggg	600
gcccgcgaag gtgtcgctac cctgcgtacc gtccgtacca tcatcaacaa cctgatcatt	660
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gtcaacattg agaagaacgc tgagactggc ctctacgacg ttgagatcag aaacttcttg	780
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aaagtcgaag atgagcttca gctctctggc aactcccctg agaatgtctc ccagagtgc	900
gccgacatcc agcagatctg cagagtccgc aacaaggata tccgaaagt ccttgacggg	960
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cttgatgggt agttaaggat gccaggagaa tctaattttc gcctatttgc atatggaagc	1080
aaagcggaat taaaagcaaa aatttatgga ccatgga	1117

<210> 4574
 <211> 692
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(692)
 <223> n = A,T,C or G

<400> 4574	
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tcccatggaa ctacgccttg ctgtcaatac aagtcttgct gctctgagca agtttgctat	180
cttctgcacc gagcctttcc ggattccctt cgcgggacgt gttgatgtcg cttgcttcga	240
taaaactggg acattgaccg gagaagatct cgtcgtcgat ggtattgcgg gtcttacttt	300
gggtcatgaa ggcgcgaagg tcgaaaagga tggcgtcat accgggcttg ccaaggcg	360
caacatcgca gttgacacaa ctcttgtcct tgcgagcgct cacgctctcg tcaaaactgga	420
tgaaggcgaa gtcgttgggt atccaatgga aaaagctact ttacagtggc tcggttggac	480
cttgggcagg aacgatactt tgacccccaa aaatgcatcg gcagccgatc ctttccgttc	540
ccccagtcga gttcagggtca agaagcgatt tcagttcttc tcngctctga agcgtcagaa	600
tacaattcgc acgggtatca cttatgatcc gaaatcatcc cagaagacca aattcacc	660
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<210> 4575
 <211> 1038
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4575

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taccagcacc	gacaataccc	gcgcgatgat	tctctcatct	ttcatcaaat	ttgttaacct	240
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caaggacgcc	aatcaagatc	agaaggaggt	ccttatggcg	cagaataccg	ggcttaagcg	540
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attatatattc	aaggagcaag	gtgtgctggt	tgaggacgct	caaattcagg	ttggcctgcg	780
atctgagtac	cgtggccata	tgggcgtggg	gaaaatttac	atctctaaca	agtcgtcctt	840
tcctattgga	tcattaacga	cgacgttaga	caaccgtgca	gcgcccacc	tcaagataga	900
ctccaaaagc	ttgcccagag	cttcggttcc	ggctgccggt	caaaccacgc	aaacgttttt	960
ctttgaggct	aatgggcat	tcactgatgc	acctaccatt	cgcattctct	atcttgcagg	1020
tgcccttcag	gcctatac					1038

<210> 4576

<211> 667

<212> DNA

<213> *Aspergillus oryzae*

<400> 4576

gtgtctcaga	ataattccaa	cgctcatcgt	tgcttatgcc	cattgcgcat	gggaatcgaa	60
ccctcatttt	atcatactgt	actatacttt	taactgactg	agggctcaac	gatgacggac	120
aagctcccc	ctccgctcct	cgccctcttt	cagcctcgtc	cacccttgcg	ctatgttact	180
cccattgacc	gtgcaccaga	ggactgtgag	aagagtacac	tcggcgggtg	cgcacaatat	240
ctcccggact	tgaaggagta	tgaagaggag	taccctgaca	atgctacaga	gagttggata	300
cagcgcaaat	tacgacagaa	gcaggagaag	aaggaaaaca	tcgagaaaaca	cttgacagaa	360
ggcattcata	cattcgaccc	ttcaaacgac	ccgcaagctc	gtggtgaccc	cttcaagaca	420
ctttttgtat	ctcgtcttag	ttacgatgtc	aaggagtcgg	atctcgaaaag	agagttcggc	480
cgttttggac	ctattcgagc	gatccgtatc	gtcaaagaca	ctgtaactcc	aaaggggtcg	540
aagaaaccgc	acagaggata	cgcttttatc	gtttacgagc	gcgagaaaaga	catgaaagcc	600
gcttacaaag	agacggatgg	cattcgtatc	aaggaccgac	gtgtcttggt	tgacgtaaaa	660
cgtgggtc						667

<210> 4577

<211> 644

<212> DNA

<213> *Aspergillus oryzae*

<400> 4577

ctcaatcctg	tctctttaat	tcaattgtca	cctttgacat	cataaatctt	tcaaaatgtc	60
cgacgagcag	accttcattg	ccatcaagcc	cgacgggtgtc	cagcgcgagc	tcgttggccc	120
catcatctct	cgttttgaga	accgtggctt	caagcttgct	gccctgaagc	tctgctcccc	180
ctccaaggag	cacctcgagc	agcactatgc	tgacctcagc	tccaagcctt	tcttcccccg	240
cctcgtctcc	tacatgctga	gcggccccat	cgtcgccatg	gtctgggagg	gccgtgaggt	300
cgtcaagacc	ggcgcaccca	tcctcgggtc	caccaaccct	cttgccctccg	cccctggcac	360
catccgtggg	gacttcgcca	ttgatgttgg	ccgcaacggt	tgccacgggt	ccgacagcgt	420
cgagaaagcc	aagaaggaga	ttgccctctg	gttcaagcct	gaggagctcc	agaagtacaa	480
gcacagccag	tttgactgga	tctacgagaa	ggcctaaatt	tctctgttcg	atctgaaaat	540
ctgaaaatct	gctccctgat	acggcttaaa	ccgtaagggc	agcaaattgat	ataaaccaga	600
aaagacgtcc	tgagaaatag	aaatcataca	atatctacga	gccc		644

<210> 4578

<211> 655

<212> DNA

<213> *Aspergillus oryzae*

<400> 4578

gacaatctat	cttcgacaat	ggggacgtca	cagcctactt	tgagggtccat	cctcgggaata	60
ttatttcctat	gtcttatcca	gatttccgcc	gcgttgaaat	tcgacctgcc	cgctgtgagc	120
ggaaagaacg	agcgatgcat	ccgcaacttc	gtctttaagg	accagcttgt	cgctgtgaca	180
gctatcgtga	gcggtcagaa	gggtgatgga	cagaagggtta	acattcatat	caaagatgcc	240
ctgggcaatg	accacggtcg	cccaggggac	gttgtaggcg	agactcgcca	gacattcact	300
tcttcggagg	ataccgcttt	cgatgtctgc	ttcgagaaca	agcttgaggg	acggtctggt	360
gttgccaacc	cttatcggtc	cattgaactc	gatgttgaca	ttggcgccga	tgctcgtgac	420
tggtctagca	ttcaggacca	tgagaagctc	aagcccctcg	agactgacct	ccgccgcatt	480
gaggagatgg	tgcaagaaat	cgtcagcgaa	atggaatacc	ttcgtgcgcg	tgagcaaaag	540
ctgcgtgaca	ccaacgagag	caccaacgag	cggttgaaat	ggttttgcgtt	tggcacaatg	600
ggaatgctga	ttggcttggg	tgtttggcaa	gtaatctatc	tgagggccct	actcg	655

<210> 4579

<211> 545

<212> DNA

<213> *Aspergillus oryzae*

<400> 4579

cggctctgct	gcccagggtca	aggccatgaa	gcaggtcgct	ggttccctga	agctgtttctt	60
ggctcagtac	cgtagaggttg	ctgccttcgc	tcagttcggg	tccgatcttg	atgccgccac	120
caagcagact	ctcaaccgtg	gtgagcgtct	cactgagctg	ctcaagcaga	agcagtactc	180
ccctatgtcc	gtttccgaca	tggtccctct	catcttcgct	ggtgtcaacg	gtcacctcga	240
caacatcccc	gtcgcaaaga	tcctccagtg	ggagtctgac	ttccttgctc	acctcaagag	300
caacaaccct	gagatccagg	aggccatcga	gaaggagggc	caggtcagca	aggagaccga	360
ggctttcttc	aaggagatca	tccagagctt	caacaagtct	ttcaacgcat	aggtgagcaa	420
aaagcaactg	ggtgattagc	caaccgtgta	ttggttggtt	cctgactctt	tgtgatagac	480
aagaatatct	tggacaattt	gaaacccaat	tttcaaaaaa	aatagatgt	ttaataaagt	540
aaccg						545

<210> 4580

<211> 874

<212> DNA

<213> *Aspergillus oryzae*

<400> 4580

cataaatcac	tcgtcacaaat	gggttttcacc	gacttcgttt	ctgaggctgg	cctcactggt	60
gccaacaact	ggttcgccac	cagaagctac	gttattggcg	atgctccttc	ccaggccgat	120
gtcgtgacct	ttaaggcctt	ctctggcgcc	cctgacgctg	agaagtaccc	tcacgttgcc	180
cgttggtaca	agcacatcgc	ttcctacgag	gctgagttcg	gctccctccc	tggtgatgcc	240
tctaaggcct	acaccaccta	cggccccgag	gccactgagc	tccccaccaa	ccctaaggac	300
aagcccgccg	acgaggatga	cgacatggac	ctcttcggca	gtgacgacga	ggaggaggac	360
cctgagggtt	ccaggaagca	tgcagagaat	cttgctgcgt	acaaggcgaa	gaaggaggct	420
aagggcccta	agcccgtctc	caagtccatt	gtcactctcg	atgtcaagcc	ttgggatgac	480
gagaccaacc	ttgaggagat	ggaggccaac	gtccgtgcaa	tcgagaagga	cggccttgct	540
tggagtgcct	ctaagtgggt	tcctattggc	ttcgggatta	agaagctcca	gatcaacctt	600
gtcgttgagg	acgagaaggt	ctcccttgat	gagctccaag	aacagatcca	ggaggacgag	660
gaccacgtcc	agtccactga	tatcgtctgt	atgcagaagc	tgtaaatgaa	acgtttatga	720
agggaatggt	gtgatgaaag	atttttcatg	tgattgaacg	gaaaccaaag	tcatgaactt	780
aacaaataac	tagagctcga	tcggcattgt	tcgattgttt	tgatgaaaaa	aatgaaaaa	840
ataccccaac	aaaaaaaaaa	aaaaaaaaat	tcac			874

<210> 4581

<211> 634

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 4581
 cgcacaactc gctcgtccga attgaagatc ttgcgaaaat catgccgtgt tcccatcagc 60
 acagccagta ctaccccgcc gaggagaatg ctgagccagg ccgcccgtatt cgctgctttg 120
 gctgctcccg gtgcgttccg agagcccagc aggttgccca ctcgtgccga cgtggcgacg 180
 cctactccaa acgggattgt gttgagtact tgatctgcgg tcatgataac gctttgcgcg 240
 gccaatgcga tgggtccccag tcggcctgct gccagggcca caatctcgaa cgtccaccat 300
 tccgtgccaa cgtgaatgac acccaggaaa gctaggcggg caaaagtacc caggttcttg 360
 aacgcctctc gcgaccatcc gcccagcat tcggaccggg caatgaaccg ggcatagagg 420
 actaacaaga taaaagacag ccaatacgaa atgccagtgg cgaacggcgc tccgagtaaa 480
 cccatcccaa aggtgtaaca gaataggtag ttgagaaggg cataaagggg gatgtaacat 540
 taacacatac gttccgggac gcatgatgcc tggaaaatag caccgtttag gactgggttc 600
 agaggcggaa aatcagtcgg gtcttacctt gagg 634

<210> 4582
 <211> 668
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4582
 cgaccgattt caccaacttc tgcggctctg tcatccacga ggcttctttc aacaagctgg 60
 cgaagggtgat cgacgaggcc aagaacgacc ctgagctcga gctcctggcc ggtggtacct 120
 acgactcttc caagggtctg tacattcagc ctaccgtcta ccgcacttcc aacctgacc 180
 accctctcct gtcccgtgag cttttcggcc ctgtcctggt cgtccacgcc tacaacgacg 240
 ccacggaggc cgacttcacc aagatctgag agaagatcga ccagaccggc gactacggtc 300
 tgaccggagc tgtgttcgag caggaccgag aggtctctcc ccaggcggat gacgctctcc 360
 gcaacactgc cggcaacttc tacatcaact gcaagagcac cggtgccgtt gtcggccagc 420
 agcctttcgg tgggtgctcg gccagtggca ccaacgacaa ggccgggcagc ggaaacctgc 480
 tctctcgttt cgtcagcttg cgttccatga aagaggagtt cgtccctacc tacaacgttg 540
 gctaccctag caacgcataa attgtgtcat gaaagtcttt ttttgtaaat gtattccccg 600
 atctgtatct ggtttggtaa tttggtggga atggctatct ctgcataaaa ttttggcggg 660
 catatgac 668

<210> 4583
 <211> 686
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

<400> 4583
 ccaccttctc cgacaagctt ctgcttcacg ctggtgtatt attctccact ccaccaatca 60
 accgtccctt catatcatac cgacaagatg agcgttacca cagccgcgcc cgtggaggcc 120
 aaaaccgagc ccagaagct aagcggcttg aacctgtatt cgcgattcgc attcgccgga 180
 gccgtctgct gttccgtcac ccacggaggt ctacccccg tcgatgtcgt caaaaccggt 240
 atccagctcg accctgtcac ctacaaccgc ggcctcatcg gtggcttcg ccaggctcatc 300
 cagaatgaag gcgcgggcgc ctttctaacc ggtgccggtc ctacattcgc cgggtacttc 360
 ctacagggtg cgctgaagtt cgggtggtat gagttcttca aacagcagtc gatcaacact 420
 atcggctatg aaaatgccag aaacaaccgt atcgccgtct actgtgtttc gtcggctttt 480
 gcggagttct tcgctgatat tgcgctctgt ccgcttgagg cgaccctgat tcgtttgggtg 540
 tcngagccga cctttgctag tggcctngtt tctgggttcn ggaggattgc tcgtcaggag 600
 ggtcttgctg ggtttttattc ttgctttggg gctattctgt tcaagcagggt tccgtatacc 660
 atgtccaaat tcgttggtga agaaaa 686

<210> 4584
 <211> 1073
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1073)
 <223> n = A,T,C or G

<400> 4584
 cgctggtgta tcgaatcgct tcaacgtcca ccatcgtgct ctatcacttc aaacacccgt 60
 ttgacgcgac atttccatct ctgcgacctt aaatctcgac gcttttcaaa atgcctgggtg 120
 gaaagggaaa gtctatcggc ggaaaggctg gttcaaagga ctctgcgggg aaggctcaga 180
 agtcccacag cgcaaaggcc ggtctgcagt tcccttgccg tcgtgttaag cgtttcttga 240
 agaacaacac gcaaaataag atgcgcgttg gtgctaaagc tgccgtctat gttaccgccg 300
 tgttgagta cttgactgct gaagttctcg agcttgctgg aaatgccgcc aaggacctca 360
 aggtcaagcg tatcaccccc cgtcacttgc agcttgccat ccgtggagac gaagagttgg 420
 acactctcat ccgcgccacc atcgctttcg ggggtgtctt gccacgcac aaccgtgcgc 480
 tgttgctgaa ggtggagcag aagaagaaaa acaagactga ggcttaattt acggcggata 540
 cccacgaat atggcggttg aaatgatgac gattgaaaag gactccggga tatgtctgtt 600
 acagcgatcg acctttaact ggttctaatt caaacccgac cagttgcgaa agaaaaaaaa 660
 aaaaaggaaa catccaatga ggaaatggag aactagatga attggcatct ttcaggacag 720
 ggattttctc aacagacgca tcccccaattt ttacttttcc ctacccacg acgctacagt 780
 tcgcgacgct ttttctctct tggactctgt tttcctctat gtgctccgtt cataccgatg 840
 gtctcgaaat actagggcgc tggttaatgga aaaagggtgat atcttaacac ggggatgatt 900
 ttcgattttt agctttttct ggttcctatt ttttttcccc cctatacttt ttttcccatg 960
 aaactttatt tttaattgag atgcgggggt taaatggctt cccaaaaaaaa aaaaaanaaa 1020
 aaaaaaaaaa aananntttt tcttgggggc cgtttgaaca ttccttttaa agt 1073

<210> 4585
 <211> 979
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(979)
 <223> n = A,T,C or G

<400> 4585
 tacgaagctt ttttccgatt ccaaactaag ccggaactta cccgctatgg cgaggtttac 60
 tatgagggta aggaatacga gacgaacctt agacatttac ggccgggcca gcttagcgct 120
 gagctcaagg aagccctcaa tatgccaccc ggtgcgcccc ctcccttggtt aatcaaccag 180
 cagagatatg gccacacccc atcatatcca gccttgaaga ttcccgggtc caacgcgccg 240
 cccctcctg gtgccatgtg gggatatcat cctggtggct acgggaagcc accagtagat 300
 gagcacaatc gtcctctcta tgggtggtgat attttgggtg tattgcaacc gcaacagaca 360
 atgcagcaag gcgagcctgt cgagaaggat ctctgggggtg agctacaaga acccgagcct 420
 tctgacgagg agagtgaaga tgaagatgat gaggaagatg aagaggacat ggaaacgggc 480
 gtccagactc ctagcggact tgagacgcca agtggggttag catcagctgt tccctctgag 540
 ttagctggcg aagagaatgt ttcgggggaa tttgacgtgc gcaagcacta tcgaggcaca 600
 cagactgaag agtctgtaag tcacaagagc gcttttcaag ttatcccaga gcgacaagcc 660
 aatgtgcggg gcttcttcgg tggcgaaaag gtgtatgatc ttgctgcgca tccagaaaac 720
 ttggcgggtg tgggtgctga tgaacaaaat cggaagcgca agaaacccgg cgacgttgat 780
 gtctctatgg acccagattc tctacagtca aatgagggat ttagcaaaga aagcattcga 840
 aagctttacg aatcccaaag gcagcaggaa aacaatccta gttggggatt ccaggaggat 900
 ctaagtata tgattgctca agaaagccgn caaaagctca aaagggaaga agagaacgga 960
 accgccattg aatcactg

<210> 4586

<211> 692
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(692)
 <223> n = A,T,C or G

<400> 4586
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 cctaaagtcc tggtagcacc gaaaccacgt cccaccatcc ctgaagaatt cgctaaatcg 120
 gactctgttt attaccgaaa acctggaaat gaatctgtca ttggagctgg cacatatgga 180
 aaggtcttca aagcaatcca cgtgtatacc cagagaaagg tggcattgaa gaagatacga 240
 atggagggcg agaaagatgg gttccctgtc acagctgtgc gcgagatcaa gttgctgcaa 300
 cacctccgca acgataatgt tgtgagcttg ctggaagtca tggtagagag gaatgagtg 360
 tttatgggtg ttgaatatct ctcccatgac cttaccggtc tcatcaatca cccgactttc 420
 acacttacgg cagcccataa aaaggacctg gcaaagcaga tgttcgaagg attgagctac 480
 cttcaccatc gtggagtgtc gcatcgcgac atcaaggccg ccaatatcct tataagcaac 540
 cgtggacagc taanatacgc cgacttcggg ttggccagat tcttttcaaa gagtgcacaa 600
 cttgattaca caaatcgtgt tatcaccata tggtagcgac cgccggagct tctnctgggt 660
 gaaaccggtg cggacagcaa gtgacgtttg aa 692

<210> 4587
 <211> 723
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4587
 tggaggatct cgagggccct tttgataacc tattcgtgaa ggatctttct ggatgcccgg 60
 gatacaaggc caccaagcac tggcagactc ggtctggctt ttatgcggac ctgactctcg 120
 caggtcgggc atgcaacgtc ttcggcactg atctcccga cttgaagctc gaagtcgagt 180
 atcagaccag cgatcgactc cacgtcaaga tcttgacac caacaacact gtctaccagg 240
 ttccagacag tgtcttcccg cgtccgggat ttggcgaatg gtgctccccg aaggacagca 300
 agtcaagtgt tgacttccag gccgacccct tctcgttcac ggtgtctcga actgataccg 360
 gtgaagtgtc cttcgcacca cgggcaacaa actggtgttc aagagccaat atgtctacct 420
 gaaaacacac cttccgcaga ccccatctg taccgtctgg ggagcacagt gatgcattta 480
 tgctcaacac gaccaactac acccggaaca tcttcacccg tgatgcttac ggaacacccc 540
 aaggcgagaa cctgtacggg gctcatccaa actactttta ccacaggcaa taccgggaat 600
 cacggagagg ttctgtgtca acttttaacg gaatgggata tctttaattg acaacaaact 660
 ccaccccagt ttctttgagt aacaacaatc attgggcggg ggtgttcaga ttatttatca 720
 ttt 723

<210> 4588
 <211> 638
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(638)
 <223> n = A,T,C or G

<400> 4588
 cacaatatgt cgatctcgac gtttcagcct ccctaccctc tccatccttc cgttaaggac 60
 ctcttgatc ccgaatacat ttccttctat aacgagtatg tcatcaacca gcagcaagtc 120
 catcttcaac ccgtcgaagc ctcccgaaca agcgggggttc tgatccctgg cgggggtccg 180
 ctctcagagg taggaaagac agaggatc acgatcaagc gacgcgcgac agaagggtcca 240
 gagatcctgt tgcgtgcatt caccacagct ggggagacac cagacggagg gtggccgggtg 300
 atgctgtatt tccacggngg tggatgggtc ctggggaata taaacacgga gaatccgggt 360

tgcacaaatt	tgtgctgag	agggaaactgc	gtcgtagtca	cagttgatta	caggcttgcc	420
ccagagaatc	cctttcccg	agccgtccat	gactgttggg	attctcttct	ctggctgatt	480
tctgacggac	cctcacgact	ctctattaat	acatctaana	tggcgaccgg	tgggctctca	540
acgggcggaa	actaccctca	atcatcaccc	acaaagcctt	aacactttta	ccaccggttc	600
actttcttgg	ccaagctctc	tctgtccagt	gacagata			638

<210> 4589

<211> 649

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 4589

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aaagccacct	gccatttcag	agaatcttcg	ccggggcaat	ttcactgcac	cacttgaact	120
tgggtatttta	cgaaattttg	aatttgcttc	tgaacttcga	cgcgcgagcg	ttattgtaag	180
acaatttggg	gacaatgggt	ctagcatttt	cgtcaagggt	gcaccagaaa	gcgtcagagc	240
catatgtctt	ccagatagtc	tgcctcaaga	ctttgaagat	ctactgaacc	agtacaccca	300
caaaggctat	cgtgtcattg	cttgcgccgc	tagatacgaa	cagaagttga	gctggatgaa	360
agtgcaaaaa	atgactcgtg	gagatgcaga	aagtgatctg	gaattcatag	gcttcattat	420
atttgaaaa	aaagctgaaac	cgacaagtac	cgagactatt	gctgaactga	accaagcagg	480
aatacggacc	gtcatgtgca	caggagacaa	tatccttact	gcaattagtg	tcgcccgtga	540
gtgtggcatg	gtcagcaaaa	gtgaaccatg	ctttataccg	cacattgtag	aaaggtcgtn	600
ctcatgaatt	ggtagccttc	actttgctgg	gagaatgtag	aatattccn		649

<210> 4590

<211> 547

<212> DNA

<213> *Aspergillus oryzae*

<400> 4590

cgaggtcttt	ggagtthttt	gctgcgggt	tgtaactggg	tctgcacccc	cataatccca	60
tggcaccaac	agtccatctc	aactaccgtt	actttgagac	gtcagaccct	aaggatccta	120
tcaatggaga	taagaattgg	tgggtcggcg	gtggtacaga	cttaacaccc	tcctacctgt	180
tccccgagga	tgtcaagcat	tttcaccaga	ccatcaaaga	cgcttgcgat	aggcatgatg	240
caacatatta	ccctcgattc	aaggcctggg	gcgataagta	tttctatctt	ccacatcgcc	300
gagagtctcg	tgggtgttgg	ggtatctttt	tcgacgatct	tgatgccagt	ttcttggagt	360
catctgccac	ttcatcacag	aatcctcagg	aaactctatt	ctcgttcgtc	tccgatagtc	420
tgggttcctt	cctttcctct	tatgttccta	tcattgaacg	ccgaaaggat	acgccattca	480
cacctgctca	aaaaaatggc	agcagcttcg	acgtggggcg	tatgtgggat	tcaacctggg	540
ttatgac						547

<210> 4591

<211> 720

<212> DNA

<213> *Aspergillus oryzae*

<400> 4591

ccgcatcgaa	gttgcgactg	aacgcagccg	cgtcaaaatt	caactcaattt	cccagttatt	60
tgaaattcag	ctcgcacgca	tattgtacct	ctcatttctg	aaaacaaata	gtcgctaaaa	120
tgtcaactac	cacggcgacg	gcgatgcaaa	gctctcgccc	gcctatcatc	cctaaagatt	180
tctccgctca	gcaacctcaa	acaattcgct	tatatccact	ttccaattac	acattcggca	240
ccaaggaaac	gcaaccggag	gaggacccct	cagtcctggc	ccgtctaaag	cgccttgagg	300
agcattacga	ccaacatggc	atgacgacga	cttgcgaaag	tggtcttggt	tgccacgaac	360
ataaccatcc	tcattgtgtg	atgctacaaa	tcgccaatgc	ctttttcaag	cttcccgccg	420
actatcttca	cttcgaagac	gatgaggtgg	agggtttcaa	gaagcgacta	aatgagcgcc	480

ttgcgcctgt	cggttcgcag	ttctcaggag	aaggtgtcaa	cgaggactgg	gaaatcggcg	540
acacacttgc	gcaatggtgg	cggccgaatt	ttgagacctt	catgtatccc	ttcctgcctg	600
gtcatgttac	ccggcccaaa	ggagtgc aaa	aagttgtact	tcatcagct	gcctaagaaa	660
gaaggtctct	cagtaccgaa	gaacatgaaa	gctcttgctg	tgccgctgtt	cgaactggac	720

<210> 4592
 <211> 698
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 4592						
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caacgcaatt	gcgttcaatc	ctgctgcaga	aaccgttctc	gcgacaggct	cagccgataa	120
atccattggc	ctctgggata	tgcgtaatct	caagactaaa	ttgcacacac	tcgagtgcc	180
taccgactcc	gtaacttctt	tgtcttggca	cccatttgag	gaatccgtct	tggtagtgc	240
aagctatgat	cgtaaaatta	tggtctggga	tcttagccgg	agcggcgaag	agcaaacccc	300
tgatgatgca	caggatggac	cccctgagct	cctcttcatg	cacggtggcc	acaccaaccg	360
tattttttga	tttcagtggg	aaccttacca	accaatgggt	cctgtgtcct	gccgctgaaa	420
acaatctgct	acaggtgtgg	aaggttgctg	atgccattgt	tggttaaggac	ttggaggatg	480
tgccaaccga	ggaattagag	gcctaattaa	cttcatgtca	atatcccgat	tcccttggat	540
tccatcacct	gatgccggaa	atattctaag	atcttgctca	agtgtctgaa	attggacgaa	600
aatatcaatg	agaaaagaaa	tatgtgagcc	ttgtgttaaa	acggaagggt	tccctttcnc	660
ggtttggata	ggcctcacc	aaaagaacaa	ttttacc			698

<210> 4593
 <211> 717
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4593						
tcgcatgtgg	tgatgcgaac	gtgatgttag	ctggcggtgc	tgaatcttgc	atccatccgc	60
tagctgttgg	aggctttgcc	cgggcgcgga	gccttgcaac	gagctataat	aatgtcctg	120
agaaggcgtc	tagacctttc	gatgcggatc	gcgaagggtt	cgtagtcggc	gagggcgccg	180
aaatagtatt	tctagaggag	ctagaacatg	caaaggcaag	aggtgcacgt	atctacgccg	240
agttgagagg	ctatggctgt	tcatgcgatg	cacatcatat	aacagcgccc	aaagaaaacg	300
gcgaatgggc	attcatggca	atgagaaaag	ctctgaagaa	cgccgacatt	ttcaccgtct	360
atggttgaat	accttaattg	acacgccact	tccactgtag	tccgggatgc	cgcaaaaaac	420
accactaac	aaagaacttc	ttttttggtc	cttgaacgaa	agctaaaatg	cccagcgact	480
taaaatattc	tccaacaacc	caatggcgcc	tatttaggtca	cacttattta	gtaggcacct	540
gtgctccaaa	gcaaacactc	ggtttcacca	tctcattgtc	tattatagag	gaacaaaaaa	600
gacctctctt	catttttaaaa	ctttgaagcg	cacttaccaa	ctctgattta	catcacacct	660
agtttcccca	tcactctacg	ccatcacacg	accaataaac	atcacgattc	accaccc	717

<210> 4594
 <211> 695
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(695)
 <223> n = A,T,C or G

<400> 4594						
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agctgaactt	cctgggtcag	ctgcctgccc	tcaggatcta	cacgcaaate	tgctctgct	180
ttccgttcga	tgctcatct	gatcacgaga	tagtcaggac	cctagagaat	ggcctcgaaa	240
gactgtccac	caatttcccg	tgggtagcag	gccagatagt	cagtgaaggc	agcagccaca	300
acaatcctgg	cacattcatg	atcaaagcac	tggggaagac	tccaccactg	gttgtgaaag	360
acttccgtca	tgatcccgac	gttccgacca	tggacgattt	gagacgcgcc	gactttccct	420
ttcggatggt	agacgagaac	atcattgctc	ctcggaatac	cttgccaagc	cctgacgaag	480
atattatctc	accggccttt	cttgtccagg	ctaattntat	tcacggcggc	ctggctctca	540
ctctttgtgg	ccatcatagc	acaatggaca	tgactgggtca	nggacagggt	atccaccttc	600
tctcgaaggc	atgtcgtggg	gatacatata	caagattgga	gctagagtca	gggaacttaa	660
tggaagggtca	tctcgttccc	tcctagaagg	ctcga			695

<210> 4595

<211> 689

<212> DNA

<213> *Aspergillus oryzae*

<400> 4595

cgtgcccttc	taacggctcc	tatttcataa	tccaattgat	cgaaccgctt	tttatcatcg	60
gatagatttg	cgattgtctg	gcttcatttg	tcgcttctt	gaaccgcaga	acatctatta	120
taataactgg	agctagactg	atactttgag	ctcgccaaca	tgtggatcct	acccttacta	180
ggatatttgg	gggttattgt	gggttctca	tttcttactt	tggccatagc	ttctgggctc	240
tactatatgt	cggagcttgt	agaagaacac	actgttctca	cccgtcgctt	tttgactcgg	300
ttgatataca	gcattatcct	catccagatc	ctcctattcg	tatttgaccg	gtttcccttc	360
tctctatccc	ttctcggcat	cggttcgcac	atcgtttatg	caagcaattt	aagacggttt	420
ctcatcgtca	agctatcgga	tccctttttc	attctgtcat	gtgttcttgt	tggtctaaac	480
cattggctgt	ggttccgtca	tttctcaaaa	cctctacctg	cgtcgcgagc	tgcatccagc	540
tggcgtcaac	cataccaaat	taatgcggag	gacatgccga	ctttcactga	agttgcatct	600
tatttcggac	tttgtgtctg	gctggtccct	tttgcgctct	ttgtcaacct	tagtgcgggg	660
gaaaatgtct	tgcccagcat	aggggccga				689

<210> 4596

<211> 622

<212> DNA

<213> *Aspergillus oryzae*

<400> 4596

accctagctc	acttccgtgc	tctccccaac	tgcattggtc	ggcgtcccgc	tgatggcaac	60
gagaccagtg	ctgcctacta	ctctgtcttc	acctctaagc	acacccccag	cattctggcc	120
cttaccgctc	agaacctgcc	ccagcttgag	aattccagca	ttgaggctgc	tctgaagggt	180
gcgtacgtcg	ccattgaggc	ccccaacgct	gccgttacca	tcactctcac	cggttccgag	240
gtcagcatcg	ccatcgaggc	tgccacctac	ctcaaggaga	accacaacgt	tggtgcccgt	300
gtcgtctccg	ttccttgctt	cgaggctctc	gatgccccag	acaaggacta	caagctcaag	360
gtcctccccg	acggtatccc	cgtcctctcc	gtcgaggctg	cctccaccat	gggctgggac	420
ccgtacgctc	acgagcagtt	cggctctaac	cgtctcgggt	cctccggccc	ttacaagcag	480
gtctacgaga	aattcagttc	acccttgctg	gtatcaacaa	gcgcgccttc	gctaccatcg	540
actttttaca	ggggccacccc	gtgcgcttcc	ccatcaaccg	tgctttccag	agaatctgga	600
gatgtccttt	ggtaccggga	gg				622

<210> 4597

<211> 701

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(701)

<223> n = A,T,C or G

<400> 4597

ccaaggccct	ggtgacctga	accgacctgc	tgattctact	gcaactggcg	aaaagaccgc	60
ggcaaaacaac	gaaacggaga	aaggagactt	tgctccacta	aatcagtaa	ccgagcgtca	120
tcacccctac	ttggtggagc	ttattgctgc	cgaagcagga	gttaagccgg	acgacatctt	180
ggactttgag	atgatcttgt	tcgacactca	gaagtcttgc	cttgggtggct	tgctggagga	240
gttcggttttc	tcgccccgtc	tgataaacct	gaacagctcg	ttctgtgcca	ctggtggact	300
aatcgactcc	ggtgccgatg	cgtcggcgct	ggacgatgaa	ccgtccattc	gtctcattgc	360
gttattcgat	cacgaagaga	tcggcagccg	taccgcacag	ggagctgact	caaagtgtgct	420
tccggcaatt	atccgtcgcc	tgtctgttct	accttcttcc	acatctggca	atgaagactt	480
ggctactgct	ttcgaggaga	ctttgtcgac	ttcattcctc	ctctctgcgg	acatggctca	540
tgctgtncaa	cctaactacg	ctgctaagta	cgagaatgat	caccgaccgg	aatcaacaa	600
nggtcctgtg	atcaagatca	acgccatgct	cgtaccgga	cgaaactccc	ctgcattgtc	660
ctactncaag	aagttgcacg	caaagcagcc	aaagaangtg	g		701

<210> 4598

<211> 687

<212> DNA

<213> *Aspergillus oryzae*

<400> 4598

gttgaagaag	acgggggttg	taattggggc	tgccggcatg	ggccgtgctg	ccatttatgc	60
catgcttcgt	ctgggatgcc	ggaagatctt	catatacaac	cgcaccttat	cccgcgcgca	120
gaatgtagcc	cgtcacttta	attcatgggc	ggcagcgag	gttggctcta	caaaagtggg	180
gcatgtgctg	aggtcattgc	aagatgagtg	gccgtcagaa	acttgtcatc	catgtttgat	240
tgctgcctgt	gtacctgccc	acccggacca	agatgaacct	ccagcaaact	tcgagatgcc	300
gatgcaatgg	cttgaaagcc	ctactgggtg	ggtggtctta	gagtttgctt	acaagcccct	360
ggagaccccg	ctgatacgtc	agatgcgtcg	tttcgcgagt	gaaactggac	ggccatgggt	420
tctggtagat	ggactcgaca	acgtcattga	gcaggccatc	gctcagtttg	agctgctgac	480
gggacggaaa	gcgccacggc	gactgatgac	actggaagca	cttcgcaatt	atgtccggga	540
gcacgggcag	ttcgacgagg	aaacacttca	gacgagactt	gacgggggtc	agtaacacgc	600
ggtcgtgagt	cggcagtgaa	gaagtttgac	acgcattgcc	catcgaatgt	ataaatatgt	660
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<210> 4599

<211> 653

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(653)

<223> n = A,T,C or G

<400> 4599

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aaccgcgttt	cgtacagtta	tgaggcggtc	cttacaaacg	aattctcgaa	cagagttatg	120
tcattgtgctc	cttcgcagct	cgtgcctcaa	ggcccagggt	tggatccaag	ataccaagggt	180
tgtgctctca	ctgggtccga	gcttggttaag	gcagactttg	caggaagtcg	gtatcttcaa	240
gaaagttttc	aattcactcg	gcaccatttg	tgccgcaatt	ttggagtggg	catcgctttc	300
acggttctgt	acctncttgt	cactgtcata	actgcggaag	ttctcttatt	tgtcggaagt	360
gggcgcgggc	cattgggtctt	taagaaggtc	aagcgtttca	caaaactcaa	tagcgcaaac	420
gggaaaagggt	tcgaatgaaa	agcaggttca	aattcaagcg	gaaatggcgg	tttgtccacg	480
ggaaaaccaa	anttttctta	aaggggggag	cctttcgatg	cttttttggt	gtagaacaaa	540
ttttctctgg	ttaaattttt	aaaaaacagg	gcacgtcgat	taggtgaact	ggnatttgta	600
aaaagtggat	aggtgtaggg	tgcttgggt	ttagtactct	ttaacgggga	tcg	653

<210> 4600

<211> 782

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(782)
 <223> n = A,T,C or G

<400> 4600
 cgaagatgcc gtcaaggcat tgaaacgact gaccagcgct aacgcagact tcaacgccga 60
 agaaaccgtc gcaatgatcg tatacaccga cgcactcgag cgacgtgctg aaaccgggtac 120
 ctctacctt gactgcttca agaaaagcga cttacgccga accgaaatct cctgctgcgc 180
 atgggcgggc cagagtctat gtggcgagg cctcatgggc tattcgactg tcttttacca 240
 gcgcgcaggc ctgcgcgtgt cgcagtcctt caccatgtcg ctcggtgcaat atgccctagg 300
 cgtgggtggg acattcgtct cctggacact aatgtcgtac ttcggccgtc gcaccctcta 360
 cgtcggcggt ctatttatcc tagccatcgt attattcgtc atcgggttcg tctccatcgc 420
 tccatccaca cccgccatct cctgggccac cggtcccatg cttctcgtct atacctttat 480
 ctacgactcc tccatcggcc ccgtctgctt cgccctcgtc tccgaaatcc catcctccag 540
 actccgtacc aagaccgtcg tgctggcccg aaacgtctac aatatectca acctcgtcac 600
 cggaaatcatt atcccgtata tgctgaacgt cgacgcattg aactggcgcg gtaaatcagg 660
 tttcttctgg ggtgcactct gcgtttgctg cttgacgtgg tcgttcttcc ggctgccaga 720
 accctaagga cggtcgtatg ctgangtgga tctgnntggt gagagaaggg tgaagacgaa 780
 gg 782

<210> 4601
 <211> 696
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4601
 caagacaact gaccctctc gaataacccc cagactccgt gatggcgact cagactacag 60
 tgtctacac tactacacgc acctgttcca ccccggtcg ttgcctgaac cctgataaca 120
 tcaaccccca cgtcacggag gccaatgatg ccgtccgtgg tgagcttgct gtcaaggccg 180
 aggagtaccg cgtgaaactg gccaatggag acaaatcgtt acctttcgac agtgctgctt 240
 ttgccaatat cggcaatccc caacagctcg accagaaacc catcaccttc ttccgccaag 300
 tactcagtct cctcgagaac cctcaactgt tgaacaacac ggaagcactt cgtacatcct 360
 ttttttatga acaagatgtc gttgaccggg ccaagaagct cctcgcggat gtccagagcg 420
 ttggtgctta cagtcacagc cagggagcgc ctgtgatccg ccaaagtatc gccaaattca 480
 ttgaggagcg tgatggattc ccggccaacc ctcaggattt gttctgctgc gctgggtgct 540
 cgtctggcgt cagcaccatt ctcaatatca tctgcaacgg cccccaagg ccggtgtcct 600
 cgtccctatt tcgcaatacc ctctttacac tgccaccctt tctctctgaa tgcgcaatgt 660
 gtaccctacc tccctcaaga gcaaagggct tggggg 696

<210> 4602
 <211> 672
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4602
 gggatcggtc gcagtcgcg catgcagtac catgcgctga gcattgccaa aggcggagg 60
 caagtggaaa tcattgggta tcatgagtca gaagttcatc ccgatatctc ttccgacccc 120
 agaatctcga ttgtcgact tccccgcac ccagcctatc ttcaaacaag caacaagctt 180
 cttttcttag tatttggtcc gctgaaggtc ctcttccagg ttgcttggtt gtggtgggtca 240
 ctacgtatc gcacgcgacc tgtgaagtgg ctccctgttc agaatectcc atccattcca 300
 actctagcag tcgcacccctt aacctgcttt cttcgtcaaa cgagccttat tatcgattgg 360
 cataatttcg gctactccat cctagcgctc aagcttgga atgggtcatcc attggtcaaa 420
 ctgtcgaaaat ggtacgagaa gacattcgga agatacgcca cggcacattt gtgcgtgaca 480
 accgtcatgg cgtctgtcct gaagaaagaa ttccctactg aggcacctat tctaccactg 540
 catgatcggc tagccaacca tttccggccc atactcgatg ataaacgtcg acaagagttt 600
 ctcttatcct tgcccggtac tgcttccgta caatcactga tcaattccgg ggcacttcgc 660
 gttctattca tt 672

<210> 4603

<211> 671
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

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<400> 4603
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gcgtacgatg tgatcatgga gaatggaatc cccgagaaag gcatcctcct aactctatgc      180
acgaaaacct ggttcaagat cctctccgac aaaatcccct ctctccgcac ccacttcctc      240
accctcgacc tcccgcctca gatccccgag tcgttgcgct ccgtccctca gaacagaagc      300
atgcagggtg gcaagctgaa gatcctcccc attgaggcca tcgtccgcgg ttacatcacc      360
ggttccgcct ggaacgagta caagaaatcc ggcaccgtgc acgggatcaa ggtcgccgag      420
ggttctgagg agagcgaggc cttccctgat ggtcctatct acactcccag taccaaggcg      480
gagcangggc agcatgatga gaacattcat ccggatcagg ctgtcgctat tgggtggtgaa      540
cggtatgcct ctaagatcgc ctcttttgcg ttcaacctta caagggcgct cactgagtatg      600
cccttactcg tgggtgtgtca tttgcggacc caaatttgaa gtccgggttg attccgagac      660
tggccagggt g                                     671
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<210> 4604
 <211> 585
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

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<400> 4604
cgagggggat accatcacgc tcgtctctcc cccatccatt gcaagatgag ctctctccgc      60
ttcgctcgct ctgccctccg ggcccgtccc tctgccttcc gcgctcctct ccagcgcaga      120
ggttacgctg aggccgtgaa cgacaagatc aagctttccc tggcccttcc tcaccagact      180
atcttcaagt ccaccggcgt tgtccaggtc aacatccccg ccgagtcagg agagatgggt      240
gttctcgcca accacgttcc ctctattgag cagctcaagc ccggtcttgt tgaggtcgtt      300
gaggaggggt gtgctaccaa gaagttcttc ctctccgggt gattcgccgt tgtccagccc      360
gactcccagt tgagcatcaa cgctgttgag ggtttccctc ttgaggactt cagctccgac      420
gccgtcaaga accagatcgc cgaggcccag aagatcgcca gcggcagcgg cagtgagcag      480
gatatcgctg aggctaagat tgagctcgag gtgctcgaga ccctccaggc tcacctcana      540
taaattatct gatgtacata tccactcgcg attccagcct tgaan                                     585
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<210> 4605
 <211> 683
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4605
gtggcctagc actcagtgcg ccacaggcca gtccattggt ggctcgaat gtaagaatgg      60
caagctctac cttaccaacc ccaccctgtc caagaagctt tgcattgagg gtgttggtgg      120
tgttcatgct cagaacaacc ttggcgagga gattgccatc tgccgtactg attaccctgg      180
taccgaatct gagaccatcc ctctggccct tggcgacaat gagcttcagc ccttgacttg      240
ccctgacggc gaaacctact tcaagtggga gggcaagggt acctccgctc agtactatgt      300
aaaccccaag ggcaccagca ccaagcaggg ctgccagtgg ggtgatggtt ccaagcctat      360
tggttaactg gctcccatca acctcgggtg cggtcagaac aatggcaagt ggctttctat      420
cttcocagaac agccccacca ccagcgtgaa gctcaacttc aacattaaga tccagggtga      480
caacctcagt ggatcttgta aatacgagaa cggcaagttc atctctgaaa ccggcagcaa      540
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<223> n = A,T,C or G

<400> 4608

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cctcactccc	ccacccgagt	ttattaactc	tcattcggct	tgtatgtcaa	tattgtctga	180
tcaagagaca	ttcaagggtca	catggggatc	aaagattgag	tttttaaatgc	atcgtggcaa	240
acagcctttt	ggcagagact	tcattgctgtc	cggggatagg	cctccaaatt	ccgcatcgcg	300
caaaatgatg	ggagctgctt	tgtaccggaa	gagatgggag	aatgaagtca	gatcattcta	360
tgaagacata	actctaaagc	ttctgcacag	gaactcttac	aagattgctg	ggatcaatca	420
agttgacatt	gtacgagacg	ttgcaaatcc	tgctcagggt	aacttctgcg	caaagtgtgt	480
ctcattgccc	ttgaaaactg	aatctaacc	cgggggaatc	tttacggaat	ccgaactcta	540
ccaaatcatg	gctgttgttt	tcacctcaat	cttctacgat	gcggatcctg	cgaactcatt	600
tgaactttac	caagctgccc	gggaagtgc	gcagcagctt	gggcagttgg	caatggtcaa	660
tgtcgagctt	gtcaacaact	ctgggttcat	tgcaaacctg	gtgagtagtt	tacaccgaca	720
tgacgtgctc	agcgaatacg	gtgtccatat	gatccaacgc	ctcctgggca	ggggactgcc	780
agcggaggag	attgtatgga	ctcataattct	gtcaactgct	gagggcatgg	tagcaaacca	840
cgcgagctt	ttttcacagt	gtcttgacta	ttacctttcg	gaagaaggct	cgggtccatta	900
gcctgatatc	aagatgctgg	cgaagggtga	cacgccggaa	accgacaaat	agctgttaag	960
atacttcatg	gaatgccgcc	cggtagagtc	ttacgtggga	ctgcctccga	tggtgaccaa	1020
nccactgta	tttgaagaca	tgggcagacc	cttaacttca	tgcagggcac	ccattttttt	1080
gacttaggta	tccgttttta	tggcccgcga	gtttttccaaa	acctgaaaag	gaaggcttgt	1140
ttccaattgg	gactcttccc	tattttgggt	tttgcccaca	taaagtcttt	gggtttgggc	1200
ttttgaactt	acccttccc	acctgcctaa	gggatttggg	cgttgaaaaa	tttggccatc	1260
gccaagggcc	caa					1273

<210> 4609

<211> 684

<212> DNA

<213> *Aspergillus oryzae*

<400> 4609

gatcagcctg	tcgtcaagtg	gatcgcgagt	acctgtggag	aatgcgagtt	ttgcctcaat	60
ggggtcgatg	aggtgcattg	tgagaagcag	attaacagtg	ggttttcagc	gccagggacg	120
ttccaggaat	actgtcttgt	tgatgggagg	tatacgtcaa	agataccgga	tggagtttca	180
gatgaggagg	ccgggtccgat	catgtgcggg	ggcgttactg	cttacacggc	ttgtaagaga	240
tcggccgtca	aatccgggtca	atggcttgtg	ctccccggcg	ctggaggcgg	tctaggtcat	300
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ccgctcgttt	tggctttgag	acgactaaat	atcgttggga	atatcactgg	acgcttgaga	660
gattgacacg	gaacccttga	tttt				684

<210> 4610

<211> 682

<212> DNA

<213> *Aspergillus oryzae*

<400> 4610

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acgactgaaa	gatcacgttg	taagcatgga	cggccagctg	gatgcccgaa	ttcaagaagg	180
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gcctagcaat	atcttggttc	ttgatgaagc	gacagcggcc	gtggatgtgg	aaacagatgc	300
attactgcaa	cgcaccttgc	gcagtagtat	cttccaggat	cgcactatca	tcactatcgc	360
ccatcgcatc	aacacgatca	tcgattctga	ccggattgtt	gtgttgga	aaggccgagt	420
ggctgaattt	gacacaccg	ccaatctgat	taagtccggg	ggtaaattct	acgagctatt	480
caggaagcag	gtcttgttga	taacaaagga	catgcgctcg	tgcataatgg	cagactttta	540

ctccacag	ggcgaaaacc	ttggagtggg	tgggccaac	cgagagaggc	ttctctataa	600
tttcggaccg	atcttttctaa	tctggaccct	cgatggaaac	cccgttgaaa	aataggatga	660
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<210> 4611

<211> 681

<212> DNA

<213> *Aspergillus oryzae*

<400> 4611

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cccagaacct	cctggacctt	gtgcagcagg	cttctcacta	ccgtcagctg	aagaagggag	180
caaacgaagc	gaccaagaca	ctcaatcgtg	gtacctctga	aatcgtcatc	ctcgtctgcg	240
acaccaatcc	tctcgtctatc	cttttgcaca	tcccccttct	ttgtgaagac	aagaatactc	300
cgtatgtctt	cgtgcccagc	aagcttgctc	tgggcccggc	gaccgggtgtc	tctcgtcccg	360
tgatcgctgc	tagcatcacc	accaacgagg	ctagcgacct	catgggacag	atccggacca	420
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gatctaggat	atcgaggtg	ttgccattcc	ttgctccggt	ggattcgc	ttatatgaaa	540
gacacaacac	ggaaatggac	catactcttt	aatacctatc	ttatacggga	aacgctatct	600
taaataatga	tgggttctcc	gttgaatatt	tattgggatc	atcttctaa	aatagaccgc	660
catattccct	ttaattaaga	a				681

<210> 4612

<211> 1725

<212> DNA

<213> *Aspergillus oryzae*

<400> 4612

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tctatccatc	ggatctataa	tcgcctcctt	cacctccact	tccctttccc	cacgagaaag	180
actaccctt	aaaaagtctt	ttcttgtcta	gcctttcggt	cgtatctggt	cgaagggcat	240
tcgagaaaag	acgccaaaag	acagccaatc	tggactttga	cgcccggtgc	cccatccct	300
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gaccctctgc	tcctctccca	gatccccgta	tctacggaaa	ggaagagatc	gatctacgcg	480
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<210> 4613

<211> 711
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

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tcggagtacc catgcgttct ctaccacatc ccgcgcggcg gatgtcgact tgtccactct      180
gacaccgacc ccgatcaccc ttctttccga aacagagtca atgatggccg acacagtgtc      240
aaagttcgct caggagcaga ttggacctaa ggtccgagat atggatgagg cggaagccat      300
ggaccccgcc attgtcgagc agctgttcga gcaagggttg atgagtattg aggttcccga      360
ggaatacggg ggagccggca tgaacttcac atctgccatc gtggcgattg aggaattggc      420
gagaattgac cctagtgtca gtgtcatggg cgacgtccat aacacactcg tgaacacggc      480
tattatgaaa tacggtgatg cccaggcgag acggacgtgg ttgcccaagt tggctaccgg      540
cactgtgggc tcattctgtc tgtctgagcc tgcgtctgga tcggatgcat tcgctctgca      600
aaccaaggcc gagaagcttt ccgatggata taagttgaat ggttcgaaga tgtgggatac      660
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<210> 4614
 <211> 678
 <212> DNA
 <213> Aspergillus oryzae

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<400> 4614
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ggacgcagag gaagaatggc gtgacgtact ctccggtgga ctccaacagc gcacgcgat      180
ggcaaggctc ttctaccatc gacccaagtt tgccattctc gacgaatgca cttcatcggt      240
tactatggag atcgaacggg tcatgtacga gactgccaaag aggctaggca caacctgat      300
gaccgtatcc caccgcccga gcctctggaa atatcacaag aagattttgc agttcgacgg      360
ccaggagggc tacatcttca caggactaga ctgggaacgg agactgaaac tagaagatga      420
gaaagaagag cttgatcttc acctccgggc tggtccagaa ttgcaaaggc gcacggctga      480
actgagtgtc tcctaagcaa accttcatct ctttcatata cttttccatc ttgttccagg      540
accattccga atcacgcagt ccataccctc cccttcccca tttttccctt ctaccccttg      600
agacatgata tatgaagcat gctttttcaa tggtgagcat ttaagcgaat gttcaagtgt      660
acttttagtg gcaattgg              678
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<210> 4615
 <211> 578
 <212> DNA
 <213> Aspergillus oryzae

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<400> 4615
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tgaataacctg tactctgggt tccagcgctt tgctgagaag taccgagc atctgcagaa      120
cctccgtggg aagggccagg gaaccttcat tgccctggat accccaagc gtgacgagtt      180
cctcggcaag gccaaaggcg tcggtgtcaa cattgggtgga agcggagtca gcgccgttcg      240
cctccggccc atgctgatct tccagcagca ccatgctgat atcctcctgg agagcattga      300
gaagattatc aagcagctgt aaggaaacttg ggttgcattg ttatcatttt ccattaaatt      360
tgcactctctt tctgtttccc tgaattggca gagtccggcg ttcattgttg gtttgggtgg      420
gtctctccgt gtctgattgg cacgctatct acgagttatg tcttttgaag ctgttagcac      480
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<210> 4616

<211> 716
 <212> DNA
 <213> Aspergillus oryzae

<400> 4616
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 acgtggcaaaa ggtggtaagg gcctcggaaa ggggtggcgc aagcgtcacc gcaagatctt 180
 gcgtgacaac atccagggtg tcaccaagcc cgccatccgt cgtctcgtc gccgtgggtg 240
 tgtcaagcgt atctccgcca tgatctacga ggagactcgt ggtgttctca agtccttcct 300
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 ctgcgtggac gtggtctacg ccctcaagcg ccagggccgt accctctacg gtttcgggtg 420
 ctaaatgcct cgccctcgat tccctcttgt ttcgttctc gtccgacgta caatagcggc 480
 tgtcgtcaca cgaccgattc tcgctggctc gaatggaccg aggtgctgag cgcttacggg 540
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 cggggttttg ggacggacgg ttttggtttt ttatccagaa ggatgggtatt tgtcgggctt 660
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<210> 4617
 <211> 438
 <212> DNA
 <213> Aspergillus oryzae

<400> 4617
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 gtgtttacga gattcacgcy cgcatgtctc tggagaaagg agatcttggg gagtataatc 180
 agtgtcagac tcagctgcgc gcgctgtacg cacagcaact tggggggccac cctacggaat 240
 tcaaggcgta ccgtattctg tatttcattc acaccgcga ttggacggcc atgaacgatg 300
 ccctggccga tctaacagca gcagacaagc gagaccctgc tgtcaaactat gccttaaatg 360
 gtcgctcagc tcttgcgctt ggaaactacc caccgtttct ttcaacttta ccttggacac 420
 cccgaatat ggaacact 438

<210> 4618
 <211> 674
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = A,T,C or G

<400> 4618
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 aatcaacacc agcaaaggcg aacagcccat cgaccctac aaggccaaaa gcctcgaaga 120
 cccgcccctg gcccaaaagg tcgaagacct ggttgacttc atttccgagg ccaaattcgg 180
 catgctaaca accaagatcg ctggctcgga atacttaacc tcgagatgca tggcggtggc 240
 tgggaaggaa cagggcggca tcgaccttct cttccacatc aacctcttct ccagcaaaac 300
 cctagatatc aacacgaacc ccagcgaagt aaacatgtcc ttcctagacc cagttagcgg 360
 atcctgggcy tctatttcgg gaacggcatc gatcggtgcc gacaaggctc tcattgagaa 420
 gtattattcg ccgacgttgc cggcttgggt gggatgctt ggtgatgggg ttcattgatg 480
 cagtcctgcy gatccgagga ttgggggtgat caagttggag gcgaagttgg cgacgtatgc 540
 ggtggccacg aggggtatct ttgggaaggc gattgagacg atcaagagtg ctactaaggg 600
 ggatgtgccg gctattaata gtatcccga gttgagtga cangagttgg ctgagtggcc 660
 ccgacgcac aaat 674

<210> 4619
 <211> 702
 <212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(702)

<223> n = A,T,C or G

<400> 4619

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acaatgggtg	caagttgggt	gaccccatgg	gtgaaatgct	tgaggctgaa	tgggaaacct	300
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acaccctgng	aacgcagtat	gagtacggtg	aaccacaga	gcaaggatac	tatgagaagc	600
tcgcaaagc	tttcaaggga	gttatgcggg	gccctcaagt	taaagggtc	tttgaccgtt	660
aattgcgcaa	atggtgttgg	cggacctaa	ctgaaagaac	tt		702

<210> 4620

<211> 1053

<212> DNA

<213> *Aspergillus oryzae*

<400> 4620

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tcgataccct	caagacgaag	ccgctgccc	tgcccaccac	gaccccgaca	tcggttgccc	180
ccgtgcccac	cgctcgtcc	ggccatgac	tcattttcca	ggagttgtcc	aagaccagcc	240
aacggacact	atgggtggct	gtcgtgctaa	tggtatatac	cgccatcgct	ttctacatcc	300
tcgcctcccc	agcacctttg	accaagcgag	tcattccaaa	cctgattgcc	atctccacaa	360
caatctcctt	catcacctat	ctcgactcg	caaccggcga	aggtataaca	tacaagcacg	420
acatcctgac	gatccacaac	aagcacgtcc	ccaacactca	tcgtgatata	taccgtcagg	480
tcctctggct	gcggtacctc	aactggttcc	tgacaaaccc	cctggccctc	atcaatcttg	540
ccctcttgct	cggcctcccc	ggtgcccac	tccttgctgc	catcgtcgcc	gattggatca	600
tgctcggcac	cggcatcttg	ggcacctatg	ccggccatac	cccccgaga	tgggtctggt	660
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cgtttttgat	taaggctttg	ttccctgtag	ccatcgcgcc	cggcgctcta	gccctcaaaa	840
tcggcatoga	cgccgagacc	atcattttcg	ctatccatga	tatcttcctg	cagggtataa	900
tcggctactg	gcttattttc	gcacatgatg	cggcacctgg	aattaccctt	ctggttgacg	960
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<210> 4621

<211> 680

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(680)

<223> n = A,T,C or G

<400> 4621

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aaccctctcc	tcgacatcca	agttgttggt	gatgctgctc	ttcttcagaa	gtatggctgt	180

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gatgcccagc	ctaccggcaa	gtgcggcggt	atcatcactg	gccacaaccg	tagcatgtgc	480
acccaccttg	ctgcggctaa	cgagtacaag	ttggagcacc	ttaagcagcc	tcagatcttg	540
tctcttggtg	agaaagctca	ngtgtactat	gtcngtggct	accaccttac	cgtgtgtgtg	600
cccgcstatcc	angctctttg	tgaagaagct	gcttgcaaga	acaagatctt	tatgctctct	660
cttttcngcc	cctttttatcn					680

<210> 4622

<211> 764

<212> DNA

<213> *Aspergillus oryzae*

<400> 4622

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gcgggtcagg	cagaagccgg	agaggcagag	gacgactcgg	atgatgacgc	tgatgaagga	180
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caggagtatc	gtcagggtgc	tgagggtcac	cgtcagggtcc	gtcagtatgc	gcagaagact	480
atcaagccgg	gccagacctt	gacggagatt	gctgaggggc	tcgaggaatc	agtgcgtgct	540
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gtgctgcagc	aaggagacgt	gatgaaagtc	gacttcgggg	cgcacatcaa	cggccgcac	720
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<210> 4623

<211> 656

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(656)

<223> n = A,T,C or G

<400> 4623

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tcgtggaagt	ataaagatca	cattatgcag	ccgttggcag	cagggttgca	agatcagaac	180
gcagccaacc	gtcaagcagc	cgcatacggg	gtgggtgttg	ccgcgcagaa	gggtggcgct	240
gcctggggcg	atttcggttg	ggccagccta	cccagtttgt	tccaggtaac	acagtttaac	300
cagtcccga	cggaagaaca	tgtgtttgcc	accgaaaacg	catccgccag	tattgcgaag	360
atcctgcatt	acaatgcagg	caagggtgcag	aaccacacaag	aggtcgtggc	caactggatc	420
accaccctgc	ccatcacatt	cgatgaggag	gccgtccat	atgcctactc	attcctggct	480
caactcattg	accagcaaaa	ccccactgtc	ttgtccaacg	tcgacaaggt	gttcggatac	540
attgtccaag	ctctcgaggc	agagacattg	caaggacaga	ctggncgccc	gggtggccaa	600
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<210> 4624

<211> 698

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(698)
 <223> n = A,T,C or G

<400> 4624
 tcgcgcgcgtc cgcttccaac tcgctccgcg ggcccttcaac cagtctgcgc tcgcccgcct 60
 tctctccacc ttggccgctc ttgagcagcg tgatggcaag ctccaggcct catcgctctc 120
 cgcgattgcg gctgcacaga agctaggagg tcccgctact gccttcgtgg ctggaaacgg 180
 cgtaaggga acctcggctg cggaggcagc taagattaag ggccctggata aggtagtggc 240
 cgtggacagc gaggcttatg agaagggtct ccccgagaac tacgcccctc tcctcgttga 300
 gaacatcaag aaaggcgaat acaccacat cattggcggc cactccgctt tcggaaagag 360
 tcttctgcct cgcgtggcag ctttgctgga tgttcagcag gtttccgata tcaactggaat 420
 tgagagcgag gatactttcg tccgcccatt ctacgcagga aacgccattc ttactgttca 480
 gtcgagcgac cccattaagg tcctcaccgt tagaggcact gctttccaag gtgttgagac 540
 cgaaggcggc tccgcagaag tcgttgaggg agttgacccc aagtcacccg cccagaccga 600
 gtgggtttct gaggaactcg ccaagtctga gcgccccgac ctgggtactg catccccgtg 660
 tgtgtccggg tgccgtggct tgaagtcnaa ggaggagt 698

<210> 4625
 <211> 699
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(699)
 <223> n = A,T,C or G

<400> 4625
 ccgattctcg agacgtgaag gccacggagg aggagaataa gaagaaggat acgatggacg 60
 actgggatga agagaagctg cgcaatgtcg tcctcagcaa gcacggaaac ccgaagacga 120
 cgaccgataa ggtctgcaag ttcttcattg aggcggtcga gaaccagaag tacggttggg 180
 tctgggtctg tcccaatgga ggtgacgcct gcaagtataa gcacagtttg cccctcgat 240
 tcgtcctgaa gacgaaggag cagcgtgcg ctgagaaggc cctgatggac aagtctccac 300
 tcaacacctt gacactagag gactggctcg aaagtgaacg acacaagctc acgggcaacc 360
 tgacaccggt caccctcaa acattcgccg agtggaagaa gcagcgtctc gacaagaagc 420
 aagccgaaga acaagccgc aaggccaagg aagccactgg acgaacattg tttgagagcg 480
 gtaactggcg tgccgaggat gagagcancg acgaggagg tgacgacgac gatacctttc 540
 aacctgcttg cctccgcang gagacngaga ggatccgna acagaangaa gaaaagcgac 600
 ttgcgangct gcattgggca ccngtaccga tttcnaacga cgaaaccatt gcacangang 660
 gtganggctg ancgtggcga taccctccag aaactgcan 699

<210> 4626
 <211> 719
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4626
 cgacaaaact tctcaccga catcgaggac caccctcgctc ggcaaccaca tcaagatggt 60
 ccgttacgct gctcaggaca ttccggccgc taagagcgcc cgcgcccggg gctcttacct 120
 gcgcgtcagc ttcaagaaca cccgtgagac cgctcaggcc atcaacggca tgaagctcca 180
 gcggtctctt actttccttg acaacgtcac caacaagctc gaggctgtcc ccatgctggag 240
 gttecgctggc agcaccggcc gttgcgctca gggcaagcag ttcggtgtta gcaaggctcg 300
 ctggcccag agtccgcca agttcctcat cgacctcctg aagaacgctg aggccaacgc 360
 cgacaccaag ggtcttgaca ctggcaacct cgttgtcaag cacatccagg tcaaccaggc 420
 ccccaagggc cgcagacgca cctaccgtgc tcacggctcg atcaaccct acatgaccaa 480
 cccttgccac atcgagctta tccttactga gggtagagg gttgtccaga aggggtcccgt 540
 tgccaaggag gctcaccct cctcccgtca gcgtggcctc caggctccgc gtgccatcca 600
 ggcataagcg gttcatgggt gtcgggggat aggtagtccg aaaatgaatg ggaaagccgg 660
 agttttctgt tgtacggaac aaatacctt ttacggaagg aatacaaaaag aaaattttt 719

<210> 4627
 <211> 676
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4627
 taaaatccca ttcaaacaaa atgcataccc ccgactacgt cgagcccgct cagggcatct 60
 cttacttcac tcccgtcag aacccccccg ccggaacagc cgccaacccc cagaccaacg 120
 gccaaaaggt ccctaagctc ttccagccct tcaccgttcg cgggtgtcacc ttccagaacc 180
 gcctgggtct ggccccattg tgccaatact ccgccgaaga tggccacatg accgactggc 240
 acgtcgcgca tctgggcggt atcgcccagc ggggccaggg gctcatgatg atcgaagcca 300
 cggccgtaca accggaaggc cgaatcacgc ccaggacgt ggggtctctg aaagacagcc 360
 acatcgcgcc gatgaagcgc gtcacgaat tcgtgcacag ccagggccag aagatcgggtg 420
 tgcagatcgc tcacgcaggt cgcaaggcca gtaccattcc gccgtggatg tcgggcgctg 480
 tcgtcgctc cgagcaagcg ggcggatggc ccgagaatgt caagggccct agcgatatcc 540
 ccttcgtga ctcgttcccc aagcccaagg ccattgacgaa ggctgatatt gagggagtta 600
 agaacgcttg ggcggcggt tgaaagcggg ctattgctgc gggcgcggt tttattgaga 660
 ttaataaagc ccatgg 676

<210> 4628
 <211> 716
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4628
 ggaaacttcc agcagcacct tccccattg aaacctgtct tcggagtttc cttggaggat 60
 ttgtatttga gagatggaac tgctgttcct atgattgtct accaatgctt ccaagccatt 120
 gaactttttg gcttgatat ggaggcatt taccgacttt ctggaagtgc gaatcatatc 180
 aaccagatga aacaaatttt cgacaatgat tcgtcgcagg tggacttcac aaatccggaa 240
 aacttctatc atgacgtgaa cagtgttgct ggattactca agcagttctt tagagatttg 300
 cctgaccctc tgttcacgct gcagtcttat accgacttca tcaatgcagc ccgcattgac 360
 gatgatgttc agcgtcgaga ctcgcttcac gcgcttgtaa ataactctcc agatgcgcac 420
 tacgccacgt tgagagcctt ggttctgcat ctcaataagg tgcaagaaca ttacacccaa 480
 aaccgtatga acgcaggaaa cattgccatc tgtttcgggc ctactcttat gggcgccagt 540
 tccggcggca acgtcgccga cgctggttgg caagtccgtg ttatagagac gggtattttt 600
 gacactttcc aaatcttcga cgatgattaa tttacgcctc gagaacaaaa aggccatgat 660
 cacatttttg ccttgcatg caaagcaatt tctttttttc taacatatgg atatag 716

<210> 4629
 <211> 852
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(852)
 <223> n = A,T,C or G

<400> 4629
 cgaacggtgc ctttgttatc gcagctggag ccattcctcg tateggtgca tcattcctct 60
 ggggtggcca aggtgcatc atgacgacgt acgtcccaga atcgcagaaa ggccgcgcca 120
 ttgcagcctt ctggattatc ttcaatctgg gcggcgcat tggttccttg gccagtctcg 180
 gtatgaatta ccactcaacg agtggaaaccg tttcggacgg cacgtacatc gctttgctca 240
 ttatcatggc catcggtatg ctcatggggg ctctgatttg cccgccgaaa tcagtgcgag 300
 tgtcaactct gcaaaccacc cccgagaccg aaaagaattg gctccacgct gcgaagctca 360
 ccgtgaaaac ggtttgtgac tggagagtga tctccatact cccgctattc ttttgcgcta 420
 atgtattcta ctcgtatcag caaaacaccg tcaacggaat gacattcaac atccggtccc 480
 gctccttgaa cgggtgcctg tactggatcg cacagatgtt cggcggaact atcatgggct 540
 tcctgctgga tgtccctggt ctgaatcgct aatggcgggc tcgacttaac tgggctattc 600
 ctattcgtca cggggatggc gatctggggt ggaagatagc cgtttcaact ctggtacgat 660

cgctcgctgg	gctggagggcc	agaaagcaga	tgctgacttc	actggttagca	gcatcttcgt	720
tggggccatg	ttctctacat	tctctatggc	atgtacgatg	cttnctggca	gccgtcttgt	780
tactgggtga	aggccgctca	gccgacattt	tccgggtggc	ccgcatccnt	tggggggcgg	840
tcaaaaacct	tc					852

<210> 4630
 <211> 696
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4630						
gcacgatgta	tttaactccc	gtctctctca	gccccataga	aagtgtttct	tcttttcttt	60
tactttcttca	ccaattccgc	atcctccacc	ccatcaaaca	acacgtcatg	tccgtcacaa	120
cgcaagcaac	catcgccctc	tttggcggaa	agctcctcaa	gctcagccat	gccgccacct	180
ccacccgctg	cgaaatgtcc	ttcaacctct	acctgccgcc	ccaggccatc	cagaacctct	240
cgcagaaagt	ccccgtcctc	atctacctgt	ccggtctcac	ctgcaccgcc	aacaattgct	300
ccgagaaggg	cttcttccag	cacggcgcca	gcaagaaggg	tattgccgtg	ttgtaccctg	360
acaccagccc	gagaggcttg	aacatccagg	gtgaggacga	ctcctgggac	ttcgggtaccg	420
gtgccggatt	ctacgtcgat	gccaccaagg	acccctacaa	gggtggatac	aacatgtaca	480
cctatgtgac	ggaggagctg	cccaagaccg	tctttgccgc	gttccccag	ctagatgaga	540
gccgtgtcag	tatcaccggt	cacagcatgg	gtgggtcatg	tgctttgact	ctgttcctcc	600
gcaaccccg	caagtacaag	tccgtctccg	cctttgcacc	catctccaac	cccatcaact	660
gcccatgggg	ccagaaggcc	tttggcggt	actttg			696

<210> 4631
 <211> 532
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(532)
 <223> n = A,T,C or G

<400> 4631						
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atattggtga	gatgaatgct	aaatcactta	ggagaaagat	tggcattgtg	tctcaggagc	120
ccgtttcttt	ctcgccta	caaagaccct	gatatcttaa	ttcttgatga	agcgacttct	180
gctcttgacg	cagaatctga	gactttagtg	aacagtgtct	tggtgtcttt	gctccgcggg	240
aacaacacga	caatcagcat	tgcccatcga	ctctctacca	tcaagcggtc	cgatactatc	300
atcgctctcg	gccccgacgg	taaggttgcc	gaacaagggt	cgtaacgaaga	gctcagctct	360
cgctctgacg	gtgccttcac	gaagttgatg	gaatggcaaa	tgagcgggtg	cgatgtctct	420
cagcctccaa	agggacgctc	tatcagccnt	ttgacccaag	aaaaatgtgg	cagatgggaag	480
agagcaggag	ggtgcgctga	ggagcagcct	ctgacaagcg	agcagcgaag	aa	532

<210> 4632
 <211> 658
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4632						
gaaggacctc	tgacgtcaa	tctgcaattg	attggatttc	tttgttatat	atctttttcc	60
ctttccatta	accatgctgt	ctaccctcag	agtcgccagc	cgtaaggctg	cttcgcgtga	120
cgctaacttg	cgcaccgtcg	tcgttgggtg	cagacatgcc	tcggcctggg	ccaacgtccc	180
tcagggtcct	ccggatgcta	tcctgggtat	caccgaggct	ttcaaggccg	attctttcaa	240
ggagaagatc	aacctgggtg	ttggcgctta	ccgtgatgac	aagggcaagc	cgtaacgtct	300
gccctccgtt	cgcgcgcgag	aggacaaggt	tgctgcctcc	cgctttgaca	aggagtacgc	360
tggtatcacc	ggtgtccctt	ctttcaccaa	ggccgctgct	gagctggcct	atggcaagga	420
ctcccttgcc	atcaaggagg	accgcctcgt	catcaccag	tccatctctg	gtaccgggtg	480
cctgagaatc	ggcgggtgct	tcctgcagcg	cttctatccc	cacgcgaaga	agatctacct	540

ccctaaccct	atctgggcca	accacaacgc	tgtctttcaa	ggactctcgg	cttggaggtt	600
gagaagtacc	gttactacaa	caaggacacc	attgggtctt	actttcaagg	gtctgaat	658

<210> 4633

<211> 642

<212> DNA

<213> *Aspergillus oryzae*

<400> 4633

gtcatacttc	gagaaatacc	catgcccacc	gttcaagatc	attatccttg	atgaagcaga	60
tagcatgacc	caggatgctc	aatctgctct	tcgacgcaca	atggaaacct	acagcaagat	120
cacacgtttc	tgtcttggtt	gcaactacgt	cactcgaatt	attgaaccac	tggccagtcg	180
atgcagcaag	ttccggtttca	aaccgctgga	taactcggct	gcaggtgaca	gacttgcaca	240
aattgcgaaa	ttggagaacc	tggagttgga	ggatggtgtc	gttgacaaac	tgattcagtg	300
cagtgatggt	gacttgcgac	gcgcgatcac	atacatgcaa	agtggagcta	ggctagtagg	360
agccactggg	aacagcggta	gacaggatgg	aggggaagac	gctgaaatga	cagatgctag	420
ctcacaagtg	attactgtga	ggatggtaga	agagattgct	ggcgtgatcc	cagagagtgt	480
tctagaccag	tttgggtcaaa	ctatgcaacc	aaagaagatc	ggttcctcct	accatgccgt	540
ctcgaaggta	actactgata	tttgtgcgga	tgggtggagt	gcgacgcaat	tgcttgacaa	600
gctttaccgt	caagttgggt	acaatgacgc	ccatccctga	tt		642

<210> 4634

<211> 696

<212> DNA

<213> *Aspergillus oryzae*

<400> 4634

cggctacaaa	atgcttgcct	ctctgcttgg	accgctcgca	ttctttgcta	gtcgtgctgc	60
cgccacaata	ttgtatgctg	gtgtcgacga	gtctggaggc	gagtttggtg	tctatggagc	120
taaagggtcaa	ggcctccccg	gacgcttcaa	tgtcgactac	gcatttttga	acgcttcaac	180
tgtgccaaatt	tgggtgaagc	agaacgggat	caacgtcttc	cgcgctcgcat	tcctccttga	240
acgttttgtc	ccctcagagt	acggcctcgg	atcccgcttc	aacgagactt	acttctcgga	300
atacgcgact	gccattaacg	cgatcacctc	ggctggtgct	tacgcactca	ttgaccacaa	360
caactacatg	cgctacaacg	acccgtcttc	tcagcctggt	tcgggttcta	ttatcggcga	420
cacaacggat	cccgcggtcg	ccactactgc	ccagtttggt	aagttctggg	ctgcattggc	480
cgctcgattc	ctgttcaacg	agcgagttat	tttcggactg	atgaacgagc	cacacgatat	540
gtccacagct	cttattcttc	agaataacca	ggcagcggtg	aatggtattc	gtggtgtagg	600
tgcccaccag	ctgattcttg	cgccgtgaaa	tggttacacc	ggcggacata	cttggaccgt	660
gagcgcccg	gggcgacgag	ccctcaggcg	actact			696

<210> 4635

<211> 589

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 4635

gtcacctgga	tacatgccac	acgatctttt	tgacacgatg	atcggcgaaac	ctgaacaata	60
cctaaaccat	ccgacaatgt	ggatacactc	ctagattagc	cctctacagc	ggcatactga	120
aggaagtcat	ggaatacttt	tggctgggct	ctcacagaga	tcaagacatt	gcaacttgaa	180
acatgtgtcc	tccagctgcc	atctacgaac	ccactgtggc	cgctaccggc	cataaaaggt	240
aatgtcgggg	atgctgagac	cgcccccggt	gaggggagctg	ctcagaccaa	gctgttggac	300
cataccgggtg	gcaactgaga	cgagtgaag	gtcgccctta	tccgcgaaag	ccaggtctct	360
cgtgccatga	ccagacgtta	ctttgaggac	ctggacaagt	acgctgaaag	tgacgaagac	420
attgttggtg	ctggttctctg	cggtctgagc	actgcgtacg	tcttggtcaa	ggctcgtccg	480
gacctgaaga	ttgctatcgt	cgaggccac	gtcttttctt	gtggccgggc	ctggatgggt	540

ggccactctt ttgtggtatg gcatgcgccg cctgcgaaac gctacttan

589

<210> 4636

<211> 866

<212> DNA

<213> *Aspergillus oryzae*

<400> 4636

atgggatg	gatggatg	ccgatgaaga	tgatggtacg	gttctggatt	attccgcacc	60
tgctgatggc	gacgaagcag	ctgctccggc	cgtggaagct	gttgcacagg	attcctgggg	120
ccacagaact	gggaaaggac	agttcgttct	gaaagacttg	ggtgatgaag	tccattctat	180
cttgagaat	gcggacagt	aaaaagcgaa	gaacagggcc	accggaatcg	ttggctcagg	240
attcaatgct	atcggtggcc	ttttccgcaa	catcgtgggt	gggaaggtcc	tgaccgaatc	300
cgatttgag	aagccccga	aggccatgga	ggaccatctt	ctgaagaaaa	acgtggcgcg	360
tgaagcagca	gtccgcctat	gtgacggtgt	gcagcgggaa	cttgctcgaa	agaaaacagg	420
aaactttcaa	agtgtggatg	ctgcattg	ccaagccatg	gagtcgtctt	tgcggaagat	480
actcaccctt	acatcttcgc	tggatctgct	tcgtgagatt	gatacagtca	catctccac	540
aagtaaacag	cagtctcccc	gcccttatgt	catctccata	gttggagtta	acggcggttg	600
aaaatcgacc	aatttgggca	agatttgcta	cttcctgttg	caaaacaact	atcgtgtcct	660
gattgcagca	tgcgatactt	tccgctttgg	cgcggctcag	caacttcgtg	tgacgcccc	720
gaacttgga	agaactcaat	gcccgtgaaa	atgtggggca	gtttaactgt	attaataggg	780
atatggcaag	gatgcaacca	atgtggccaa	agatgctgtt	gaatcgagc	ttccacaagt	840
tctaccttgg	tttgatcgat	actg				866

<210> 4637

<211> 665

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(665)

<223> n = A,T,C or G

<400> 4637

gttccttgct	gctgaggtc	tccgtggtga	gggtggtctt	ctccttaact	ccgatggcca	60
gcggttctcg	gatgagctcg	gtcaccgtga	ttatgtctcg	ggccagatgt	ggaaggagaa	120
ggagaagggc	aagtggccca	ttcgctcgt	cctgaacagc	aaggcatcca	acgttttgga	180
cttccacacc	cgtcactact	ctggccgtgg	tctcatgaag	aagatctccg	gcaaggagtt	240
ggctaaggag	atcggtcg	gcgaggcg	tcttcagaag	accttccagg	aatacaatgc	300
cattgctgag	ggcaagcaga	aggatccttg	gggcaagcgt	ttcttccaca	acctgccctt	360
cgacatcaac	gacaccttcc	acgtggctct	gatggagcct	gtcctgcact	tcaccatggg	420
tggtatcgag	atcaacgagc	acgccgaggt	tctgaactcg	gagaagaacc	ttttgagggg	480
ctctatgctt	gtggtgagct	cgtgggtggt	gtccacgggt	gcaaacgtct	cgggtggttct	540
tctctcctgg	gatgtggtgt	ctacggtcgc	gttgctgggt	acagcgcaaa	gcagcaactc	600
ttccagaagc	tggtctctgg	cgggtgcttcc	agcgtgctc	agcgtctggg	caagatctct	660
ctgan						665

<210> 4638

<211> 535

<212> DNA

<213> *Aspergillus oryzae*

<400> 4638

ctgtgctctt	ttctcccatt	cctatcctcg	tacattacaa	ttcaaatgg	cttccaagac	60
ctggtttgat	ggccttaaga	ggtccttcgc	cgatgttccc	gttggcgag	acaactccat	120
ttctaccacc	gagttcctcg	aagcctccga	atccctcact	actttgttcg	atgtgctcgg	180
ctccgtggct	ttactccc	tcaagaacga	cctacttgga	aatgtcaaga	aactcagaga	240
ccggcagctg	gctgcccctg	ctgagctcga	gactgttcag	tctctttcag	tgaacgaact	300
gaagaccaag	aagcacaccg	cctctgaagg	tctactctgg	cttgttaggg	gccttgactt	360

cactgccc	aa	gccctccg	gcc	ccacgtcga	caagaccggt	gaggagcttg	ccagctcctt	420
ccgtgaag	cc	tacgggtg	tta	ccttcagcaa	gcaccacaat	ttcattgtga	aaaaggctt	480
cagtgtgg	cc	gtaggtgctg	gtcttaaa	aac	cagaattttt	acaagccctt	gcctt	535

<210> 4639

<211> 678

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 4639

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caccgaatct	gttgatagcg	tctacaatgg	cttttccgca	acaggtgact	acccacgctc	180
cgatgtacgc	gggtacctgg	aggatatcgc	atacgtgctt	gactctggca	tcaaagttgc	240
cctagtgtat	ggcgatcggg	attacgcatg	cccctggaac	ggaggagaag	aagtgagctt	300
gaaggtggag	tactcggatg	ccgccaagtt	ccgctctgcg	ggttacgccc	ctctgaagac	360
caatgcctca	tatgtaggtg	gcttggtgcg	acagtacgga	aacttctcgt	tactcgcgt	420
tttcgaagcg	ggcatagagg	tgccggcata	tcagcctgaa	acggcgatg	agatcttcca	480
ccgagcattg	ttcaacagag	acattgcgac	gggcaaggtc	tcaatcgcca	agaacaacac	540
ctactccact	cacgggccct	ctttaacttg	gaacgtcacc	aacacgggtt	ctgacaggcc	600
tgcaccact	tgctacattc	tcgagttggg	cagcacttgc	acgaaagagc	agaatgcgag	660
tgctcgtaac	ggaactgn					678

<210> 4640

<211> 649

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 4640

ccacaccgaa	ttcatcacta	catccgacta	tatacccttc	tactataacg	atacactttc	60
cccctcccc	cactaaaatg	tcgcattctc	actcccatga	tcaaggcatt	agccactccc	120
acgatgactt	cgggtggtcac	ggtcactcgc	atgagatcct	cgacggaccc	ggttcctatg	180
tgaaccgtga	aatgccattg	atcgagggcc	gcgactggag	agatcgcgcc	ttcaccatcg	240
gtatcggcgg	accggtcgga	tccggaaaaa	cagctcta	gctcgcat	tgccaagctc	300
tccgagacga	gtataacatc	gcagcagtga	ccaacgacat	tttcacccgc	gaagacgccg	360
aattcctcaa	ccgccacaaa	gccctcgcgt	ccaagcgcat	tcgcgccatc	gaaacgggtg	420
gctgcccgc	tgccgcctg	cgtgaggaca	tcagcgccaa	cctccttgcg	ctgcaatccc	480
tccacaagca	gttcagacg	gatctcctcc	taatcgagtc	tgggggtgat	aacttgcccg	540
ncaattactc	gcgccaacct	ggttgatttc	aatatctaag	gtatttgatg	gtcgccgtgg	600
ggaataaagg	gcccccgga	agggtggg	cggaaaatac	ggaaacgca		649

<210> 4641

<211> 680

<212> DNA

<213> *Aspergillus oryzae*

<400> 4641

tctaaacaat	aacctgatta	ccgcgcccga	gctctccgga	ctgcgaaaaa	ggttacggaa	60
cctggacacc	agagagggcc	agatgttctt	tgtggcttta	ttcaggtctt	ggtgtcacia	120
ttctgtctcc	acattttcac	tgtgtctgct	tgcaacagca	tatgagcaag	cctacaacct	180

tcttcaagtc	tttgccgagc	ttgaaatgac	tgtcaataat	ctgatccaaa	tcgataagct	240
ggtccagctg	ttggagtctc	ctgtcttcac	ctatctccga	cttcaactgc	ttgaaccaga	300
aagttatcca	tatctctaca	aatgcctcta	cgggtgtcctc	atgcttcttc	cacagagctc	360
tgcttccgcg	gctctaaaga	atcggtttaa	cagtggttagc	aacattggcc	ttctccatac	420
acctcgactt	tccacgatgg	tttcagcctc	cggctcaggc	gcctacgac	gctcgacagg	480
cagccgctcc	aaacgcgaag	agaactccat	ccgctgggtc	gaactacttg	aaaaattcaa	540
aaccgtacag	gaaagggccc	gccgagccct	acgtgcaaga	gagcgtccct	tcgacgatgg	600
cgtggccggc	ttccagggtc	aatcgtttagc	tgccgccttc	tctgctgcaa	accaagcgcg	660
gaacaaggaa	cgggcaactt					680

<210> 4642

<211> 695

<212> DNA

<213> *Aspergillus oryzae*

<400> 4642

ggatgaggaa	tcaactatcg	ttcaatgcct	attcccttgc	ttgctcaggg	gttccaggag	60
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gttgctgctg	tgaagtatta	tttcggtggt	gcccgaatg	gatcggagcg	gttgatgcac	180
tctaagggtt	tgatggtcac	gggtggaaca	tcaggaatag	gagccagcgt	cgtccacgaa	240
cttgccctctc	gcggtgcccc	ggtcacccctc	ctcacaaagc	atgccccctc	ggacgtcttc	300
ctgggttgatt	atatcgagga	tatccgaaaag	tcaacgaaaa	accaactcat	ctacgccgag	360
caggtagatc	tgtcctcgct	gcactcaatc	cgcacattcg	caacaaaatg	gatcgataac	420
gtccccccgc	gccgactaga	catggtcac	ctgtgtggaa	acacagccgc	accttcaccc	480
gccagccgaa	agctgaccgc	agacgggctc	gacgaagaat	ggcaagtga	ttatctcgcc	540
aactttcacc	tcttgagtat	cctcagtcgg	gcgctaaggg	ccccccccc	tatcgtgatg	600
tgcggttttt	tttcaccacc	tgttcgatct	acattggagc	caaaattgcc	ccttagccaa	660
atcgagggag	tttgacacc	tcacccccca	ccgct			695

<210> 4643

<211> 640

<212> DNA

<213> *Aspergillus oryzae*

<400> 4643

caagggatac	caggttctgt	ttctagatca	acgtggcact	ggcctcagct	ccacgatcag	60
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ccgagccgat	aacattgtca	gagattgtga	agccgttcgc	cgttgccctta	ccgtggacta	180
tcccgaagat	aaacgtaaat	ggagtattat	cggccagagt	ttcgggtggtt	tctgcgctgt	240
gacgtatctt	tctatattcc	cagagggggt	agcggaaagc	tttattttgcg	gcggattgcc	300
tcctcttgtc	aatgatcctg	acccagtcct	tgcacggaca	taccaaagc	tggaggagcg	360
aaacaagggc	tattactcca	agttccctga	agatgttgag	agagtcaaga	gaatcatgca	420
ctatctcgag	gagaacgatg	tttttggtcc	gtccgggaga	ctgacacccg	cgagattcca	480
gcaattgggt	ctgatatttg	gcatgcaccg	tggccttgat	agtattcacg	aacttgggtc	540
gcgcgcctgg	aaagaactcg	agaacttggg	cgttctgact	aataactaagc	gcacttcaat	600
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<210> 4644

<211> 566

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(566)

<223> n = A,T,C or G

<400> 4644

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atcatcaata	atcctgactt	tagccgatac	gcagccaagc	caaacgatgc	ggatatggcca	180
caactgatca	cgattccggt	aggctttgct	gtaacctcgt	ttatcggaat	catggttact	240
tcatcctcgt	cggtgatctt	cggccaaagc	gtctggaacc	ctctcactct	gctaggaatg	300
ttcttggagg	atgccagttc	ggcggaacgg	ttcggcgtgt	tcgttattgc	cgctggcttt	360
gcattggctc	agctgggaac	aaatattgca	gccaactccg	tatccgctgg	aaccaatctc	420
tcggccttac	tccctaggtt	ttgcaccatc	cgccgaggag	cctatgtgtg	tgcagctatt	480
ggcctcgca	tgtgcccgtg	gaacctcgga	accttcttca	caaaatcacc	gagtacctgg	540
catccattaa	ggtttctttt	ctcaag				566

<210> 4645

<211> 693

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(693)

<223> n = A,T,C or G

<400> 4645

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actcgctgga	ggaggtcatc	cagctcgcta	ttgcaaagaa	attccaggtc	ttctgcctga	120
ccgagcatat	gccgcggggc	aaagaggatt	tctatcccga	agagatcgaa	gcaggcaaca	180
ctgagacgag	cctggttgcc	aacgaagccg	catactttca	agaagcgcaa	cggtgcgcg	240
agaagtatgc	agaccaaadc	aagatcctga	ttgggttcga	aatcgactgg	atccgtccgg	300
aatcccgcac	gctcatcgag	gcgtctctgg	cgcgtcacc	cttcgagttc	ttcatgggct	360
ccgtccacca	cacgctgacg	atccccatcg	actacgaccg	ggagatgtac	gtacaggcgc	420
gggatctggc	cggcggcacg	gacgagcagc	tcttccaagt	gtactttgac	gagcagttacc	480
aaatgctgca	acagttgaag	cccgtctgctg	tgggtcattt	cgatctgate	ccggtgaaga	540
gtgacgaccc	cgagccgagc	tttaccagct	ggcctgccgt	ttgggagcgt	atcctgccga	600
atcttgactc	cntcgctca	taccgcgga	tgcttgagtt	taactccggt	gcgtccccga	660
aaggcatgaa	ccaaccgtat	tctaaagcgg	gan			693

<210> 4646

<211> 670

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 4646

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tgtactcact	ttgaattatc	acctaaccct	tggtcgatat	tgagatactc	cttacaagat	120
gatgtctttc	atgggtcacc	aacctcagag	ccaggccgtc	ggctacacct	tctctcaacc	180
aacaaacgcc	ccgaacaaag	aacactcatt	ttaccctgac	actgacaacg	gtggctccac	240
tttgggtatc	acaggtgctg	acttcgctat	ccttgctgga	gacactcggg	cggtggcagg	300
gtataacatc	aactctcgct	atgctcctaa	ggtttttaaa	attggcgggtg	atgatgatac	360
tggcgagggt	gccccatatta	ttctgtcggt	cgtgggcttc	gctgcggatg	gtcaagcact	420
caaagaaaga	ttagacgcag	tgggtgaagat	gtacaagtat	caacacggga	agcccatgtc	480
tgtcagagca	tgcgctcagc	gattgtcgac	tattctctac	cagaagcgtt	tcttccccta	540
ttatgtgcc	tgctatctgg	ccnggttgga	tgaagagggc	aaagagcgtt	gtacagctac	600
gatccggtag	gctcatacga	aagagagcag	tgcaaagcgg	ccgggatctg	ccgcagtttg	660
atcatgccgt						670

<210> 4647

<211> 768

<212> DNA

<213> Aspergillus oryzae

<400> 4647

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tctctccagg	ctttcaagaa	gaggaacgac	gatgcccgtc	gcaagggttc	gcttctgtcc	180
gaacagcccc	agaccatcga	cttcgcccac	taccgcaagg	tcctgaagaa	ccaggccatt	240
gtcgacgaga	tcgagaacca	gttcaagacc	ttcaagcccc	ccacctacga	tgtttcccgt	300
cagctgaagg	ctatcgaggc	tttcgaggcc	caggctgttc	agagcgctga	ggagaccaag	360
ggcaagggtg	aggccgagct	ccgcagcctt	gagaagaccc	tcgagaacat	cgagaccgcc	420
cggccattcg	atgagctcac	tgtggatgag	gttgcctctg	cccagcccga	gattgatgag	480
aagaccgcct	ctatggtcag	caagggccgc	tggatgccgg	ctggttacaa	ggagcgcttc	540
ggcgatatgt	ctggtgtcta	aactatcagc	attatctgtc	attttacgcc	tcttttctcc	600
ttcgaccagt	atcatcacac	gatgggattt	tcttttgtca	agcatgttta	ccagctagga	660
taccttttgc	gcctggcagt	gtgaacttgg	ttgtgggacg	tgtatagaaa	caatgtgcaa	720
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<210> 4648

<211> 664

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(664)

<223> n = A,T,C or G

<400> 4648

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cctctcaact	gcagtcgctc	ttctcattaa	gcgcaatctc	tacacacaat	aatcacaatg	180
gcttctccca	ccgtcaagct	gaacagcgga	catgacatgc	ccctcgtggg	ttttggcctc	240
tgggaaggtaa	acaacgagac	atgcgcggac	caggtttacg	aggccatcaa	ggcaggatat	300
cgtctctttg	acggcgcatg	cgactacggc	aacgaagtgc	aatgcggcca	gggtgtcgcc	360
cgcgccatca	aggagggcat	cgtcaagcgc	gaggaactct	tcattgtttc	caagctgtgg	420
aatagtttcc	acgagggcga	ccgcgtcgag	cccatctgcc	gcaagcagct	ggctgactgg	480
ggcgctcgatt	acttcgacct	gtacatcgctg	cacttccccg	ttgcgctgaa	gtacgtcgac	540
cccgtgtgcc	gctaccccc	gggatggaac	tcggagagcg	gcaagatcga	attcagcaac	600
gccaccatcc	aggagacctg	nacngcgatg	gagtcgctgg	tggacaagaa	gctcgctcgc	660
acat						664

<210> 4649

<211> 644

<212> DNA

<213> Aspergillus oryzae

<400> 4649

ggtgatgtca	tccattctgt	cctctctttt	gtcgaggaga	atattcgtaa	tgaagactgg	60
cgtcgcagag	acgtgcagct	tgcggcattc	ggtgccatca	tggatggacc	ggatcctaag	120
gttcttgaac	ccctgggtcaa	gcaggcctta	ggtgttcttg	ttggtatgat	ggaagatagt	180
tccattcaag	ttcgtgattc	ggcagcctat	gcccttggtc	gcgtgtgcga	cttctgctct	240
gagaccctgg	accctgacgt	gcattctacaa	ccccttattt	cttgctgtgt	caacgggctt	300
gctagcacc	ctaagattgc	cagctcctgc	tgctgggctc	tgatgaacgt	tgccgatcga	360
tttgccggtg	acgttggtgc	gcagactaac	cccctatcaa	agcactttga	agagaggggt	420
aagtcgcttc	ttactcttac	tgagaagcca	gatgcagaca	accaacttcg	gactgtctga	480
tatgaagttc	ttaattcctt	cggtagccaa	tgccggcgaaa	cgacagtctg	gctatgggtg	540
gctagccctc	ttcgacgggt	gggatttaac	gcctggagca	caccatcccc	atgcaacagc	600
aagtcgttaa	tgtggaagat	cggatcaccc	tggaagaagg	tgcc		644

<210> 4650

<211> 596
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

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<400> 4650
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gtcgcgacag cagacctttg aggaaatcta cggctctccg gagaatttcc tcgagattga    180
ggtccgaaac ccccagaccc acggcacatc ccggaacatg tacacctcgt acgaaatcgt    240
ctgtcgcacc aacatccccg cattcaagct caagcactcc gtcgtgcgcc gccgctactc    300
cgactttgaa tactttccgcg atatcctgga gcgcgagagc acgaggggtga ctatcccgcc    360
gctgcccggg aaggtgttta cgaatcgggt cagtgacgat gtcacgagc accgcaggga    420
ggggttgacg cgtttcttgc aaattgttgc cggtcacccg cttttgcaaa caggagtaga    480
ggttttggcg agctttatac aggatccgaa ctgtgaaccg catgctnggt anaagttggt    540
tggtttgggg ggtggatcgt cattgacatg aagggttgc ttcagctgtg ctgttt      596
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<210> 4651
 <211> 293
 <212> DNA
 <213> Aspergillus oryzae

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<400> 4651
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tgctgtatatt gaaccggct gccgtcatgt cgggtcgcgt atcaagggca aggaccagga    180
gaaccctagt gctatgattc tctccgggtc tatgtctctg cgccacctcg gcttggatga    240
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<210> 4652
 <211> 683
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

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aaaggagttt acgtgcgagt ataagtacga cggggagaga gcacagattc actacgttgc    180
accagacgca accacaact atccggaagc acaacacacg ttacagaagg atggcaaagg    240
cctcgctgcg attttttctc gtaactcaga agacctgtcg aagaaatacc ctgatgtgct    300
ggctaagctc gacagttgga tcaaggatgg tgtaagagc tttgtcttgg actgcgagac    360
tgttgcttgg gatacgggtg acaagaaggt tctgcccttc cagcagctga tgactcgcaa    420
acgcaaagac gtcaaggctg aagacgtcaa gggttaaagt tgtgtattcg cctttgacct    480
cttattcctg aacggagagc ctactgtcaa gaaatcactt cgcgaaacgc gagaactttt    540
acatgaatca tnccagggtta cgggaaggcg gtttcagttc gctcagttcg gtaacaccaa    600
cgtactggat gagattcagg agttgctgga cgacagtgtc aaggcatcgt gcgaaggctc    660
aatggttaag atgttggaca cgn      683
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<210> 4653
 <211> 684
 <212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(684)

<223> n = A,T,C or G

<400> 4653

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gccatctacc	ccaacgaacg	cgatgtgttc	taccgcgagg	aggccgacca	ttgttactcg	180
gctgagacat	tcatactgca	gtacaccacg	ctggaggtgc	ccttcgagat	actgtcgtcc	240
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ttctgcacgc	tcttctcgca	cgttgggttc	gccgtcaacg	tgacgtcaat	cttgctctcc	420
atcgcgaaaca	tcttangcgg	tgttatgagc	ttgaacgtca	acgaggttct	ccaagggcct	480
aaccacctct	cgcccgtcaa	atatgccgtc	gccaacctgg	cgccctatgc	tatgcgggac	540
caggagtctg	tgtgtacggc	agcgcagcga	ttggcggtatg	gaagctgtcc	aatccagaac	600
ggacagcagg	tgctccgact	ctacacctcg	acaagaacgg	ggcgatcaat	gtaatggcnc	660
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<210> 4654

<211> 694

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 4654

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gagaagttcg	aacgcttcta	taacgagcaa	gggtttattc	ccgaggaaga	aagggaggta	180
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aagtatgagg	gcaacttcgt	cgagccaccg	cgcttggtgt	cctggtaccc	tgaccagctc	360
gcgtgggtcga	tgacgacccc	gaagcaggtc	gttcgacgct	ttgctccgtt	cgccaatttc	420
cagaagttcc	tcgtcgccga	gacagctgtc	ggaagtatca	gccggcagga	ggttgctcagc	480
atgattcctc	cgctcttgc	tgatgtgaaa	cctggcatga	ctgtgttgga	catgtgcgct	540
gccccgggta	gcaaactctgc	acagcttatg	gagatgatcc	acgctggaga	ggaagagtcg	600
atgtcccang	ctttccaaca	agtgaaggag	ggaaccgctt	gtccccaagc	tttgggacct	660
gagggctctta	acaacnatgg	tagaaccacc	ggct			694

<210> 4655

<211> 663

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(663)

<223> n = A,T,C or G

<400> 4655

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cgtggagagg	ctcgatcggc	cgagcgcta	ctacctggga	aagaacaaga	agcgcaagta	180
cagccaagat	gacgcggaca	aggttgca	agatccaacc	gacaacttaa	aaaatgctac	240

cactctttat	gtcggtaatc	tttctttcta	cacaacagag	gaacagattc	atgaactttt	300
ctcaaaatgt	ggagaagtta	aacgggttgt	gatgggactc	gaccgattta	cgaagacacc	360
ctgtggcttc	tgcttcgctg	agtattacac	acatcaagat	gcgttggatt	gcttganata	420
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agagtacgaa	cccggacgtg	gcggttatgg	acgggctatt	canatgatca	nagacaacgg	600
ggagaaaaan	aattaccgta	ngggttaggt	attaatgatt	gggaccttgt	gtgaatgggc	660
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<210> 4656

<211> 677

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(677)

<223> n = A,T,C or G

<400> 4656

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accggcaagg	actttgtcct	ggtggcagcg	tccaaagccg	ccatgagggg	cccaactatt	180
cttaaagccg	aagacgataa	gacacggcag	ctcaacaaac	acagtctgat	ggctttctca	240
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acgatgcgga	atgataccga	acttggaccg	aacgccgttg	ccaactttgt	ccgngagaa	360
ctggcgcgca	gtctgcatc	tcggagtcca	tacacggcca	acctggtgct	cgctggtgct	420
gatgggatca	cccagaagcc	tcacctgtac	tggatagact	acctggcttc	tttgcaccag	480
taccatattc	cgctcatggn	tatgcccata	ctatnngctc	tcacactcga	taaacacacc	540
atnctgaaat	tncctcgaag	aaggctaaag	cttctnagat	tggccagacc	acttaagcgt	600
gattgccgat	gatacagggg	ggtttggtta	agtcngaaca	agatgggcga	gagaggtgac	660
ttgtaatggc	acaaacg					677

<210> 4657

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

<400> 4657

cttcgttgct	gacaagttcc	caattccagc	accaccaaca	ccgccgacat	gggtcactct	60
cacggtttga	gatccggcac	tcggtatgcc	ttcagccgta	acttcaagga	gcacggccag	120
atgcacctgt	cgacctacct	gaagacctac	cgggttgccg	acatcgtgga	catcaaggct	180
aacggtgccg	ttcagaaggg	tatgccctac	aaggctctaca	acggtaagac	tggtgttgct	240
tacaacgtca	ccaagtcctc	cgtcggtgct	ctcctctaca	aggttgctccg	caaccgctac	300
ctcgagaagc	gcgtcaacat	ccgcacgcag	cacgtcaagc	actcccgcct	ccgtgaggac	360
ttcatcaagc	gtgtcaagga	gaacgccgag	agaagaagc	aggccaagga	gcagggtgct	420
cacctccacc	ttaagcgcca	gcccgtcggg	ccccgtgagg	ctcacgtcgt	ccaggccgcc	480
gctcccgaga	ccatcactcc	tatcccctac	gacaccacaa	tctaaacgaa	tagaatggct	540
aggctcgatg	gggtgtttgg	tggtttctggg	ttttgccatc	taagggtgga	ttttgcattg	600
agacgaagcg	aaaaagggtta	ctcggtatga	ctagcacaa	tcagcctgtg	catagattcc	660
cctgaatgaa	acanaacana	aaatttctg				688

<210> 4658

<211> 723

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 4658

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accccccaata	tccccgaagc	gaagctgcta	ctgaaagacg	ccggctctaga	tgtaccggag	120
ccagagggtc	tcccgacgt	tcttcagtta	gtcaagcaag	tcaaagccct	aggccccaaa	180
gctgttcttc	ttaaaggcgg	gcatttacct	ctcaccaagg	atcacaaaac	ggcgcggaac	240
caggacgagg	ctaccacagt	tatagacgtg	ctttacgatg	gacaagatat	cacacttttc	300
gagacagact	tcttattatc	taggaacacc	cacggcaccg	gatgttctct	tgcgtcttcg	360
atcgagcca	atattgcctt	aggcaaagat	ttgaagcgag	cagtgcatag	tgctgttcgg	420
ttcgtcgagg	cgggaattaa	gaccagcttt	gatattggaa	aggggaagtgg	tccaatcaac	480
catttgcact	cgggtgtatac	actacctttt	gcgcctggtc	gtttcttaga	atatgccctg	540
gaccgacctg	atattcgacc	ggtatggcag	aagtttaccg	aacatgaatt	tgttttgggc	600
atgggcagtg	gcacactttc	cgtggagata	ttcaaggagt	acctagtgca	ggattacctc	660
tacctggtgg	accaatgcac	ccttcatttg	tccaatggac	tttgtctaac	aatgtgatat	720
tcn						723

<210> 4659

<211> 775

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(775)

<223> n = A,T,C or G

<400> 4659

tggtcgagaa	atgggggtcgt	cgtcctcttc	tcttggttcgg	tgctgtcggc	atgtgtgtct	60
ctcaactcat	cgttgccatt	gttggcaccg	ccaccacttc	cgacgtcgca	aacaagggtgc	120
tgatcgctt	cgtctgtgtc	tacatcttct	tcttcgcttg	ctcatgggg	tgcaccgct	180
gggtggtag	cggtagctc	ttccctctca	aggctcgtgc	caagtgtctc	tcaatcacga	240
ccgccacca	ctggctcctc	aactgggcca	tcgcatatgc	tacccttat	atggttaact	300
ccggcccg	caacgccaac	ctgcagtcca	agggtgtctt	catctgggg	ggattctgct	360
tcattgccg	tattttcgtc	tacacctgca	tctacgagac	caagggtctt	accttgagc	420
aggttgatga	gctttacgct	aagattcctg	tggcctggcg	ctcccatgaa	tttgttccat	480
ccgtcagcta	tgctgacgtt	cgtgacgttg	ccgccggcaa	agtgtctggc	aacctcgctg	540
atctagaggc	cgacgccag	atgaagcgtg	atatggagca	tggtgagaag	gcctagaagt	600
ataatccggc	gttggtcaat	tggagttttc	ctgtcttggt	taggtgttca	acttcttttt	660
tcgtttccat	agtccctata	ctgcctttgt	acctagcgag	tggctntttg	caactntatc	720
ttggtgatga	gagacgtggt	ataatgacca	tctcacgacc	aatattttct	attgt	775

<210> 4660

<211> 695

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(695)

<223> n = A,T,C or G

<400> 4660

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cgccactcct	tcaagctctg	cctgtcactc	ttaaagatct	agttgcagg	tgttcatcaa	120

tagtcacacc	tagctgtctc	cgcaagcttt	atggaatttc	tgattccaag	cccaagccag	180
accgtcgtaa	caggcttggt	gtatctgggt	ttctggacca	gtatgcacgc	tatagcgact	240
ttcatcagtt	cttgcgctc	tacgcaccga	atataacaga	caataactac	accgtggagc	300
tcatcaatgg	tggtctcaat	ttgcaagatt	ctttggagga	cagctccgag	gcaagcttgg	360
acatccagta	cgtctgtct	ctagctgata	ccccctttcac	gacattctat	agcaccgccc	420
ggcgtggccc	tgtcatacgt	gacctgnngc	ataatgaccc	aggtgaccct	cacgagccgt	480
acctggaaca	actccgttat	ctgttggatc	tcccaaata	caaactgcct	gctgttctaa	540
ctacatccta	cgggtgaatta	gacaaaacgt	gccataatat	atccaagacc	acatgaacat	600
gtttgctcaa	ctggggcgcg	cggagtcttg	tgatctttac	aacggcaaat	cgggcgttgg	660
ggactcgggc	ctactaaaga	cgggacctaa	tcgct			695

<210> 4661

<211> 639

<212> DNA

<213> *Aspergillus oryzae*

<400> 4661

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attccttcgc	aatcaccata	atgagcccaa	ttcagattcc	cgtcgatgcg	atcacctcgc	120
gcttcggtga	gcgctttaac	agcctccgat	cacaatccct	aggctctcgt	ttcgccaacc	180
tccggcccat	ttccgagttt	cttgacgtca	aacgggtctc	caagccggcc	aacttcggcg	240
aggttcagag	ccgtgtgaac	tacaacctgt	cttacttttc	tagcaactat	gccgcggtct	300
tcgcgatgct	cagcatctac	agcttgctga	cgaactttat	gttgcttttc	gtgatcatct	360
tggttactgg	tggcttgtag	gggatcggaa	agcttcaggg	ccgcgacctt	gatctgggat	420
ttgcccggtt	caacactttc	cagctttaca	ccggattgct	gattgtggcg	gtccctctcg	480
gcttcttggc	ttctcccatc	agcactgtac	tgtggctgat	tggggctact	ggcgtgtgtg	540
gctttgggca	cgcgcgtttt	ctgggaaaac	ccatccgaga	tgtttttttc	agaggaagcg	600
gtctaggggg	gcggccgcga	acttcttaac	ggtttggcg			639

<210> 4662

<211> 737

<212> DNA

<213> *Aspergillus oryzae*

<400> 4662

cccgatacct	tcgtctgggc	ctgaaacgtc	ttggctttat	agtgtacggc	cacgacgatt	60
ccccaattat	cccagtgtct	ctgttcaacc	ctgctaagat	gccagccttc	tcccatgaaa	120
tgctcaagcg	aaagatttct	gttgtcgttg	tcggttatcc	tgctacaccc	ttggtctcct	180
cccgtgtctg	tttctgcgtc	tctgccgcgc	atactaagga	agacctcgat	cgggtattga	240
ccgcttggtga	tgagattggc	aatgtcttac	aactcaaat	ctcgaactgg	gttgccggcg	300
gagccctccc	ctcgaatgag	gacgtgaccc	ctcctccaga	gatggagaag	gaatggcacc	360
ggaagcgaga	ccccgttgct	cccccgcggt	ggcgtatcga	ggacgttatc	aggcgcggtg	420
tccaggacgc	caaagggtccg	ttgtattagt	tcgtcatgat	tgcatctcgt	attgttacat	480
attcgtttaa	gggggttgcc	tacagactcg	gttgatgctg	gtcatgccgc	gtcgcaggct	540
gatcgaacca	ttactacttc	acgcttggtg	tgtatcatta	agcagccgcc	ccctgggtgt	600
ctctgcattc	ttaccacggt	tccccctcca	tatgcatggc	gtggaatggc	ccacaagcct	660
cagaaagtca	cggattcctg	accaacccat	ggatacgtg	tttgaaaaat	tgactaccgg	720
ccaacgaact	tcccaaa					737

<210> 4663

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (645)

<223> n = A,T,C or G

<400> 4663

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tgtaaccttc	tcaatgaaac	ctgtcctgca	gcgcgggttc	tgggtactaa	tcaactcttg	180
gtcttcaatg	agaccatgga	cgacaagatt	tggtcgggtta	cgaacggcca	agtggactgg	240
aaagataccg	gcgcggaatt	ctccatcaaa	aagaaattag	attcgccaac	gatgcagtcg	300
accttcttta	tcttcttcgg	tattgtcgag	tcccacgtca	agatggcgaa	gggcggcggt	360
atcgtcagca	gtgtgggtgt	tcaatcagcc	gatctagacg	agatcgactg	ggagtggatc	420
ggctacaata	cctctgaggt	ccaatctaac	tacttcggca	aaggcaacga	cacctcgttt	480
aaccgtggtg	gcttccacta	tgtggagaac	gctgatacag	aattccacaa	ctacaccacc	540
tactggactc	aggagaagct	cgagtgggtg	atcgacggca	atctgggtccg	cacgctgaag	600
cctgaagatg	ccctggatgg	caagaactat	ncacaaacac	ctagt		645

<210> 4664
 <211> 715
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(715)
 <223> n = A,T,C or G

<400> 4664						
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cggatttcga	agctgcaatg	aactgggtat	ttgctcatct	ggaagatccc	gatattgatg	120
aacccttgac	tatcagcgag	atcagggggg	gaggaaccga	cgccctacat	gacccagcaa	180
aagtggcaca	attggtcgaa	atgggcattg	acgagtcctg	tgccaaacga	gcattgggtg	240
ccacaggtgg	tgatgtcaat	agagctatcg	actgggtgtt	tagccaccca	gaagcagatg	300
ctgaaggcta	tggtcgtgaa	tcaaacaccc	attctgatgg	ttgccctaga	aacctcggtt	360
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tccacgctgg	acattatggt	gcctttgtcc	ggaagactct	gccaggtcag	aatgaaccat	480
gttgggtgat	gttcaatgat	gagaagggtg	tgaaggctgg	ggacatacat	gagatgaaga	540
aatacgcata	cttgtacttc	ttttcacggg	tctaggcatt	attttctaata	cctgagtgag	600
cacaccttgc	acgaggaact	cccaccaggg	attggtnatg	tacacctagt	aatgctcacc	660
aatagagaga	gagtcggggg	tcttactgcg	gtatggagca	ctgttagacg	ccgtt	715

<210> 4665
 <211> 649
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 4665						
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cgacgttgag	ttccccagcg	aggccgtgaa	gaaggagtgt	acgcagtata	tcagcaagag	120
gcttacgccc	cacccaccca	aggttcgcgc	cgatattgag	gttacttgct	tcggttatga	180
gggaatcgat	gcggttaagg	ctgctctgcg	tactgctgag	gaggccaaca	cccccgatag	240
ccagggtcaag	gtcaagctgg	ttgctcctcc	tctgtatgtc	ttgactagcc	agtgccttga	300
caaggctatt	tgtatcaagc	agcttgagga	ggctatttcag	aggatcgagg	ctaaaaatcaa	360
ggaggccgga	ggtggctgca	gcgtcaagat	ggcacccaag	gccgtcaccg	agcacgatga	420
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agcgccaatt	taggcctatg	aacccgattc	gaaagaagag	aatgtcagaa	naattccgat	600
gtgtagttga	acaacactga	atacgaaggc	tggttatgag	tactgggttg		649

<210> 4666